



**VILLAGE OF PALATINE**  
VILLAGE HALL - COUNCIL CHAMBERS  
200 E. WOOD STREET  
PALATINE, IL 60067-5339 – (847) 359-9050  
<http://www.palatine.il.us>

**VILLAGE COUNCIL & COMMITTEE OF THE WHOLE**

**AGENDA**

**JUNE 5, 2023**

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**Regular Meeting**

**7:00 PM**

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**I. ROLL CALL**

**II. PLEDGE TO THE FLAG**

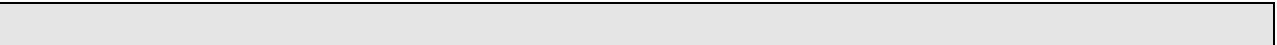
**III. APPROVAL OF MINUTES**

1. Village Council & Committee of the Whole - Regular Meeting - May 15, 2023

**IV. MAYOR'S REPORT**

1. Certificates of Recognition - Eagle Scouts
2. As Submitted

**V. RECESS TO THE COMMITTEE OF THE WHOLE**



**VI. COMMITTEE OF THE WHOLE**

**A. FIRE POLICY & COMMUNITY INFORMATION COMMITTEE**

*GREG SOLBERG, CHAIRMAN*

1. Consider an Amendment to the Jaycees 2023 Hometown Fest Approval Dates to Allow the Carnival Vendor, Windy City Amusements, to Open Their Food, Game and Ride Operations One Day Prior to the Official Opening of Hometown Fest, Thursday, June 29, from 5 PM - 9 PM (Council District: Six)
2. As Submitted

**B. POLICE POLICY & CODE SERVICES COMMITTEE**

*TIM MILLAR, CHAIRMAN*

1. Consider an Ordinance Granting a Special Use to Permit a Car Wash at 2239 N. Rand Road (Council District: Three)

2. Consider an Ordinance Granting a Special Use to Permit an Addition to Encroach into the Required Side Yard Setback at 225 W. Kenilworth Avenue (Council District: Two)
3. Consider an Ordinance Granting a Special Use and Variation to Permit an Addition to Encroach into the Required Front Yard Setback and to Exceed Maximum Lot Coverage at 849 W. Kenilworth Avenue (Council District: One)
4. Consider an Ordinance Amending Various Sections of the Village of Palatine Zoning Ordinance Related to Accessory Structures, Fences, and Above Ground Pools
5. As Submitted

**C. INFRASTRUCTURE & ENVIRONMENT COMMITTEE**

*DOUG MYSLINSKI, CHAIRMAN*

1. Consider a Motion to Award a Contract for the 2023 Water Main Replacement Contract 2 Project
2. Consider a Motion Authorizing the Village Manager to Execute a Proposal for Construction Engineering Services for the 2023 Water Main Replacement Contract 1, Contract 2, and Contract 3 Projects
3. As Submitted

**D. ADMINISTRATION, TECHNOLOGY & COMMUNITY HEALTH COMMITTEE**

*KOLLIN KOZLOWSKI, CHAIRMAN*

1. As Submitted

**E. BUSINESS FINANCE & BUDGET COMMITTEE**

*SCOTT LAMERAND, CHAIRMAN*

1. As Submitted

**F. COMMUNITY & ECONOMIC DEVELOPMENT COMMITTEE**

*BRAD HELMS, CHAIRMAN*

1. As Submitted

**VII. RECONVENE THE VILLAGE COUNCIL MEETING**





**VIII. CONSENT AGENDA**

All items are considered to be routine by the Village Council and will be enacted by one motion, with waiver of first reading. There will be no separate discussion of these items unless a Council Member so requests, in which event the item will be removed from the Consent Agenda and considered in its normal sequence on the agenda.

1. Consider a Motion to Approve 2023 Warrant #11
2. Consider an Amendment to the Jaycees 2023 Hometown Fest Approval Dates to Allow the Carnival Vendor, Windy City Amusements, to Open Their Food, Game and Ride Operations One Day Prior to the Official Opening of Hometown Fest, Thursday, June 29, from 5 PM - 9 PM (Council District: Six)
3. Consider an Ordinance Granting a Special Use to Permit a Car Wash at 2239 N. Rand Road (Council District: Three)
4. Consider an Ordinance Granting a Special Use to Permit an Addition to Encroach into the Required Side Yard Setback at 225 W. Kenilworth Avenue (Council District: Two)
5. Consider an Ordinance Granting a Special Use and Variation to Permit an Addition to Encroach into the Required Front Yard Setback and to Exceed Maximum Lot Coverage at 849 W. Kenilworth Avenue (Council District: One)
6. Consider an Ordinance Amending Various Sections of the Village of Palatine Zoning Ordinance Related to Accessory Structures, Fences, and Above Ground Pools
7. Consider a Motion to Award a Contract for the 2023 Water Main Replacement Contract 2 Project
8. Consider a Motion Authorizing the Village Manager to Execute a Proposal for Construction Engineering Services for the 2023 Water Main Replacement Contract 1, Contract 2, and Contract 3 Projects
9. Ordinance Amending Chapter 07 - Fire Prevention & Protection

**IX. REPORTS OF STANDING COMMITTEE****A. ADMINISTRATION, TECHNOLOGY & COMMUNITY HEALTH COMMITTEE**

*KOLLIN KOZLOWSKI, CHAIRMAN*

1. As Submitted

**B. BUSINESS FINANCE & BUDGET COMMITTEE**

*SCOTT LAMERAND, CHAIRMAN*

1. As Submitted

**C. COMMUNITY & ECONOMIC DEVELOPMENT COMMITTEE**

*BRAD HELMS, CHAIRMAN*

1. As Submitted

**D. FIRE POLICY & COMMUNITY INFORMATION COMMITTEE**

*GREG SOLBERG, CHAIRMAN*

1. As Submitted

**E. INFRASTRUCTURE & ENVIRONMENT COMMITTEE**

*DOUG MYSLINSKI, CHAIRMAN*

1. As Submitted

**F. POLICE POLICY & CODE SERVICES COMMITTEE**

*TIM MILLAR, CHAIRMAN*

1. As Submitted

**X. REPORTS OF THE VILLAGE OFFICERS**

**A. VILLAGE MANAGER**

1. As Submitted

**B. VILLAGE CLERK**

1. As Submitted

**C. VILLAGE ATTORNEY**

1. As Submitted

**XI. CLOSED SESSION AS REQUIRED**

**XII. RECOGNITION OF AUDIENCE**

**XIII. ADJOURNMENT**



**VILLAGE OF PALATINE**  
 VILLAGE HALL - COUNCIL CHAMBERS  
 200 E. WOOD STREET  
 PALATINE, IL 60067-5339 – (847) 359-9050  
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**VILLAGE COUNCIL & COMMITTEE OF THE WHOLE**

**MINUTES**

**MAY 15, 2023**

**Regular Meeting**

**7:00 PM**

**I. ROLL CALL – Time: 7:00 PM**

| Attendee Name    | Title                 | Status  | Arrived |
|------------------|-----------------------|---------|---------|
| Jim Schwantz     | Mayor                 | Present |         |
| Tim Millar       | District 1 Councilman | Present |         |
| Scott Lamerand   | District 2 Councilman | Present |         |
| Doug Myslinski   | District 3 Councilman | Present |         |
| Greg Solberg     | District 4 Councilman | Present |         |
| Kollin Kozlowski | District 5 Councilman | Present |         |
| Brad Helms       | District 6 Councilman | Present |         |

Also Present:

Village Clerk Marg Duer, Village Manager Reid Ottesen, Village Attorney Nicholas Standiford, Director of Community Development Mike Jacobs, Director of Planning & Zoning Ben Vyverberg, Director of Public Works Matt Barry, Police Chief Dave Daigle, Fire Chief Patrick Gratianna, IT Director Larry Schroth, Director of Finance Paul Mehring and Director of Human Resources Pam Jackson

**II. PLEDGE TO THE FLAG**

Mayor Schwantz invited everyone to stand and join him in the Pledge to the Flag.

**III. APPROVAL OF MINUTES**

- Village Council & Committee of the Whole - Regular Meeting - May 8, 2023 - **Accepted**

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>RESULT:</b>   | <b>ACCEPTED [UNANIMOUS]</b>                            |
| <b>MOVER:</b>    | Doug Myslinski, District 3 Councilman                  |
| <b>SECONDER:</b> | Kollin Kozlowski, District 5 Councilman                |
| <b>AYES:</b>     | Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

**IV. MAYOR'S REPORT**

- As Submitted -

Mayor Schwantz announced upcoming events:

Minutes Acceptance: Minutes of May 15, 2023 7:00 PM (APPROVAL OF MINUTES)

**Wednesday, May 17: 7:00 PM**

"History of Palatine Fire Department"  
Palatine Public Library

**Friday, May 19: 5 AM - Noon**

"Cop on a Rooftop" to support Special Olympics  
Palatine Dunkin Donuts locations

**Saturday, May 20: 9 AM - 1 PM**

Kirk Market Place  
Kirk School

**Monday, May 29**

Memorial Day  
Village Offices are Closed

**V. RECESS TO THE COMMITTEE OF THE WHOLE – Time: 7:01 PM**

Recess to Committee of the Whole - **Motion Carried by Voice Vote**

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>RESULT:</b>   | <b>MOTION CARRIED BY VOICE VOTE [UNANIMOUS]</b>        |
| <b>MOVER:</b>    | Brad Helms, District 6 Councilman                      |
| <b>SECONDER:</b> | Scott Lamerand, District 2 Councilman                  |
| <b>AYES:</b>     | Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

**VI. COMMITTEE OF THE WHOLE****A. POLICE POLICY & CODE SERVICES COMMITTEE – Time: 7:01 PM**

*TIM MILLAR, CHAIRMAN*

1. Consider a Motion Granting Preliminary Planned Development Approval for a Single-Family Residential Development at 52 W. Colfax Street - **Approved by Voice Vote** (Council District: Six)

Planning & Zoning Director Ben Vyverberg presented the petitioner's request for a revised Preliminary Planned Development of 3 single-family homes fronting on Brockway Street with the following changes:

- 1) The rear load garages, accessed through a shared driveway off Colfax Street;
- 2) 10' setback from the northern property line (with a landscaped buffer), approximately 37.5' setback from the eastern property line (measured to the face of the rear load garage), 21' setback from the southern property line (increased from 17' to preserve the tree at the south end of the property), and 15' setback from the western (Brockway Street) property line (measured to the open front porch of each home); and

- 3) 5' setbacks (10' between homes) for the interior side yards (the increased setbacks on the north and south ends of the development were achieved through reducing the interior setbacks between the proposed homes).

Staff believes the revised plans, adhering to the R-3 multi-family zone requirements, similar to the property to the south and west, address many of the concerns raised by residents. Staff recommends approval of the revised proposal.

In response to Councilman Millar, Vyverberg stated there is an existing fence on the east side, with landscaping planned for screening per Condition 6, and Village Manager Reid Ottesen agreed an HOA is in Condition 9. Ottesen added homeowners will take garbage cans to the curb as homeowners to the south do.

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>APPROVED BY VOICE VOTE [UNANIMOUS]</b>                        |
| <b>MOVER:</b>    | Brad Helms, District 6 Councilman                                |
| <b>SECONDER:</b> | Greg Solberg, District 4 Councilman                              |
| <b>AYES:</b>     | Schwantz, Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

2. As Submitted -

Nothing was submitted.

**B. INFRASTRUCTURE & ENVIRONMENT COMMITTEE – Time: 7:13 PM**

*DOUG MYSLINSKI, CHAIRMAN*

1. Consider a Motion Approving a Water Service Agreement with White Oak Project Company, LC and Sabada IL LLC for Property at 21440 W. Lake Cook Road - **Approved by Voice Vote**

Village Manager Reid Ottesen reported the 2022 Deer Park Water Service Intergovernmental Agreement requires the end user to execute a Water Service Agreement with the Village of Palatine. A change of ownership of one of the office buildings already with a water allocation has necessitated the approval of a new water service agreement. The Village of Deer Park has allocated water to the property. Staff recommends approval.

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>APPROVED BY VOICE VOTE [UNANIMOUS]</b>                        |
| <b>MOVER:</b>    | Tim Millar, District 1 Councilman                                |
| <b>SECONDER:</b> | Jim Schwantz, Mayor                                              |
| <b>AYES:</b>     | Schwantz, Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

2. As Submitted -

Nothing was submitted.

**C. BUSINESS FINANCE & BUDGET COMMITTEE – Time: 7:14 PM***SCOTT LAMERAND, CHAIRMAN*

1. Consider an Ordinance Authorizing the Village Manager to Dispose of Excess Vehicles and Equipment - **Motion Carried by Voice Vote**

Village Manager Reid Ottesen recommended adopting an ordinance directing staff to determine the appropriate auction method to receive best returns on the following equipment:

two trailers, one road crack filler, one skid steer, one woodchipper, one sewer jetter, four pickup trucks, five SUVs, three heavy-duty dump trucks, and two one-ton dump trucks.

The disposal of these items does not rely on purchases planned for later in this budget year. Ottesen added the road crack filler will not be replaced due to bidding out those projects at a cost savings to the Village.

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>MOTION CARRIED BY VOICE VOTE [UNANIMOUS]</b>                  |
| <b>MOVER:</b>    | Jim Schwantz, Mayor                                              |
| <b>SECONDER:</b> | Brad Helms, District 6 Councilman                                |
| <b>AYES:</b>     | Schwantz, Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

2. As Submitted -

Nothing was submitted.

**D. ADMINISTRATION, TECHNOLOGY & COMMUNITY HEALTH COMMITTEE – Time: 7:16 PM***KOLLIN KOZLOWSKI, CHAIRMAN*

1. Ordinance Amending Chapter 04 - Ambulance & Mobile Intensive Care Units, Chapter 07 - Fire Prevention & Protection, and Chapter 17 - Taxes - **Approved**

Village Manager Reid Ottesen recommended approving an Ordinance Amending Chapters 4, 7, and 17:

- Chapter 4 has been deleted as Palatine no longer licenses private ambulances. Palatine's ambulances are licensed through the State of IL and EMS system.
- Chapter 7 has been updated to reflect updates to the International Fire Code, fireworks permitting process, best practices and general clean up.
- Chapter 17 has been updated to reflect Combining "Occupation & Service Occupation" as other municipalities in this area have; additions necessitated by the Municipal Cannabis Tax that had not been added to the Code previously; and other general clean-up to make language consistent between sections, which was also modeled on our municipal neighbors.

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>APPROVED [UNANIMOUS]</b>                                      |
| <b>MOVER:</b>    | Doug Myslinski, District 3 Councilman                            |
| <b>SECONDER:</b> | Greg Solberg, District 4 Councilman                              |
| <b>AYES:</b>     | Schwantz, Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

2. As Submitted -

Nothing was submitted.

**E. COMMUNITY & ECONOMIC DEVELOPMENT COMMITTEE – Time: 7:17 PM**

*BRAD HELMS, CHAIRMAN*

1. As Submitted -

Nothing was submitted.

**F. FIRE POLICY & COMMUNITY INFORMATION COMMITTEE – Time: 7:17 PM**

*GREG SOLBERG, CHAIRMAN*

1. As Submitted -

Nothing was submitted.

**VII. RECONVENE THE VILLAGE COUNCIL MEETING – Time: 7:17 PM**

Reconvene the Village Council Meeting - **Motion Carried by Voice Vote**

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>RESULT:</b>   | <b>MOTION CARRIED BY VOICE VOTE [UNANIMOUS]</b>        |
| <b>MOVER:</b>    | Brad Helms, District 6 Councilman                      |
| <b>SECONDER:</b> | Tim Millar, District 1 Councilman                      |
| <b>AYES:</b>     | Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

**VIII. CONSENT AGENDA**

All items are considered to be routine by the Village Council and will be enacted by one motion, with waiver of first reading. There will be no separate discussion of these items unless a Council Member so requests, in which event the item will be removed from the Consent Agenda and considered in its normal sequence on the agenda.

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>RESULT:</b>   | <b>ADOPTED BY ROLL CALL [UNANIMOUS]</b>                |
| <b>MOVER:</b>    | Scott Lamerand, District 2 Councilman                  |
| <b>SECONDER:</b> | Doug Myslinski, District 3 Councilman                  |
| <b>AYES:</b>     | Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

1. Consider a Motion Granting Preliminary Planned Development Approval for a Single-Family Residential Development at 52 W. Colfax Street - **Approved** (Council District: Six)
2. Consider a Motion Approving a Water Service Agreement with White Oak Project Company, LC and Sabada IL LLC for Property at 21440 W. Lake Cook Road - **Approved**
3. Consider an Ordinance Authorizing the Village Manager to Dispose of Excess Vehicles and Equipment - **Approved**  
  
Ordinance #O-62-23
4. Ordinance Amending Chapter 04 - Ambulance & Mobile Intensive Care Units, Chapter 07 - Fire Prevention & Protection, and Chapter 17 - Taxes - **Approved**  
  
Ordinance #O-63-23
5. Consider a Resolution Completing the Required One-Year Maintenance Period and Releasing the Security Deposit for Louise Lane Subdivision - **Adopted by Roll Call** (Council District: One)  
  
Resolution #R-16-23
6. Consider a Resolution Releasing the Security Deposits for the Pride of Palatine at 1400-1444 W. Algonquin Road - **Adopted by Roll Call** (Council District: Two)  
  
Resolution #R-17-23
7. Consider a Motion to Approve 2023 Warrant #10 - **Approved**

## IX. REPORTS OF STANDING COMMITTEE

- A. **ADMINISTRATION, TECHNOLOGY & COMMUNITY HEALTH COMMITTEE** – Time:  
7:18 PM

*KOLLIN KOZLOWSKI, CHAIRMAN*

1. As Submitted -

No Report



**B. BUSINESS FINANCE & BUDGET COMMITTEE – Time: 7:18 PM***SCOTT LAMERAND, CHAIRMAN*

1. As Submitted -

No Report

**C. COMMUNITY & ECONOMIC DEVELOPMENT COMMITTEE – Time: 7:18 PM***BRAD HELMS, CHAIRMAN*

1. As Submitted -

No Report

**D. FIRE POLICY & COMMUNITY INFORMATION COMMITTEE – Time: 7:18 PM***GREG SOLBERG, CHAIRMAN*

1. As Submitted -

No Report

**E. INFRASTRUCTURE & ENVIRONMENT COMMITTEE – Time: 7:18 PM***DOUG MYSLINSKI, CHAIRMAN*

1. As Submitted -

No Report

**F. POLICE POLICY & CODE SERVICES COMMITTEE – Time: 7:18 PM***TIM MILLAR, CHAIRMAN*

1. As Submitted -

No Report

**X. REPORTS OF THE VILLAGE OFFICERS – Time: 7:18 PM****A. VILLAGE MANAGER**

1. As Submitted -

No Report

Minutes Acceptance: Minutes of May 15, 2023 7:00 PM (APPROVAL OF MINUTES)

**B. VILLAGE CLERK**

1. As Submitted -

No Report

**C. VILLAGE ATTORNEY**

1. As Submitted -

No Report

**XI. CLOSED SESSION AS REQUIRED**

No Closed Session requested.

**XII. RECOGNITION OF AUDIENCE – Time: 7:18 PM**

No one came forward.

**XIII. ADJOURNMENT – Time: 7:19 PM**

Adjourn the Village Council Meeting - **Motion Carried by Voice Vote**

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>RESULT:</b>   | <b>MOTION CARRIED BY VOICE VOTE [UNANIMOUS]</b>        |
| <b>MOVER:</b>    | Brad Helms, District 6 Councilman                      |
| <b>SECONDER:</b> | Scott Lamerand, District 2 Councilman                  |
| <b>AYES:</b>     | Millar, Lamerand, Myslinski, Solberg, Kozlowski, Helms |

SUBMITTED BY:

Margaret R. Duer  
Village Clerk

Minutes Acceptance: Minutes of May 15, 2023 7:00 PM (APPROVAL OF MINUTES)

# Certificates of Recognition - Eagle Scouts

4.1

## **BACKGROUND:**

The Rank of Eagle Scout is the highest honor a Scout can obtain. This rank, achieved by only 6% of all Scouts, has made over 2 million Eagle Scouts since its inception in 1912. The Rank of Eagle Scout is awarded to Scouts who consistently perform to the best of their personal ability, exceeding expectations at every step.

The following local Scouts are receiving Certificates of Recognition for attaining this prestigious honor during the past year:

### **Troop 182: Scoutmaster - Kevin D. Reidel**

Aaron Hardy  
William Shoults  
Matthew Stepp

### **Troop 188: Scoutmaster Jennifer L. Tobin**

Patrick Dix  
Matthew Olin  
Colin O'Donnell

### **Troop 209: Scoutmaster - Mike Blanck and Eric Hildebrandt**

Theo Bachmann  
Joseph Nowakowski  
Anthony Pluta  
Grace Ziomek

### **Troop 461: Scoutmaster Steven L. Cox**

Pranav Bottu  
Connor Cox

# Consider an Amendment to the Jaycees 2023 Hometown Fest Approval Dates to Allow the Carnival Vendor, Windy City Amusements, to Open Their Food, Game and Ride Operations One Day Prior to the Official Opening of Hometown Fest, Thursday, June 29, from 5 PM - 9 PM

## BACKGROUND:

The Palatine Jaycees are holding their annual Hometown Fest from Friday, June 30 - Tuesday, July 4, 2023. The carnival vendor, Windy City Amusements, is requesting to open one day prior, Thursday, June 29th, to operate their food, games and rides from 5PM - 9PM. The approved festival hours are as follows :

- Friday, June 30: 5PM - 10PM (Special Needs Carnival from 3 - 5PM)
- Saturday, July 1: Noon - Midnight (Parade at 11AM)
- Sunday, July 2: Noon - 10PM
- Monday, July 3: 3PM - Midnight (Fireworks at 9:30PM)
- Tuesday, July 4: Noon - 5PM

## KEY ISSUES:

1. The Jaycees are requesting approval of the following:
  - Allow Windy City Amusements to open one day earlier, Thursday, June 29, 5PM - 9PM.
    - Only Windy City will open and operate their carnival rides, games and food.
    - Hometown Fest will not open until Friday, June 30. There will be no beer tent or any other vendors open on Thursday, June 29. Just the carnival operations.
  - Hometown Fest's opening day will remain on Friday, June 30.
  - Setup will remain as planned and begin Thursday, June 29 and tear down will start Tuesday afternoon on July 4<sup>th</sup> and conclude on Wednesday, July 5<sup>th</sup>.
  - Temporary closure of streets on Saturday, July 1 for the parade.
  - The proposed event hours are consistent with what was approved by the Palatine Park District at their December 13, 2022 Board Meeting.
2. Any requested overnight security from the Palatine Police Department will be billed and paid for by the Jaycees.

## ALTERNATIVES:

1. Approve the request for Windy City Amusements to open one day early, Thursday, June 29, 5 PM - 9 PM to operate their food, games and rides.
2. Do not approve the request for Windy City Amusements to open one day early, Thursday, June 29, 5 PM - 9 PM to operate their food, games and rides.

## RECOMMENDATION:

Staff recommends approval of the amended date for Windy City Amusements to open one day prior to Hometown Fest, Thursday, June 29, 5 PM - 9 PM.

## ACTION REQUIRED:

A motion to approve the request for the amended date for Windy City Amusements to

open one day prior to Hometown Fest, Thursday, June 29, 5 PM - 9 PM subject to the conditions outlined above.

**ATTACHMENTS:**

- Hometown Fest Change of Date

**Susan Storelli**

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**From:** Zach Kulig <kulig.zach@gmail.com>  
**Sent:** Wednesday, May 24, 2023 9:18 PM  
**To:** Susan Storelli  
**Cc:** Andrew Namowicz; Hometown Fest  
**Subject:** Request to Open Carnival 1 Day Early for Hometown Fest

**Caution:** This is an external email, Please take care when clicking links or opening attachments. When in doubt, please talk with the sender or check with VOP IT

Hi Susan,

This email is to request permission to allow our Carnival vendor, Windy City Amusements, to open their food, game, and ride operations on June 29th, 1 day prior to the official opening of hometown fest. We request they have operations from 5pm to 9pm.

The carnival would be the only open portion of the event on June 29th as the bulk of the festival will still be in the process of being set up. I included a previous email from Cheryl Salerno from Windy City regarding the operations they would like to have open on Thursday.

Please let us know if you have any questions or need any additional information from us.

Thanks again,

Zach  
 Palatine Jaycees  
 Hometown Fest Chair

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===== Forwarded message =====

**From:** Cheryl Salerno <[windycityinc@yahoo.com](mailto:windycityinc@yahoo.com)>  
**To:** "Hometown Fest" <[hometownfest@palatinejaycees.org](mailto:hometownfest@palatinejaycees.org)>  
**Date:** Tue, 23 May 2023 12:02:14 -0500  
**Subject:** Re: Potentially Opening Carnival 6/29

===== Forwarded message =====

Zach

Yes we were planning on selling food as well and that is probably how this all got started as the health Department lady called me and said that I had Thursday listed but the event does not start until Friday

I will let Tony see this email

Cheryl Salerno  
 Windy City Amusements Inc  
 630-443-4547

Attachment: Hometown Fest Change of Date (Jaycees 2023 Hometown Fest Amendment to Open One Day Earlier)

On Tuesday, May 23, 2023 at 11:50:56 AM CDT, Hometown Fest <[hometownfest@palatinejaycees.org](mailto:hometownfest@palatinejaycees.org)> wrote:

Hi Cheryl and Tony,

Tony, I apologize I was unable to connect with you last week. I was in the office, so it's harder for me to take and make calls. I've been emailing Susan Storelli again regarding your call to me last week to potentially open the carnival for rides on Thursday, 6/29. She is going to run this by the village manager to see if this would be possible.

Just so we are on the same page, you would want to operate just the carnival rides for 5-9pm as you stated in an earlier email, correct? Were you also expecting to be able to sell food? We ask as our serving permits do not kick in until 6/30. We'll hopefully have an answer for you soon regarding opening early as soon as we get more info from you.

Thanks again and stay well,

Zach  
Palatine Jaycees  
Hometown Fest Chair

Attachment: Hometown Fest Change of Date (Jaycees 2023 Hometown Fest Amendment to Open One Day Earlier)

# Consider an Ordinance Granting a Special Use to Permit a Car Wash at 2239 N. Rand Road

## BACKGROUND:

The Petitioner is proposing to demolish the existing structure on the property and redevelop the site with a drive-through touchless car wash ("Zoomies Express Car Wash"). Therefore, the Petitioner is requesting approval of the following:

**Special Use to permit a car wash (automotive laundry) at the Subject Property.**

## KEY ISSUES:

- The Petitioner is requesting a Special Use for a car wash. The proposed car wash includes 27 bays of covered vacuums and car stacking space along the south side of the proposed building.
- When the Patrick Hyundai Planned Development was approved in 2012, a condition required a cross access easement for the Subject Property for access to both Rand and Lake Cook Roads. Pursuant the applicable declarations and a maintenance agreement, the proposed car wash connects through the existing Patrick Hyundai access road, which also provides access to Starbucks and the Bloc dispensary currently under construction.
- The proposed elevations combine face brick and stone block, with limestone sills, and fiber cement panels. The tower roofs are of a dark bronze metal material. The Petitioner also submitted a photometric plan, which complies with the Code requirements and indicates minimal to no impact on the surrounding properties.
- For additional reference, the Petitioner submitted a sound study from another community. Its relevance to this location is that it measured decibel readings for the same equipment in Palatine. The study confirms that the equipment's decibel output is below the State of Illinois standards for commercial properties. The car wash also includes speed doors to further manage the car wash operations.
- The submitted business plan indicates that the automated facility would have a minimum of 3 employees, always present at the facility. During peak hours there could be a maximum of 6 employees.
- Per Code, within the B-5 zoning district a single user lot, over 2 acres, is permitted two free-standing signs. The Petitioner has indicated that one of these signs could occupy part of the existing monument sign near the subject property's northern side lot line (sign is also occupied with Starbucks Drive-Thru sign). Any reuse of this sign would be subject to a sign easement and maintenance agreement, from the initial subdivision approval and in a manner acceptable to the Village.

## ALTERNATIVES:

1. Approve the Special Use to permit a car wash at the Subject Property.
2. Do not approve the Special Use to permit a car wash at the Subject Property.

## RECOMMENDATION:

Public Hearing: PZC meeting on April 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve a Special Use to permit a car wash, and Staff concurs.



**ACTION REQUIRED:**

A motion to approve the ordinance granting a Special Use to permit a car wash at the Subject Property.

**ATTACHMENTS:**

- Aerial Map
- SU ORD - 2239 N Rand Rd
- EXHIBIT - Site Plan
- EXHIBIT - Architectural Drawings & Floor Plan
- EXHIBIT - Site Renderings
- PZC Materials - May 23, 2023
- Draft PZC Minutes - May 23, 2023





Attachment: Aerial Map (2239 N. Rand Road - SU Car Wash)

0 300 600  
ft

Print Date: 3/24/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.



ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE GRANTING A SPECIAL USE  
AT 2239 & 2251 N. RAND ROAD**

WHEREAS, pursuant to a petition and public hearing on May 23, 2023, of which public notice was given as required by law, the Planning and Zoning Commission of the Village of Palatine, in accordance with the Zoning Ordinance of the Village of Palatine, in such case made and provided, has held such public hearing and reported their findings relative to a request for a Special Use to permit an automotive laundry pursuant to Section 11.06 (e) (7) of the Palatine Zoning Ordinance, on the following legally described property:

THAT PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER AND THE WEST 4 ACRES OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE POINT OF INTERSECTION OF THE CENTERLINE OF RAND ROAD WITH THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; SAID POINT OF INTERSECTION BEING 16.12 FEET SOUTH OF THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; THENCE SOUTHEASTERLY ALONG THE CENTERLINE OF RAND ROAD 854 FEET TO THE PLACE OF BEGINNING.;  
THENCE SOUTHEASTERLY ALONG THE CENTERLINE OF RAND ROAD, 100 FEET; THENCE NORTHEASTERLY IN STRAIGHT LINE 1037.63 FEET TO A POINT IN THE NORTH LINE OF SAID SECTION 2 THAT IS 1409.41 FEET EAST OF THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; THENCE WEST ALONG THE NORTH LINE OF SECTION 2 AFORESAID, 145.94 FEET, THENCE SOUTHWESTERLY IN A STRAIGHT LINE 931.34 FEET TO THE PLACE OF BEGINNING, (EXCEPT THAT PART THEREOF DESCRIBED AS FOLLOWS: THAT PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER, AND THE WEST 4 ACRES OF THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTH OF A LINE DESCRIBED AS FOLLOWS: BEGINNING AT A POINT OF INTERSECTION OF THE EAST LINE OF THE

Attachment: SU ORD - 2239 N Rand Rd (2239 N. Rand Road - SU Car Wash)

**WEST 4 ACRES OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER AFORESAID WITH A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID SECTION 2; THENCE WEST PARALLEL WITH SAID NORTH LINE TO A POINT THAT IS 94 FEET WEST OF AND 50 FEET SOUTH OF THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 2 (AS MEASURED ON SAID NORTH LINE AND ON A LINE AT RIGHT ANGLES THEREOF); THENCE SOUTH AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 30 FEET; THENCE WEST PARALLEL WITH THE NORTH LINE OF SAID SECTION 2, TO THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2), IN COOK COUNTY, ILLINOIS.**

**commonly known as 2239 N. Rand Road & 2251 N. Rand Road**

**(PIN# 02-02-102-011, 02-02-102-023, and 02-02-102-024)**

**NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power that:**

**SECTION 1: Special Use to permit an automotive laundry pursuant to Section 11.06 (e) (7) of the Palatine Zoning Ordinance, is hereby granted, subject to the following condition(s):**

- 1. The Special Use shall substantially conform to the Site Plans, Floor Plans, and Elevation Plans submitted by the Petitioner, Krisch Capital Partners, LLC, except as such plans may be changed to conform to Village Codes and Ordinances.**
- 2. Any improvements to the existing freestanding sign, located within the US Army Corps. of Engineers “No Build” Limit and the final freestanding sign plans shall be submitted in a manner acceptable to the Village Engineer and Director of Planning and Zoning.**
- 3. A license agreement and maintenance agreement addressing the cross-access driveway to the north and sign maintenance for the Patrick Hyundai lots shall be submitted in a manner acceptable to the Village Attorney and Director of Planning and Zoning.**

Ordinance No.

Page 3 of 3

**SECTION 2:** That a copy of the public notice is attached hereto and form a part of this ordinance.

**SECTION 3:** That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.

**PASSED:** This \_\_\_\_\_ day of \_\_\_\_\_, 2023

**AYES:**\_\_\_\_\_ **NAYS:**\_\_\_\_\_ **ABSENT:**\_\_\_\_\_ **PASS:**\_\_\_\_\_

**APPROVED** by me this \_\_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Mayor of the Village of Palatine

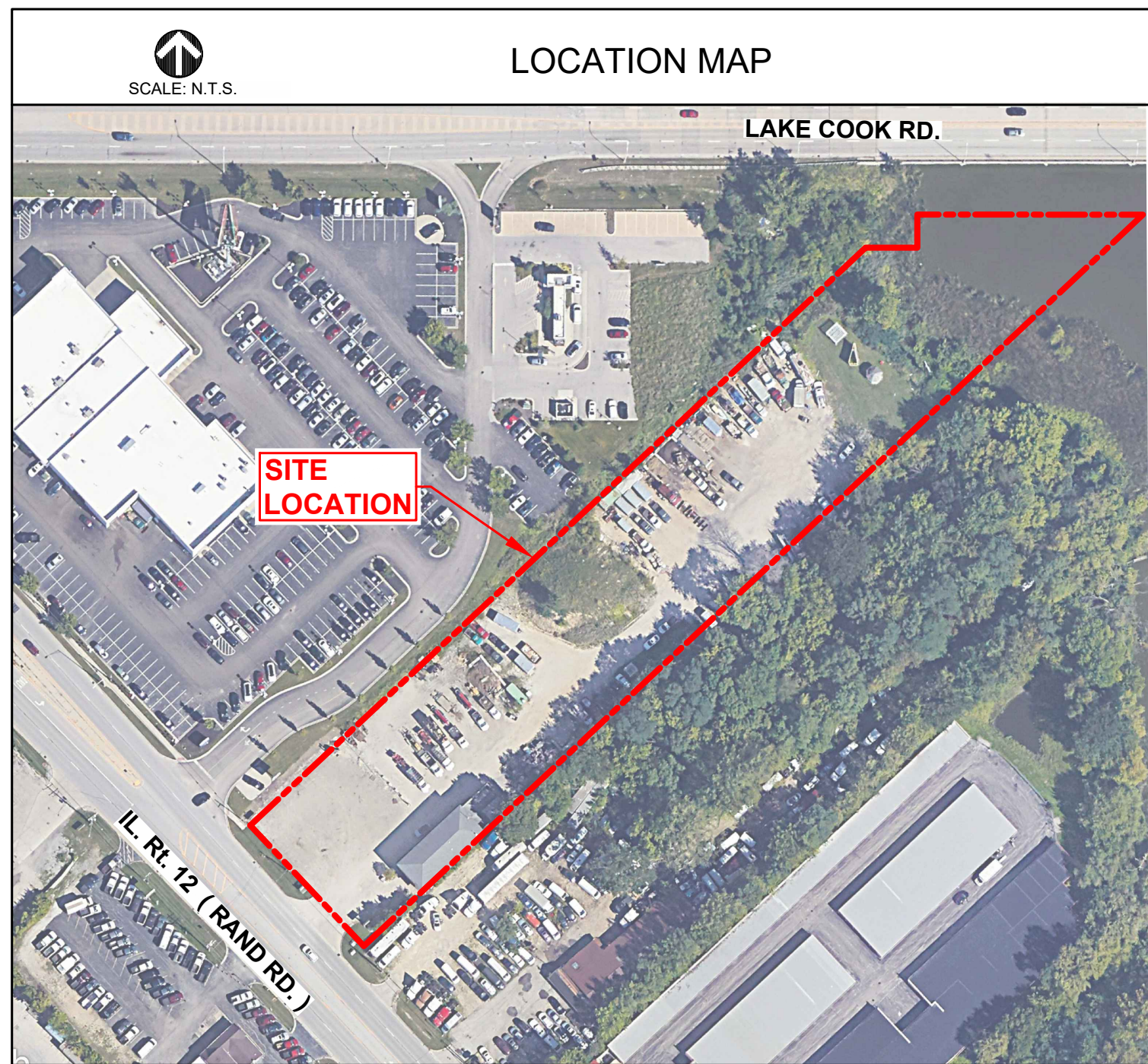
**ATTESTED and FILED** in the office of the Village Clerk this

\_\_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Village Clerk

Attachment: SU ORD - 2239 N Rand Rd (2239 N. Rand Road - SU Car Wash)





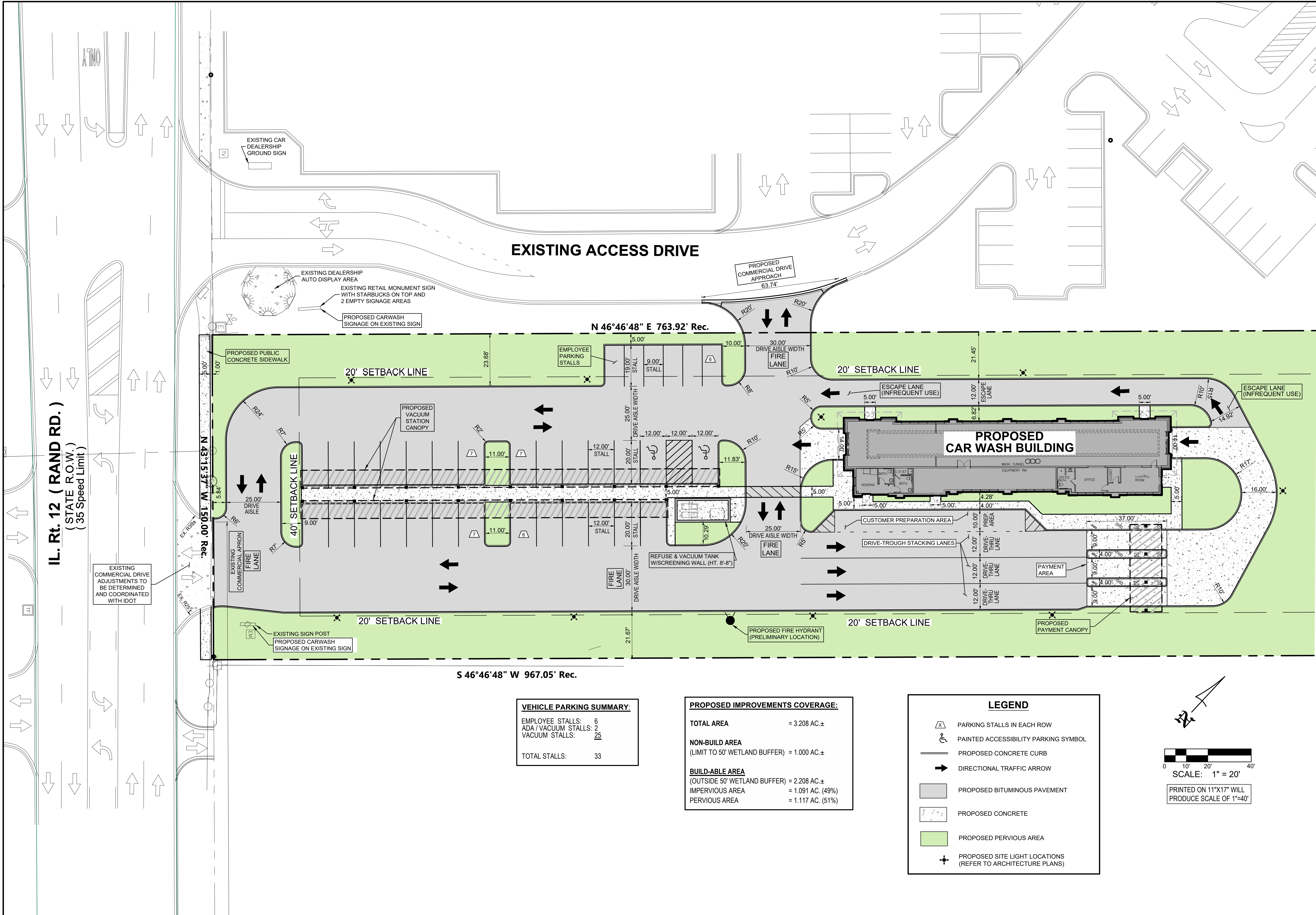
FLOOD\_ZONE: FEMA;  
X (AREA OF MINIMAL FLOOD HAZARD  
FIRM PANEL 17031C0043J, EFF 8/19/2008

1. EXISTING IMPROVEMENTS & PROPERTY LINES WAS DRAWN PER CLIENT PROVIDE DOCUMENTS CLIENT PROVIDE DOCUMENTS.
2. EXISTING ROADWAY PAVEMENT MARKINGS SHOWN WAS DRAWN FROM GOOGLE AERIALS.
3. ALL EXISTING IMPROVEMENTS AND PROPERTY LINES ARE TO BE VERIFIED WITH SURVEY CAD LINEWORK WHEN AVAILABLE.

|                                                                                       |                                     |
|---------------------------------------------------------------------------------------|-------------------------------------|
|  | PAINTE ACCESSIBILITY PARKING SYMBOL |
|  | PROPOSED CONCRETE CURB              |
|  | DIRECTIONAL TRAFFIC ARROW           |
|  | PROPOSED BITUMINOUS PAVEMENT        |
|  | PROPOSED CONCRETE                   |

OF 5





PREPARED FOR:

Design, Development, Consulting

PREPARED BY:

600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

IL LICENSE #184,004548    EXP. 04/30/2025

| No. | DESCRIPTION          | DATE     |
|-----|----------------------|----------|
| -   | COMPLETE EXHIBIT SET | 03-10-23 |
| -   | ARCHITECTURE UPDATE  | 03-17-23 |
| 1   | ZONING REV #1        | 04-19-23 |

SITE IMPROVEMENTS

FOR

CAR WASH FACILITY

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074

DESIGNED BY:    M.S.E.

DRAWN BY:    K.S.B.

DATE:    12/28/2022

PROJECT #:    1622

SHEET TITLE

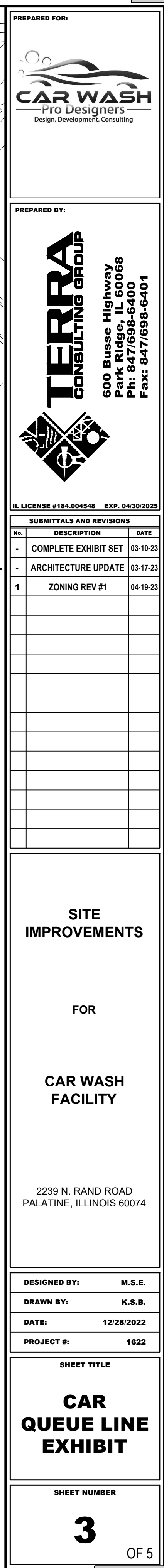
SITE EXHIBIT

SHEET NUMBER

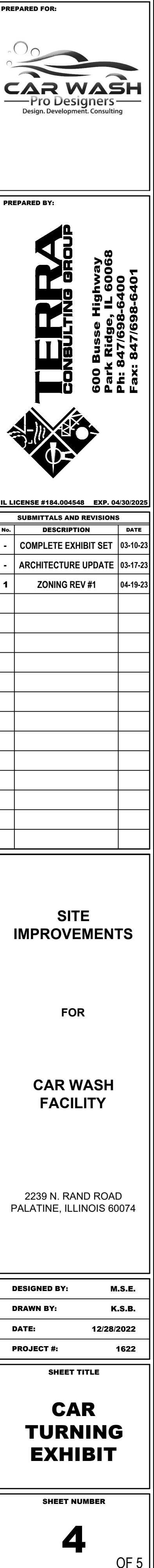
2

OF 5

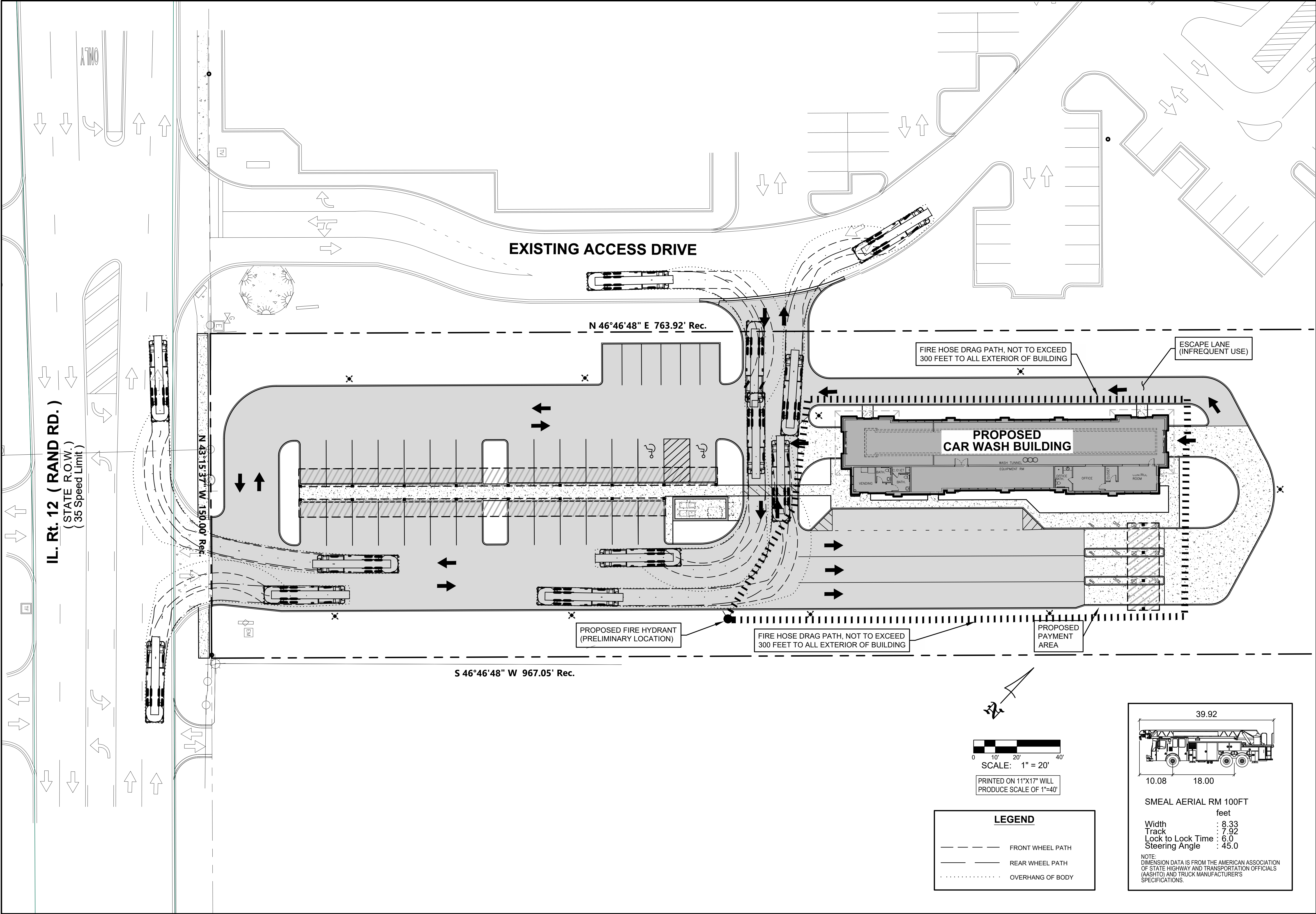












PREPARED FOR:

**CAR WASH Pro Designers**  
Design, Development, Consulting

PREPARED BY:

**TERRA CONSULTING GROUP**  
600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

IL LICENSE #184.004548 EXP. 04/30/2025

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**SITE IMPROVEMENTS**

FOR

**CAR WASH FACILITY**

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074

|              |            |
|--------------|------------|
| DESIGNED BY: | M.S.E.     |
| DRAWN BY:    | K.S.B.     |
| DATE:        | 12/28/2022 |
| PROJECT #:   | 1622       |

**SHEET TITLE**

**FIRE TRUCK TURNING EXHIBIT**

**SHEET NUMBER**

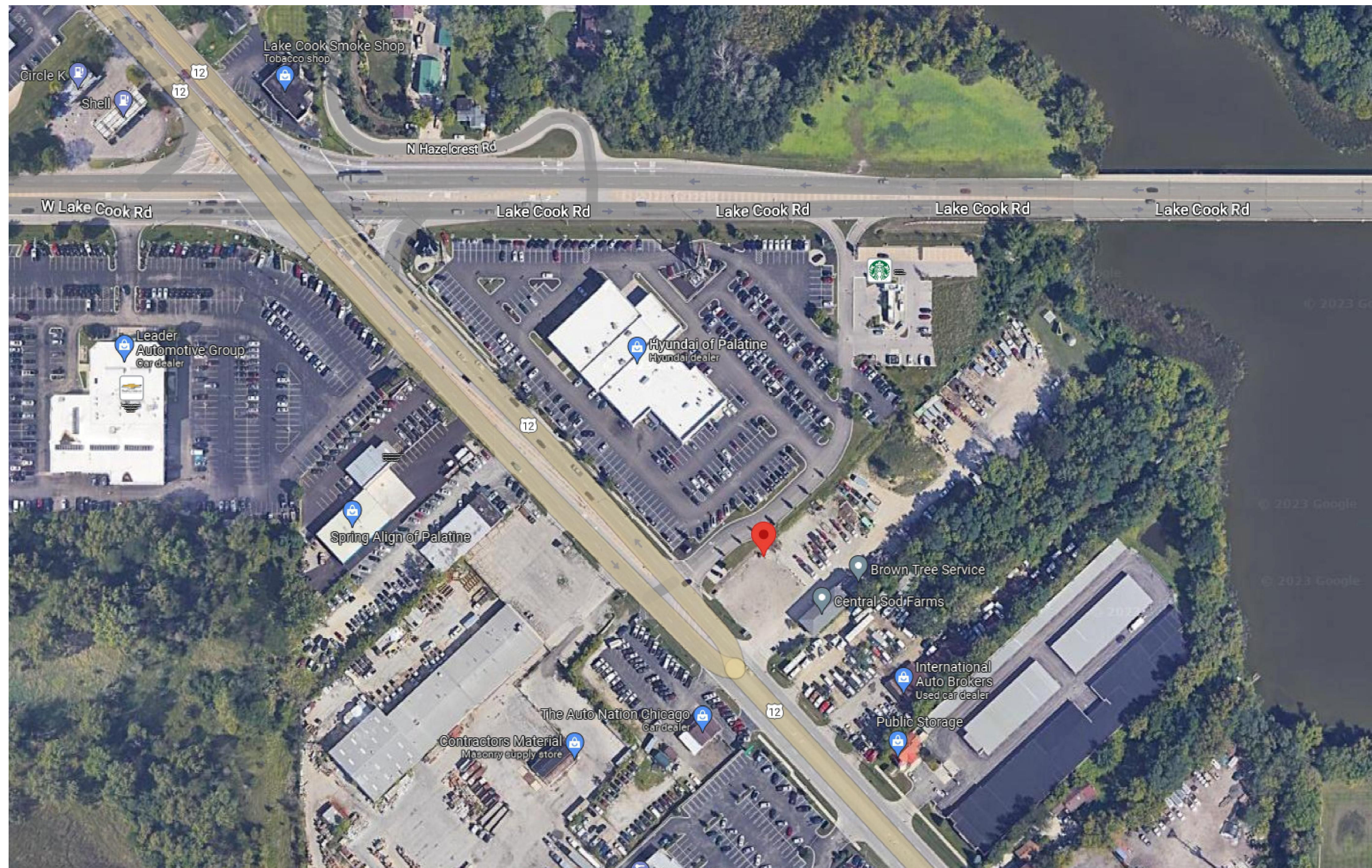
**5**

OF 5



6400 N. NORTHWEST HWY. SUITE 4  
CHICAGO, IL 60631  
P. 847.825.9400

LICENSE # 1301070132  
EXPIRATION DATE: MARCH 02, 2023



## PROJECT NOTES CODES, STANDARDS, AND PROCEDURES

ZONING: B-5 HIGHWAY BUSINESS DISTRICT

SCOPE OF WORK: NEW COMMERCIAL BUILDING

**(Building codes have been adopted by the Village of Palatine)**

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL & 2018 ILLINOIS ENERGY CONSERVATION CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2015 INTERNATIONAL EXISTING BUILDING CODE
- 2000 LIFE SAFETY CODE, NFPA 101
- ILLINOIS PLUMBING CODE, LATEST EDITION
- ILLINOIS ACCESSIBILITY CODE, LATEST EDITION

EXISTING USE: COMMERCIAL BUILDING

USE GROUP: "B" - COMMERCIAL CARWASH

**BUILDING AREA:** ONE STORY (30'-0")

**PROPOSED BUILDING AREA: 4,983 SQ. FT.**

---

1. ALL CONSTRUCTION SHALL COMPLY WITH INTERNATIONAL BUILDING CODES, OSHA, AND ZONING CODES, VILLAGE OF PALATINE, STATE OF ILLINOIS, AND ALL OF THE UNITED STATES OF AMERICA FEDERAL AGENCY REQUIREMENTS.
2. BEFORE DOING ANY CONSTRUCTION, CONTACT LOCAL ELECTRIC COMPANY AND ASK FOR THE "NEW BUSINESS GROUP". REQUEST AN ONSITE MEETING AND COORDINATION OF PROPOSED WORK. BRING ARCHITECTURAL DRAWINGS AND OBTAIN APPROVAL ON CLEARANCES FOR ALL NEW STRUCTURES BEING BUILT AND/ OR ELECTRIC SERVICE BEING MOVED AND/ OR UPGRADED.
3. BEFORE DOING ANY CONSTRUCTION, CONTACT J.U.I.E. TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES WHICH MAY AFFECT PROPOSED SITE WORK. 8-1-1 IS THE NATIONWIDE TOLL-FREE NUMBER FOR LOCATION SERVICES. CALL JULIE'S TOLL-FREE NUMBER 1-800-892-0123.
4. ALL CARWASH EQUIPMENT SHALL BE PROVIDED BY **NATIONAL CARWASH SOLUTIONS (NCS)** AND COORDINATED w/ NERI ARCHITECTS' INFORMATION.
5. ALL REFERENCES TO CODES, SPECIFICATIONS, AND STANDARDS, REFERRED TO IN THE SPECIFICATIONS AND / OR DRAWINGS SHALL MEAN THE LATEST EDITION, AMENDMENT OR REVISION OF SUCH REFERENCE IN EFFECT AS OF THE LATEST DATE OF THE CONTRACT DOCUMENTS.
6. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS, POLICIES, AND PROCEDURES OF THE OWNER.
7. DRAWINGS AND SPECIFICATIONS ARE TO BE ISSUED TO THE SUBCONTRACTORS IN COMPLETE SETS SO THAT THE FULL EXTENT OF WORK IS SHOWN AND COORDINATION OF WORK IS MADE POSSIBLE.
8. ALL WORK SHALL BE OF THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATIONS, MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.
9. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPES OF DETAILING REQUIRED FOR THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED.
10. PROVIDE ALL SHOP DRAWINGS, CATALOG CUTS, SAMPLES, ETC. FOR THE NECESSARY WORK REQUIRED AND FOR ARCHITECTS REVIEW PRIOR TO COMMENCEMENT OF THE WORK.
11. EACH CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL WORK WHICH DIFFERS FROM CONTRACT DOCUMENTS SO THAT ACCURATE RECORD DRAWINGS AND SPECIFICATIONS CAN BE KEPT AND PROVIDED TO THE OWNER AT PROJECT CLOSEOUT.
12. EACH CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THERE OF. FAILURE TO EXAMINE THE SITE AND DETERMINE EXISTING CONDITIONS OR NATURE OF NEW CONSTRUCTION, OR NATURE AND EXTENT OF WORK TO BE PERFORMED BY OTHER TRADES WILL NOT BE CONSIDERED A BASIS FOR GRANTING OF ADDITIONAL COMPENSATION.
13. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
14. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE ELEMENTS FROM DAMAGE DUE TO THE CONSTRUCTION OPERATIONS, AND REPAIR OR REPLACE ANY ELEMENTS DAMAGED DURING THE PROJECT.
15. ANY UTILITY SHUT-OFFS AS REQUIRED BY THE CONTRACTOR FOR COMPLETION OF THEIR WORK SUCH AS ELECTRICAL, GAS, AND / OR WATER SHOULD BE COORDINATED w/ NERI ARCHITECTS' INFORMATION.

| TITLE         |                                         |
|---------------|-----------------------------------------|
| T-1.0         | COVERSHEET & PROJECT INFO               |
| CIVIL         |                                         |
| C-1           | TITLE SHEET                             |
| C-2A          | SPECIFICATIONS                          |
| C-2B          | SPECIFICATIONS                          |
| C-3           | EXISTING CONDITIONS & DEMOLITION PLAN   |
| C-4           | GEOMETRIC PLAN                          |
| C-5           | GRADING PLAN                            |
| C-6           | UTILITY PLAN                            |
| C-7           | STORMWATER POLLUTION PREVENTION PLAN    |
| C-8           | STORMWATER POLLUTION PREVENTION DETAILS |
| C-9           | DRAINAGE EXHIBIT                        |
| C-10          | DETAILS                                 |
| C-11          | DETAILS                                 |
| C-12          | DETAILS                                 |
| C-13          | DETAILS                                 |
| GENERAL NOTES |                                         |
| G-1.1         | GENERAL NOTES                           |
| G-1.2         | SITE PLAN                               |
| LANDSCAPE     |                                         |
| L1.1          | LANDSCAPE PLAN                          |
| ARCHITECTURAL |                                         |
| A-2.0         | FOUNDATION PLAN                         |
| A-2.1         | FLOOR PLAN                              |
| A-2.2         | CEILING PLAN                            |
| A-2.3         | ROOF & TOWER PLANS                      |
| A-3.4         | BATHROOM PLANS & ELEVATIONS             |
| A-5.0         | MAIN ELEVATIONS                         |
| A-5.1         | MAIN ELEVATIONS & WINDOW SCHDL.         |
| A-6.0         | BUILDING SECTIONS                       |
| A-6.1         | DETAIL SECTIONS                         |
| A-6.4         | FIRESTOPPING DETAILS                    |
| A-7.0         | SIGNAGE, REFUSE, PAY STATION            |
| A-7.1         | LOGO, VACUUM STATION                    |
| A-8.0         | DOOR SCHEDULE                           |

|            |                                  |
|------------|----------------------------------|
| STRUCTURAL |                                  |
| S-101      | GENERAL NOTES                    |
| S-201      | FOUNDATION & 1st FLOOR PLAN      |
| S-202      | ROOF FRAMING PLAN                |
| S-301      | SECTIONS & DETAILS               |
| S-302      | SECTIONS & DETAILS               |
| MECHANICAL |                                  |
| M2-0       | SITE PLAN                        |
| M2-1       | FLOOR & ROOF PLAN                |
| M3-0       | MECH SCHEDULES, NOTES, DETAILS   |
| M3-1       | MECH SCHEDULES, NOTES & DETAILS  |
| M3-2       | MECH SCHEDULES, NOTES, DETAILS   |
| M3-3       | MECH SCHEDULES, NOTES, DETAILS   |
| ELECTRICAL |                                  |
| E2-1       | 1ST FLR PLAN & EQUIP. PLAN       |
| E2-2       | REFLECTED CEILING PLAN           |
| E2-3       | ROOF & TOWER PLANS               |
| E2-4       | PAY-STATION DETAILS              |
| E3-0       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-1       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-2       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-3       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-4       | MOTOR CONTROL CENTER             |
| E3-5       | ELECTRIC CONTROLS                |
| E3-6       | ELECTRIC MOTORS                  |
| E3-7       | ELECTRIC UNDERGROUND             |
| E3-8       | ELECTRIC EQUIPMENT SCHD.         |
| E-1.0      | ELECTRIC SITE PLAN               |
| PLUMBING   |                                  |
| P1-0       | PLUMBING SITE PLAN               |
| P2-1       | PLUMBING FLOOR PLAN              |
| P3-0       | SCHEDULES & RISERS               |
| P3-1       | PLUMBING EQUIP. PLAN             |
| P3-2       | PLUMBING PIPING & UNDERGROUND    |
| P3-3       | WATER EQUIP. SCHEDULE            |
| P3-4       | AIR PIPING PLAN & RISER          |
| P3-5       | AIR EQUIPMENT SCHEDULE           |

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

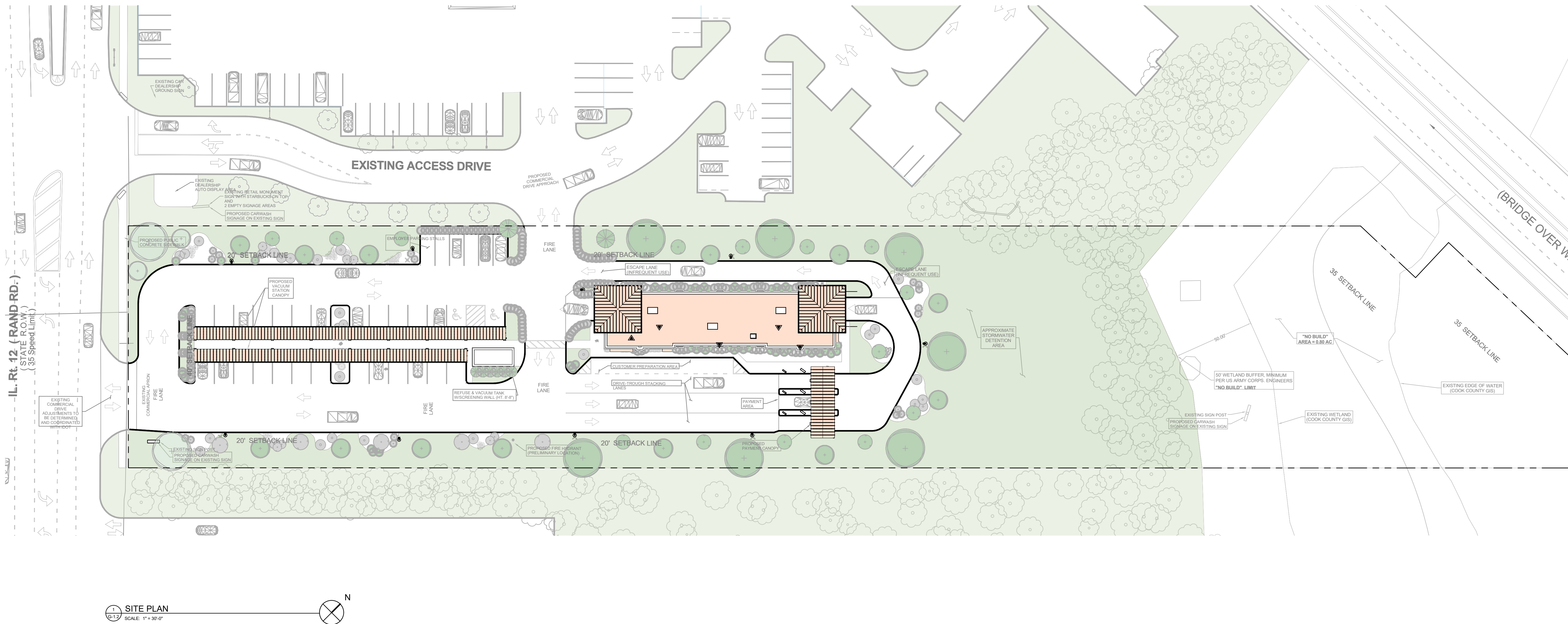


# NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

**Attachment: EXHIBIT - Architectural Drawings & Floor Plan (2239 N. Rand Road - SU Car Wash)**

[illegible]



PROJECT # 2313  
 DATE: 03/17/23

## NEW AUTOMATED CARWASH FACILITY

 2239 N. RAND ROAD PALATINE,  
 ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

|              |                  |
|--------------|------------------|
| 04.26.23     | ZONING REVISIONS |
| 03.17.23     | ZONING REVIEW    |
| REVISIONS    |                  |
| DRAWN BY:    | RAM              |
| APPROVED BY: | GCN / MAM        |
| SCALE:       | AS NOTED         |
| DESCRIPTION: | LANDSCAPE PLAN   |

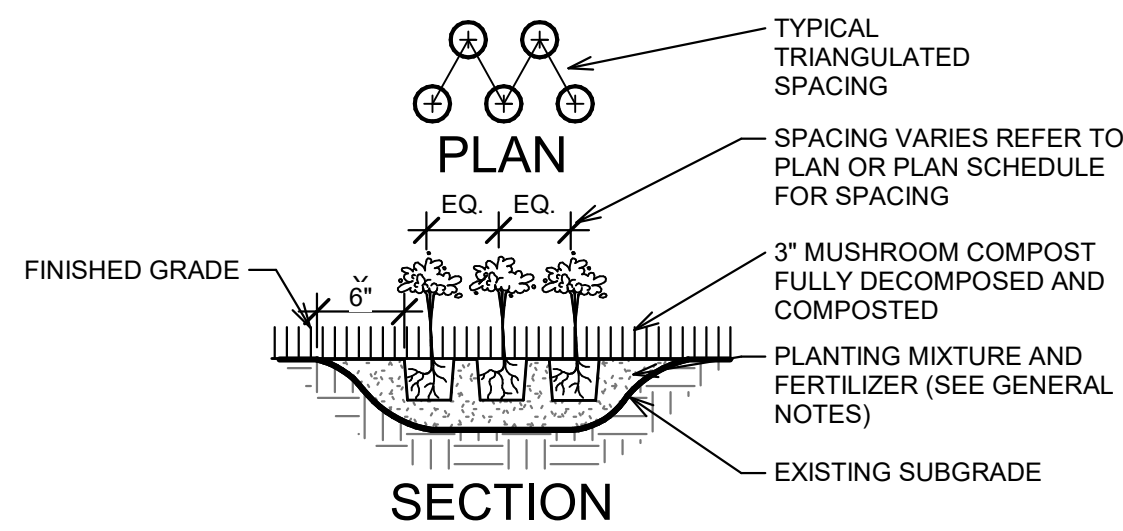
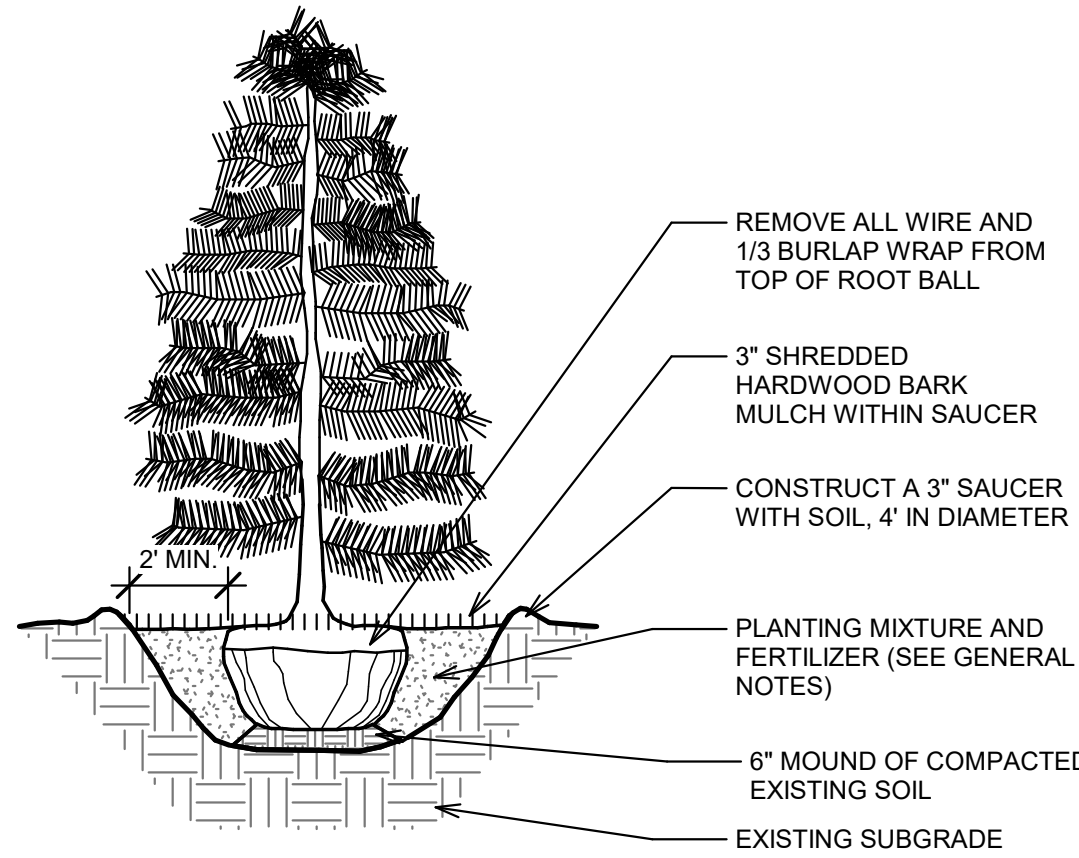
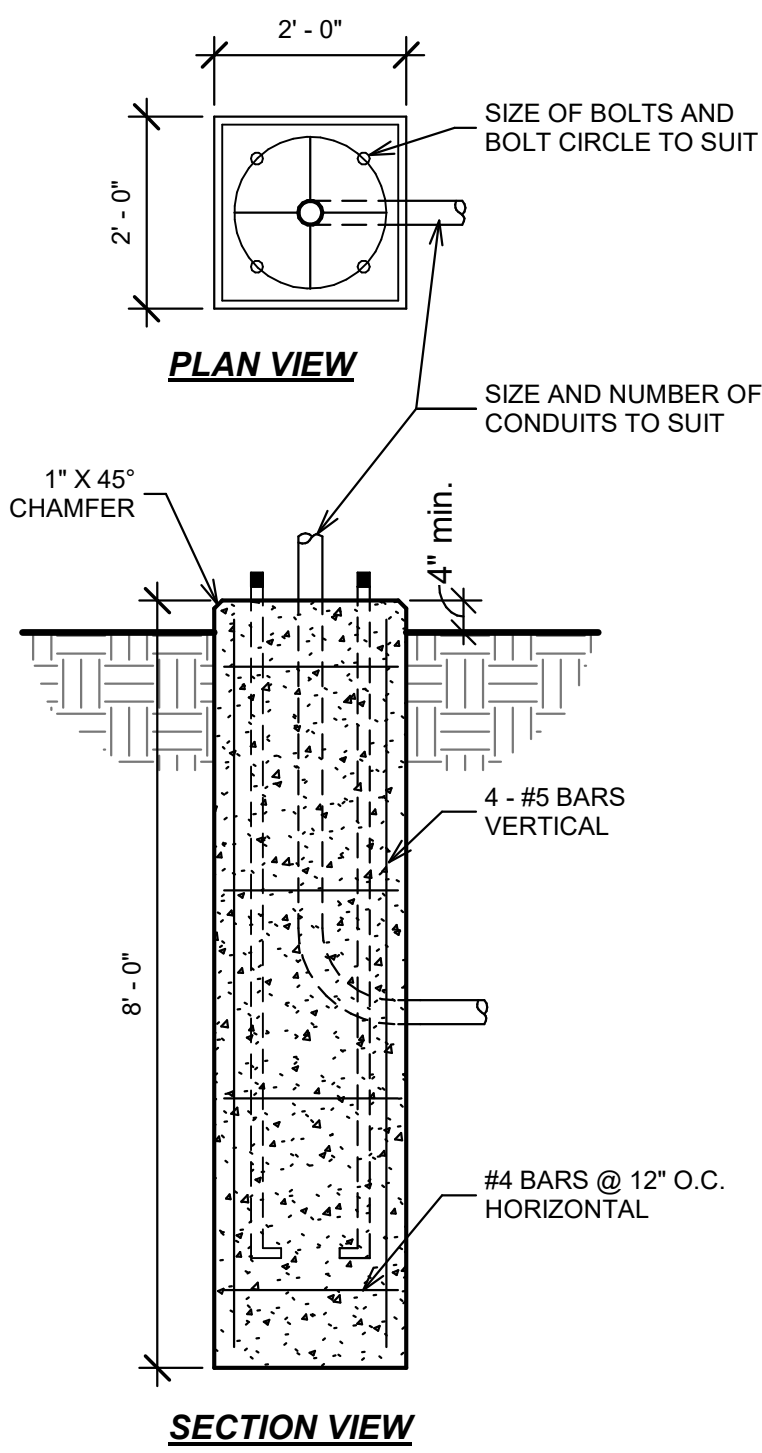
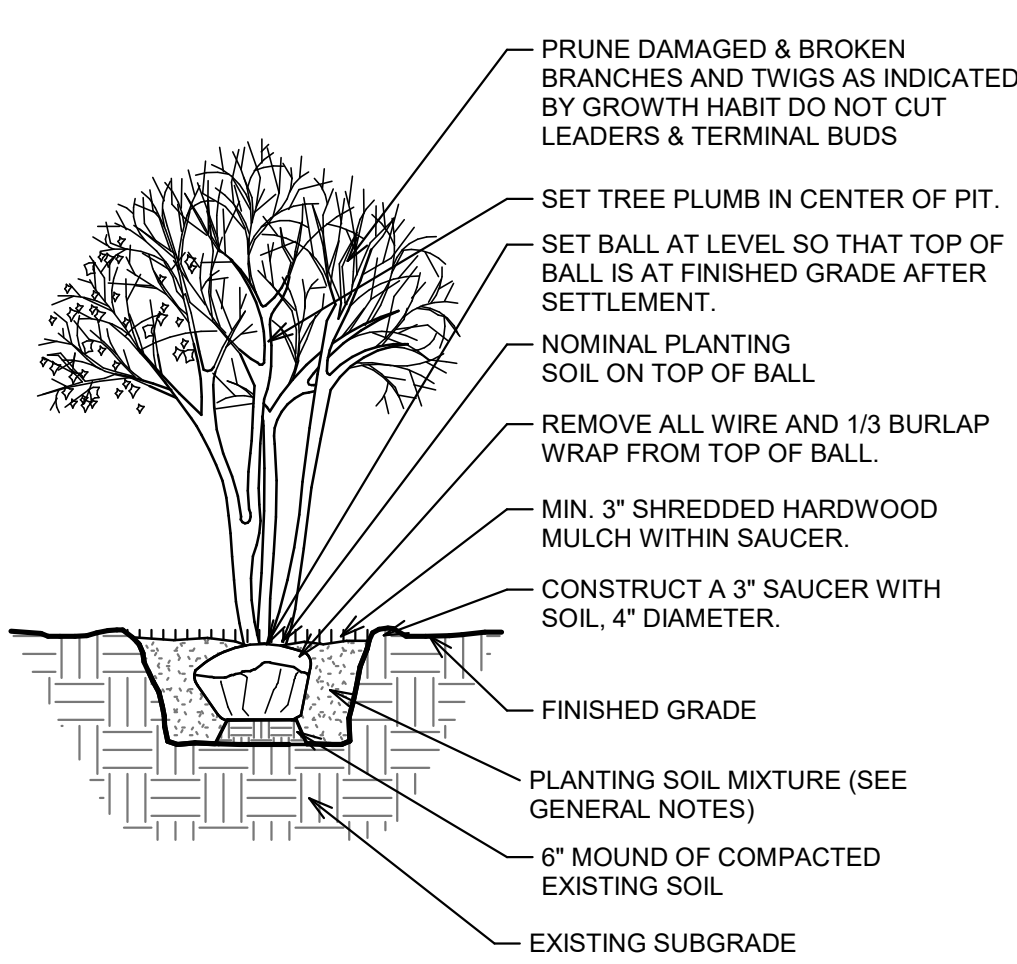
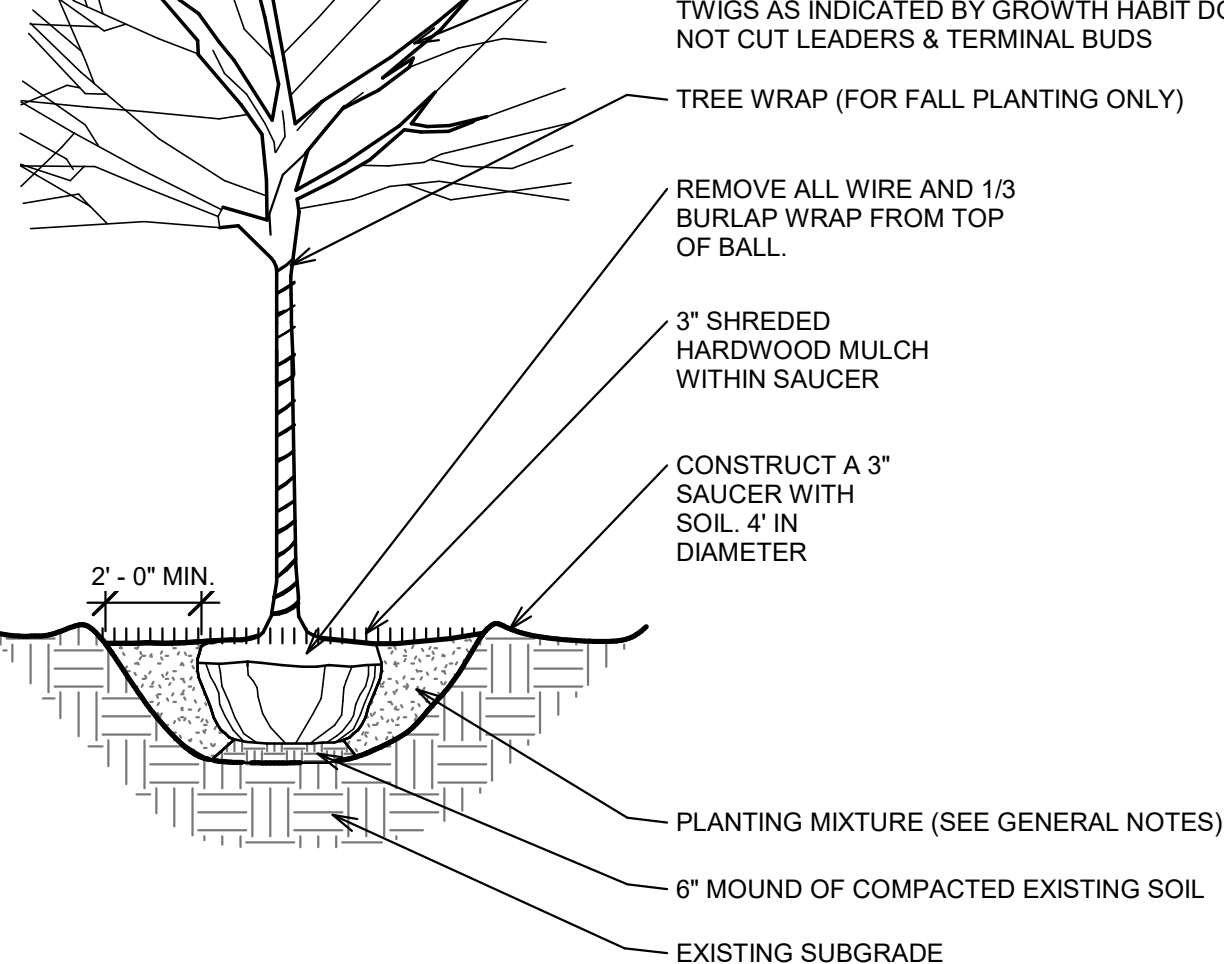
SHEET NO.

L1.1

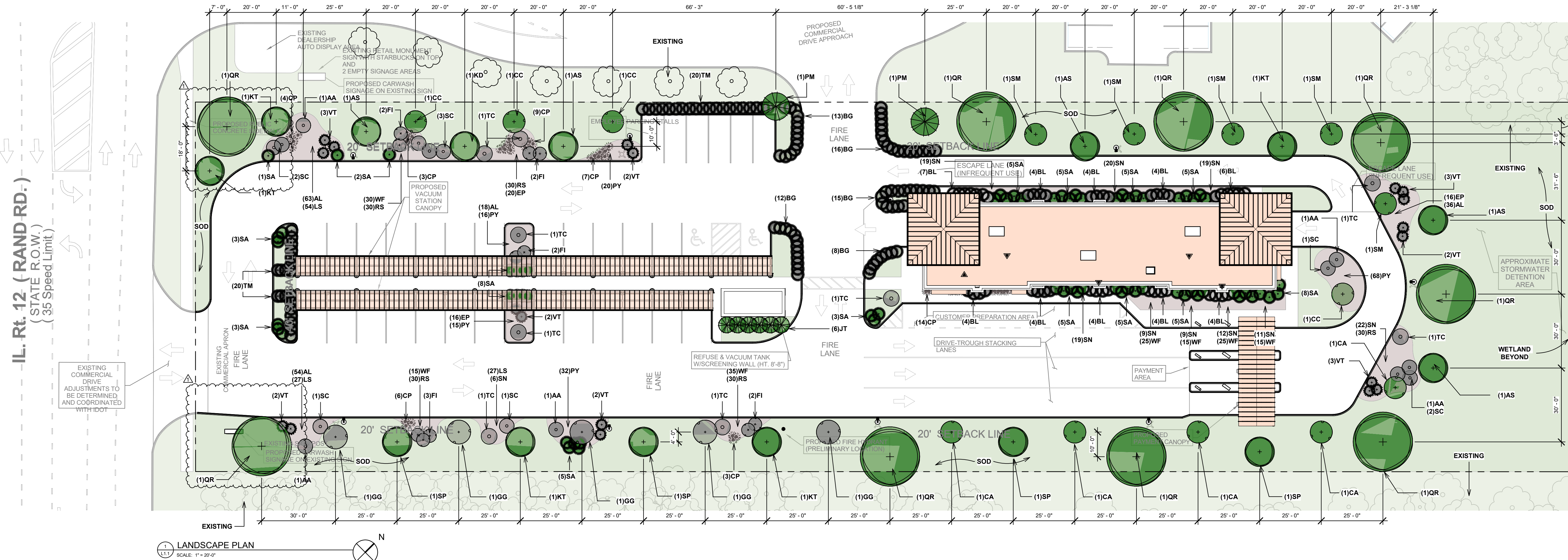
### Planting Schedule

per MOUNT PROSPECT LANDSCAPE CODE 14.2300

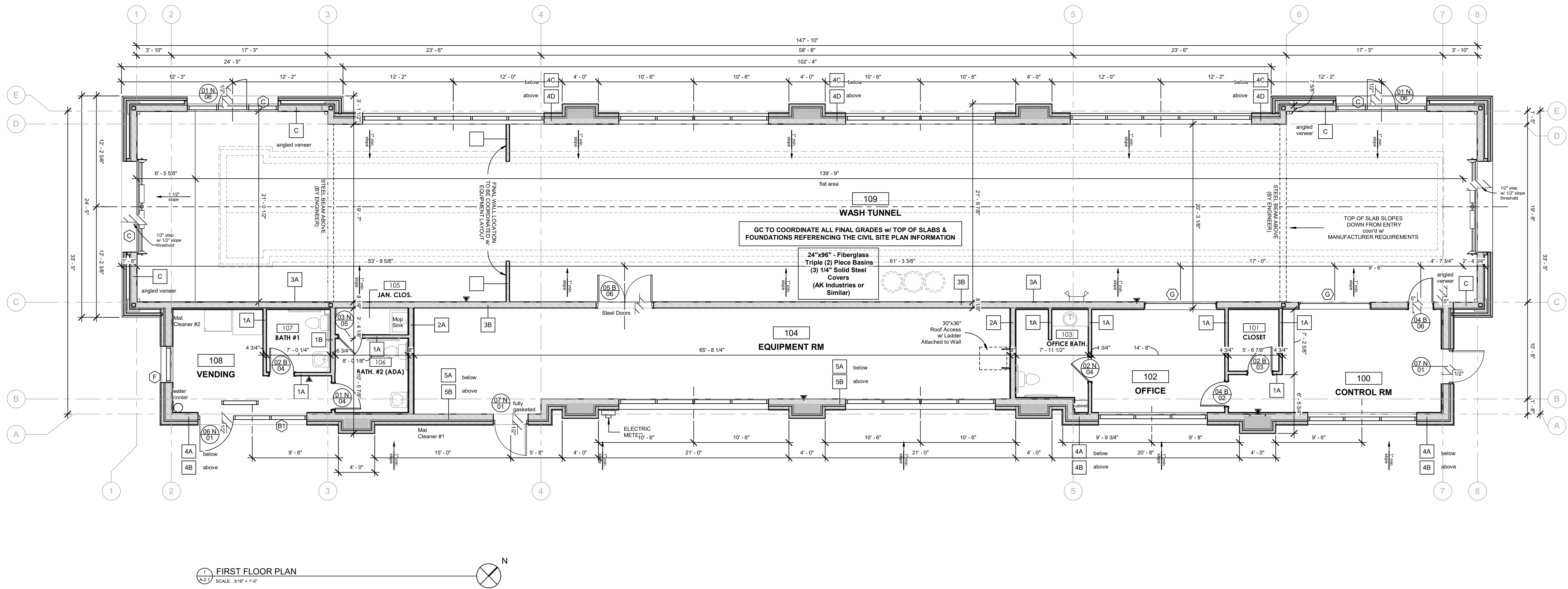
| LEGEND                                                                                                    | QUANT. - % | BOTANICAL NAME                              | COMMON NAME             | MIN. SIZE             | NOTES/SPECIAL CONDITIONS                                        |
|-----------------------------------------------------------------------------------------------------------|------------|---------------------------------------------|-------------------------|-----------------------|-----------------------------------------------------------------|
| SHADE / PARKWAY DECIDUOUS TREES (Min. Size at planting 3" Caliper) - Parkway Trees shall be max 40' apart |            |                                             |                         |                       |                                                                 |
| QR                                                                                                        | 9          | Quercus Rubrum                              | Red Oak                 | 3" caliper / 8' ht    |                                                                 |
| KD                                                                                                        | 1          | Cornus Kousa                                | Kousa Dogwood           | 3" caliper / 8' ht    | Mature height 15-25 ft.                                         |
| KT                                                                                                        | 5          | Carodiphyllum Japonicum                     | Katsura Tree            | 3" caliper / 8' ht    |                                                                 |
| SP                                                                                                        | 4          | Syringa Pekinensis                          | Peking Lilac            | 3" caliper / 8' ht    | Mature height 15-20 ft.                                         |
| AS                                                                                                        | 5          | Amelanchier x grandiflora                   | Apple Serviceberry      |                       |                                                                 |
| EXISTING                                                                                                  | TBD - %    | TBD                                         |                         |                       | Arborist to verify all existing condition and species of trees. |
| ORNAMENTAL DECIDUOUS TREES (Min. Size at planting 8' hgt. or 2.5" Caliper)                                |            |                                             |                         |                       |                                                                 |
| CC                                                                                                        | 4          | Cercis canadensis                           | Redbud                  | 2.5" caliper / 8' ht  |                                                                 |
| CA                                                                                                        | 5          | Cornus Alternifolia                         | Pagoda Dogwood          | 2.5" caliper / 8' ht  |                                                                 |
| SM                                                                                                        | 5          | Magnolia Stellata                           | Star Magnolia           | 2.5" caliper / 8' ht  | Parkway Alt - used under power lines also                       |
| GG                                                                                                        | 5          | Golden Glory                                | Golden Glory Dogwood    | 2.5" caliper / 8' ht  |                                                                 |
| EVERGREEN TREES (Min. Size at planting 6' hgt.)                                                           |            |                                             |                         |                       |                                                                 |
| PM                                                                                                        | 2          | Picea Mariana                               | Black Spruce            | 6' ht                 |                                                                 |
| JT                                                                                                        | 6          | Juniperus virginiana 'Taylor'               | Taylor Juniper          | 6' ht                 | mature height 18'                                               |
| EVERGREEN SHRUBS (All Hedges to be maintained and kept below @ max. 4'-0" tall)                           |            |                                             |                         |                       |                                                                 |
| TC                                                                                                        | 9          | Taxus Canadensis                            | Canada Yew              | 30" spr. / 36" ht     | mature height 3' to 5'                                          |
| BI                                                                                                        | 45         | Buxus sinica var. 'Insularis' 'Wintergreen' | Wintergreen Boxwood     | 30" spr. / 24" ht     | mature height 2' to 4'                                          |
| BG                                                                                                        | 64         | Buxus x 'Green Velvet'                      | Green Velvet Boxwood    | 30" spr. / 24" ht     | mature height 3' to 4'                                          |
| TM                                                                                                        | 40         | Taxus x media 'Hicksii'                     | Hicks Yew Hedge         | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| DECIDUOUS SHRUBS - (Height at Time of planting dwarf shrubs - 18 inches / shrubs - 26 inches)             |            |                                             |                         |                       |                                                                 |
| AA                                                                                                        | 5          | Aronia Melanocarp 'Morton'                  | Black Chokeberry        | 30" spr. / 36" ht     | mature height 4' to 6'                                          |
| SC                                                                                                        | 9          | Sambucus Canadensis                         | Elderberry              | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 5'-12')                  |
| FI                                                                                                        | 11         | Forsythia x intermedia                      | Border Forsythia        | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| VT                                                                                                        | 19         | Viburnum Trilobum                           | American Cranberry Bush | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| ORNAMENTAL GRASS                                                                                          |            |                                             |                         |                       |                                                                 |
| CP                                                                                                        | 46         | Carex Pensylvanica                          | Sedge                   | 1ft spread / 1gal     | ground cover (mature hgt. 6" - 12")                             |
| SA                                                                                                        | 68         | Sesleria Autumnalis                         | Autumn Moor Grass       | 1ft spread / 1gal     | mature height 8" - 12"                                          |
| PERENNIALS, GROUNDCOVERS - (plants in mulch beds)                                                         |            |                                             |                         |                       |                                                                 |
| SN                                                                                                        | 146        | Salvia Nemorosa                             | New Dimension Blue      | 30" spr. / 1gal. pots | perennials mature height 2'                                     |
| EP                                                                                                        | 52         | Echinacea purpurea                          | Purple Coneflower       | 18" spread / 2/pots   | perennials                                                      |
| LS                                                                                                        | 108        | Liatris Spicata                             | Blazing Star            | 18" spread / 2/pots   | perennials                                                      |
| AL                                                                                                        | 171        | Allium Lustanicum                           | Allium 'Summer Beauty'  | 30" spr. / 1gal. pots | perennials                                                      |
| WF                                                                                                        | 160        | Waldsteinia Fragaroides                     | Barren Strawberry       | 18" spread / 2/pots   | perennials                                                      |
| RS                                                                                                        | 150        | Rudbeckia Speciosa                          | Black-eyed Susan        | 18" spread / 2/pots   | perennials                                                      |
| PY                                                                                                        | 151        | Pycnanthemum Tenuifolium                    | Slender Mountain Mint   | 1ft spread / 1gal     | ground cover                                                    |


 5 GROUND COVER PLANTING DETAIL  
 SCALE: 3/8" = 1'-0"

 2 ORNAMENTAL TREE PLANTING DETAIL  
 SCALE: 1/4" = 1'-0"

 4 Light Post Foundation  
 SCALE: 1/2" = 1'-0"

 6 LARGE SHRUB PLANTING DETAIL  
 SCALE: 1/4" = 1'-0"

 3 RATED DEMISING PARTITION  
 SCALE: 1/4" = 1'-0"

- GENERAL NOTES**
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT /OWNER IMMEDIATELY OF ANY DISCREPANCIES, OBSTACLES AND/OR PROBLEMS.
  - VERIFICATION OF DIMENSIONS AND GRADES, BOTH EXISTING AND PROPOSED, SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES.
  - ALL SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM STRUCTURES. SURFACE DRAINAGE SHALL BE DIRECTED TO EXISTING CATCH BASINS DESIGNATED FOR THE COLLECTION OF SURFACE RUN-OFF.
  - CONTRACTOR SHALL NOTIFY OWNER OF ANY UNDESIRABLE DRAINAGE CONDITIONS AND RECOMMEND SUITABLE SOLUTIONS. WHERE NECESSARY TO ACHIEVE PROPER DRAINAGE, UNDER DRAINAGE FOR TREE PITS SHALL BE INSTALLED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
  - LANDSCAPE CONTRACTOR SHALL REPAIR IN KIND ALL AREAS DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS.
  - ALL TREE AND SHRUB BEDS TO RECEIVE A MINIMUM 2" OF SHREDDED HARDWOOD MULCH.
  - ALL GROUND COVER/ PERENNIAL BEDS TO RECEIVE A MINIMUM 2" OF MUSHROOM COMPOST.
  - SIZES SHOWN ON PLANTING PLAN ARE MINIMUM ACCEPTABLE SIZES.
  - LANDSCAPE CONTRACTOR SHALL WARRANT ALL TREES, SHRUBS, VINES, GROUNDCOVERS AND PERENNIALS UNDER THIS CONTRACT WILL BE HEALTHY AND IN FLOURISHING CONDITION OF ACTIVE GROWTH ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
  - SOIL TO BE USED FOR THE PLANTING MEDIUM FOR THE PROJECT SHALL BE FERTILE, WELL DRAINED, OF UNIFORM QUALITY, FREE OF STONES OVER 1" IN DIAMETER, STICKS, OILS, CHEMICALS, PLASTER, CONCRETE AND OTHER DELETERIOUS MATERIALS.
  - THE LANDSCAPE CONTRACTOR SHALL PREPARE PLANTING BEDS BY ADDING SOIL AMENDMENTS TO TOPSOIL MIX IN THE FOLLOWING QUANTITIES: TOPSOIL MIX FOR TREES AND SHRUBS SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART PEAT, AND ONE (1) PART SAND. TOPSOIL MIX FOR PERENNIALS, BULBS, AND GROUND COVERS SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART SAND AND TWO (2) PARTS DECOMPOSED MUSHROOM COMPOST. SOIL SHALL MEET THE FOLLOWING REQUIREMENTS: SOIL COMPOSITION 45-77% SILT, 0-25% CLAY, 25-35% SAND; SOIL ACIDITY: Ph 6.0-7.0; SOIL ORGANIC CONTENT: THREE (3) TO FIVE (5) PERCENT.
  - ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINER GROWN AS SPECIFIED ON PLANTING PLAN. ALL PLASTIC ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED. LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREES AND PLANTING BED LINES AND HAVE LAYOUT APPROVED BY LANDSCAPE ARCHITECT/OWNER PRIOR TO PLANTING. WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. FLOOD PLANTS TWICE DURING FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.
  - ALL NEW AND TRANSPLANTED PLANTS TO BE SPRAYED WITH AN ANTIDESSICANT WITHIN TWENTY FOUR HOURS AFTER PLANTING. ANTI-TRANSPIRANT SHALL BE EQUAL TO "WILTPROOF."
  - ALL MUD SHALL BE REMOVED FROM ALL TIRES BEFORE LEAVING THE SITE AND ROADS SHALL BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.
  - ALL GRASS AREAS SHALL BE 6 INCHES OF TOPSOIL AND KENTUCKY BLUEGRASS SOD.


 1 LANDSCAPE PLAN  
 SCALE: 1" = 20'-0"





NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

PROJECT # 2313  
DATE: 03/17/23

|              |          |                  |
|--------------|----------|------------------|
| △            | 04.26.23 | ZONING REVISIONS |
|              | 03.17.23 | ZONING REVIEW    |
| ▲            |          | REVISIONS        |
| DRAWN BY:    |          | RAM              |
| APPROVED BY: |          | GCN / MAM        |
| SCALE:       |          | AS NOTED         |
| DESCRIPTION: |          | FLOOR PLAN       |

SHEET NO.  
A-2.1

NERO  
ARCHITECTS

6400 N NORTHWEST HWY  
SUITE 4  
CHICAGO, IL 60631  
TEL 847.825.9400







PROJECT # 2313  
DATE: 03/17/23

NEW AUTOMATED CARWASH FACILITY

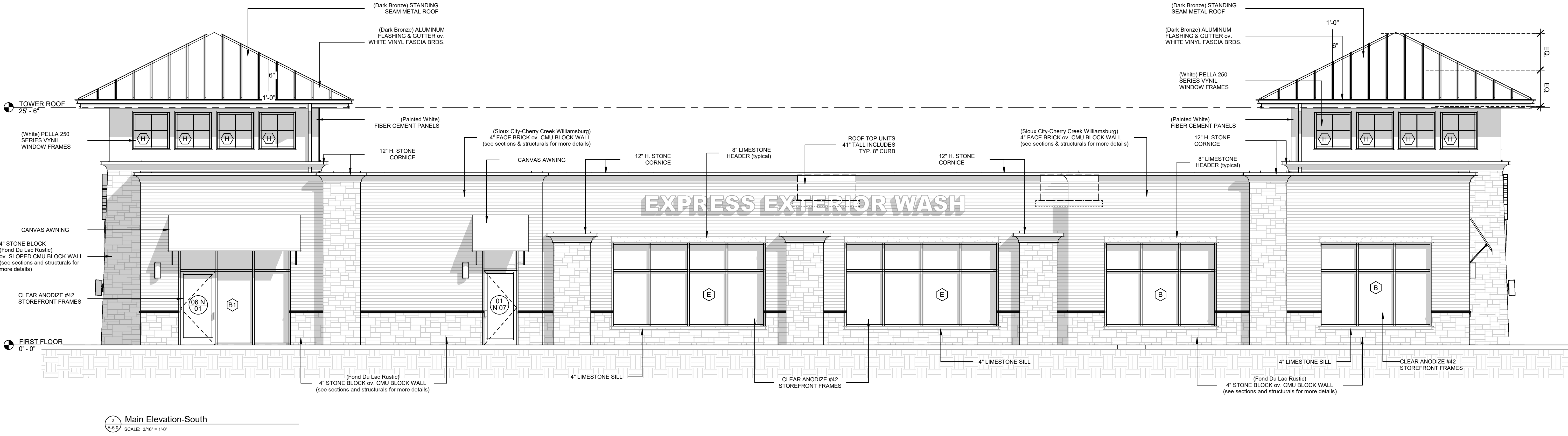
2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

Attachment: EXHIBIT - Architectural Drawings & Floor Plan (2239 N. Rand Road - SU Car Wash)

|              |                  |
|--------------|------------------|
| 04.26.23     | ZONING REVISIONS |
| 03.17.23     | ZONING REVIEW    |
|              | REVISIONS        |
| DRAWN BY:    | RAM              |
| APPROVED BY: | GON / MAM        |
| SCALE:       | AS NOTED         |
| DESCRIPTION: | MAIN ELEVATIONS  |

SHEET NO. A-5.0



Primary Materials

Face Brick & Stone Block (64%)

Accent Material

Fiber Cement Panels (8.6%)

A minimum of 35% shall be transparent Ground Level :  
Ground level shall be defined to be between  
2'-0" & 8'-0" measured vertically from the adjacent grade.  
**Proposed Transparent = 45% (of Ground Level)**  
Ground Level Zone = 903.94 sq. ft.  
Transparent Elements = 408.21 sq. ft.

Tower Roofs

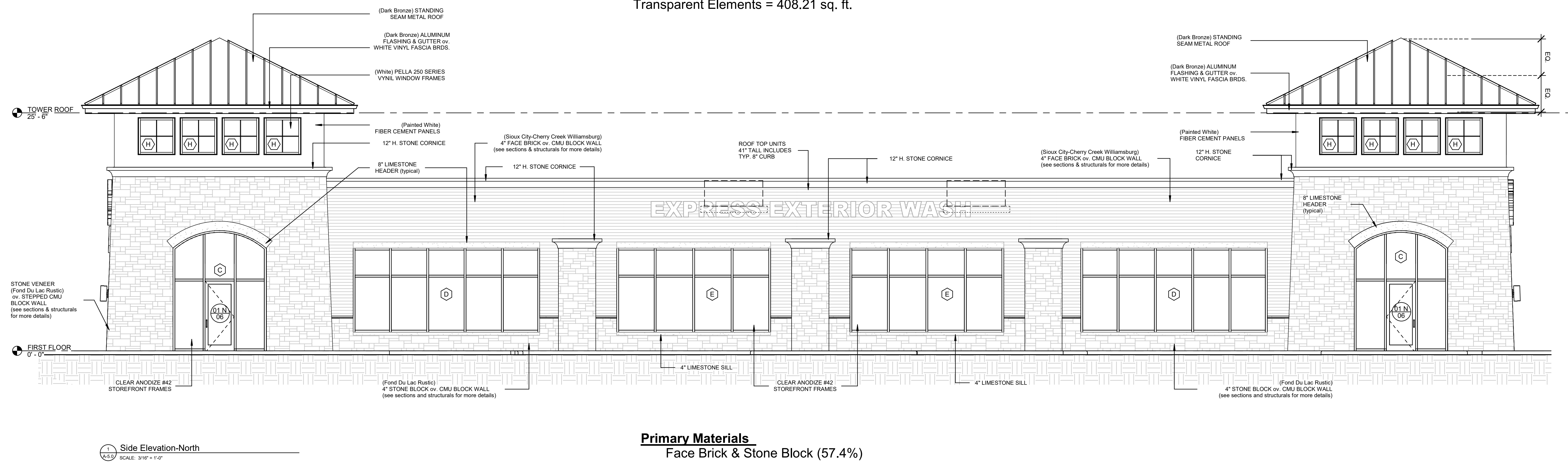
Metal-(Dark Bronze)

Main Body of Building

4" Face Brick - (Sioux City-Cherry Creek Williamsburg)  
4"- 5" Stone Block (Fond Du Lac Rustic)

Accent Walls - Upper Tower Walls

Fiber Cement Panels (White)



Primary Materials

Face Brick & Stone Block (57.4%)

Accent Material

Fiber Cement Panels (8.6%)



PROJECT # 2313  
 DATE: 03/17/23

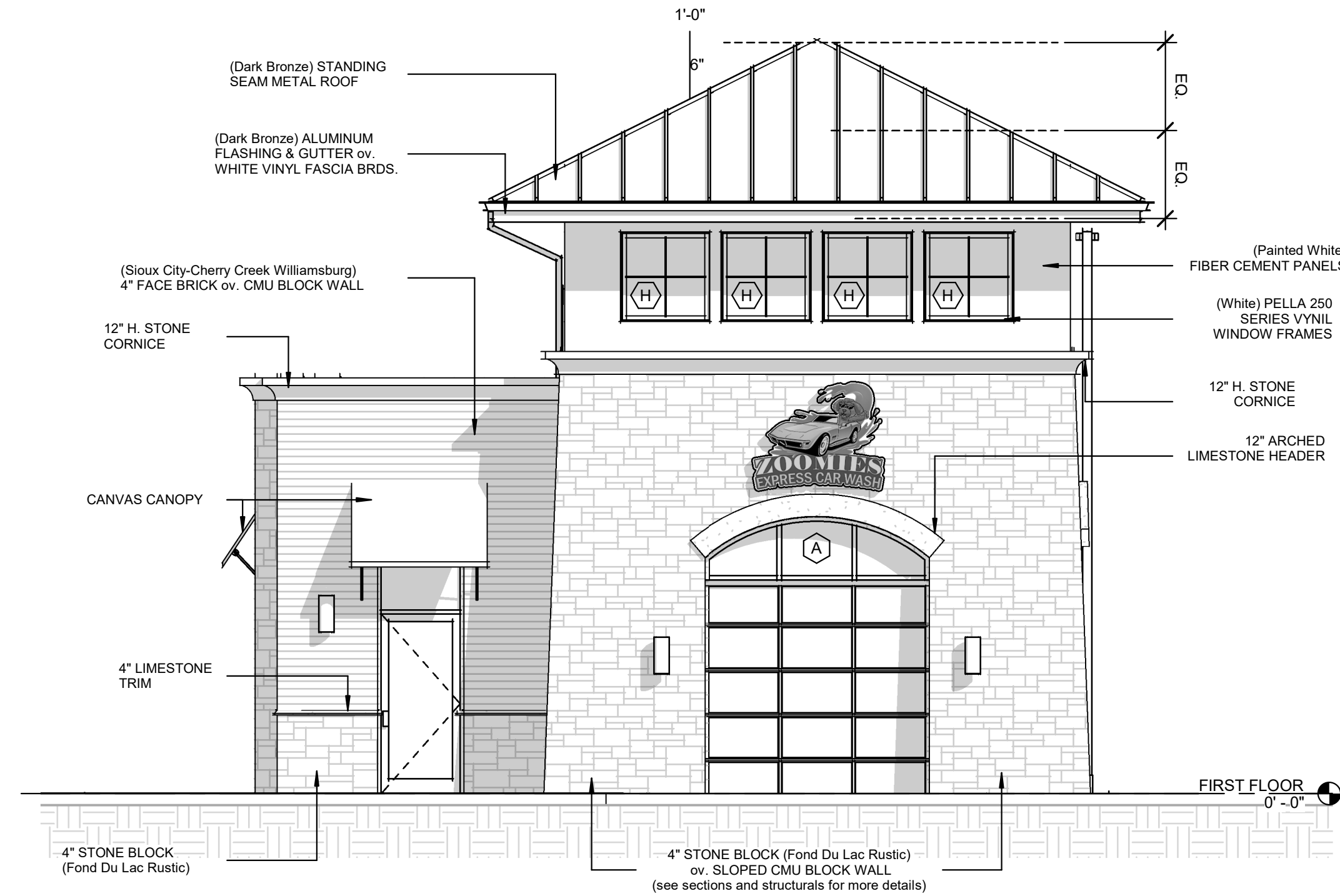
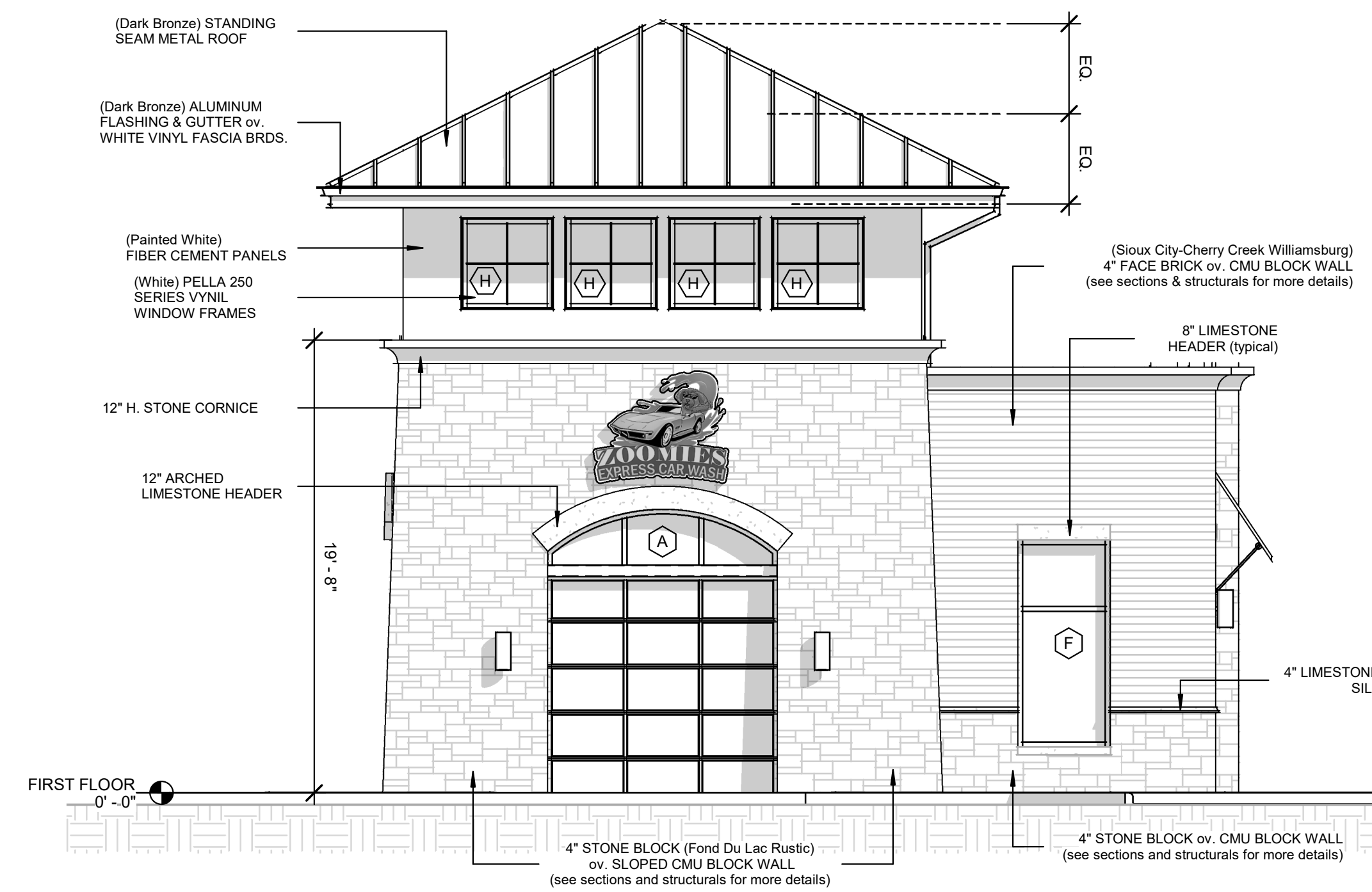
**NEW AUTOMATED CARWASH FACILITY**

 2239 N. RAND ROAD PALATINE,  
 ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

Attachment: EXHIBIT - Architectural Drawings &amp; Floor Plan (2239 N. Rand Road - SU Car Wash)

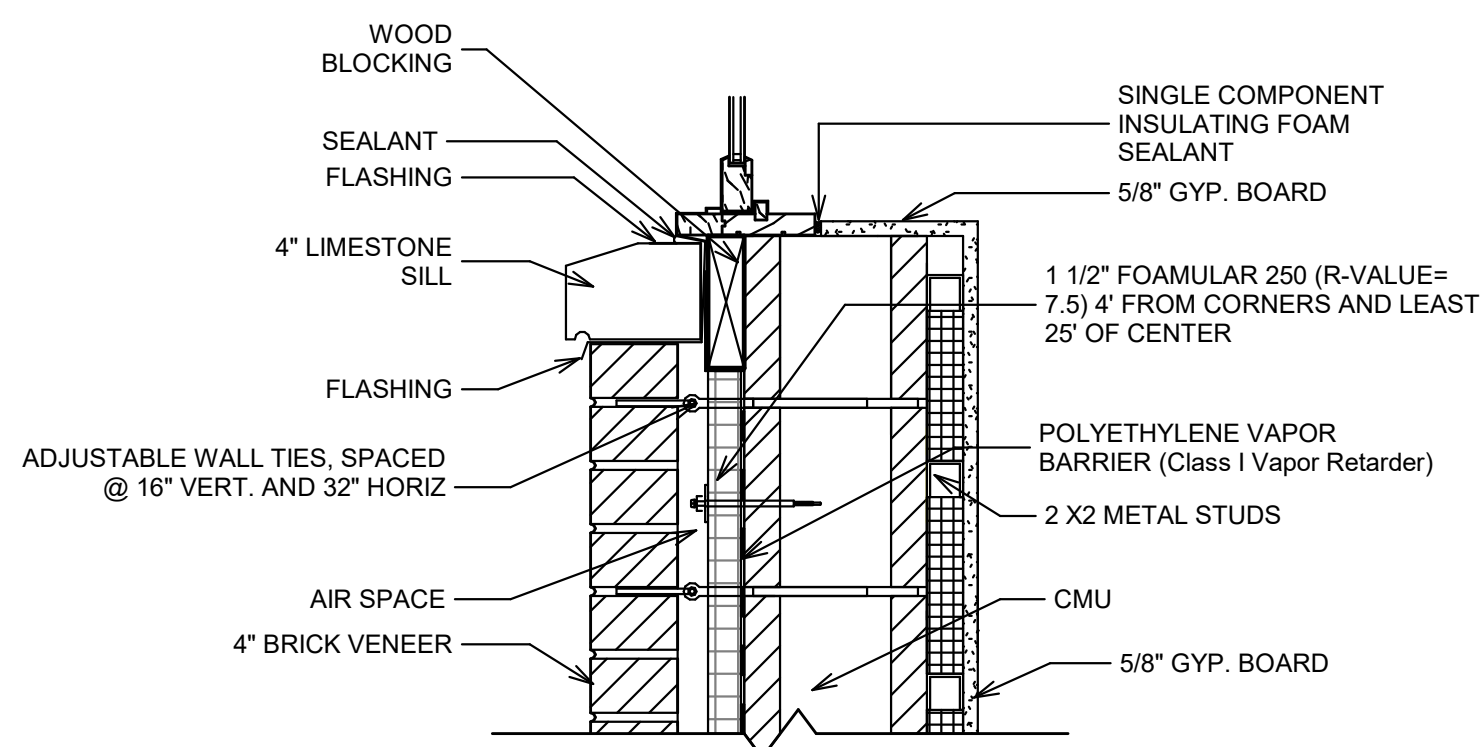
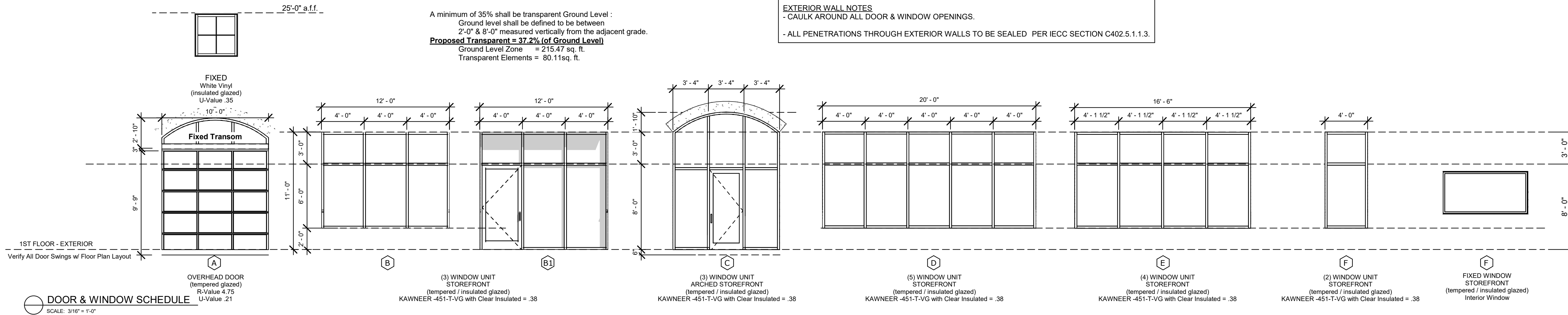
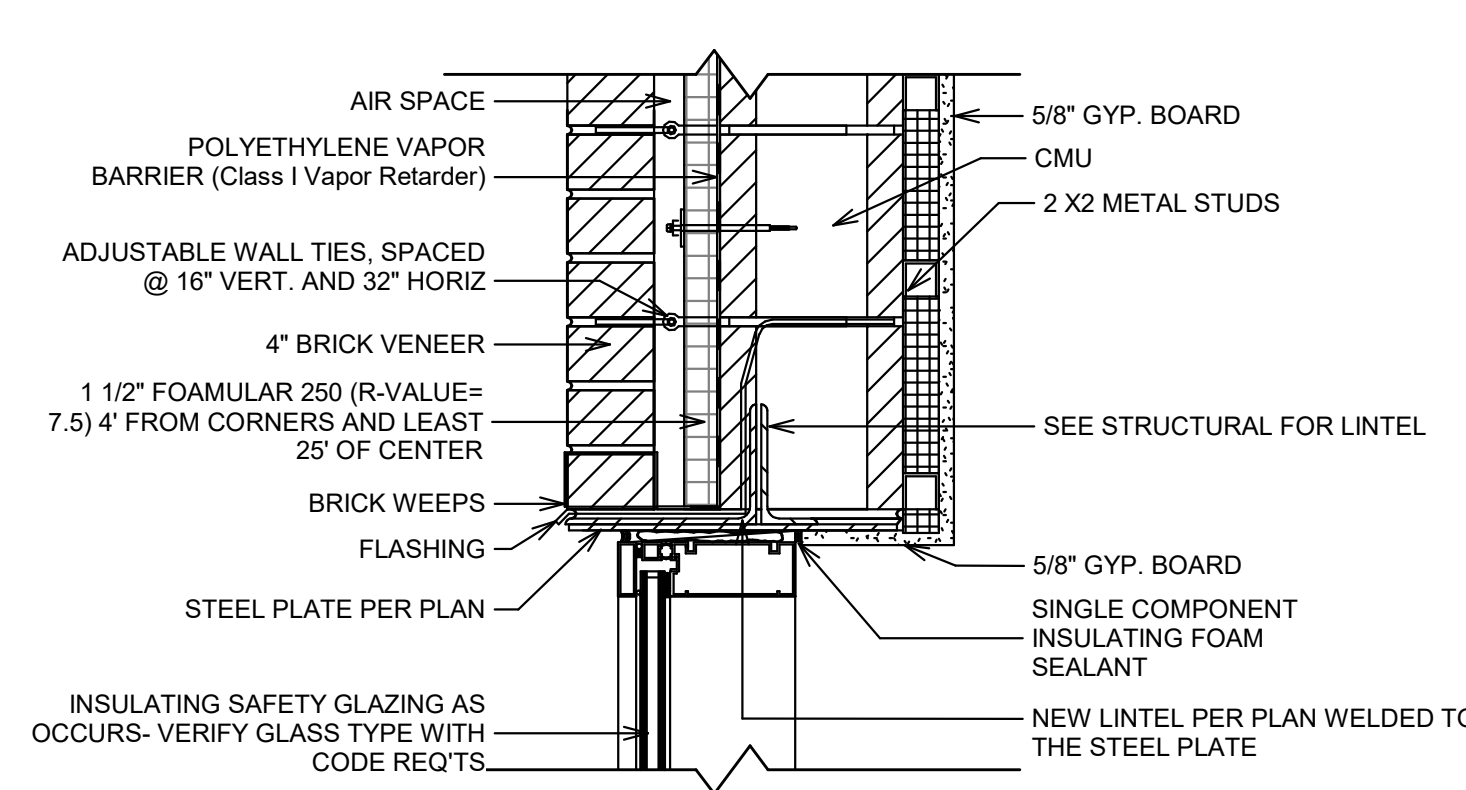
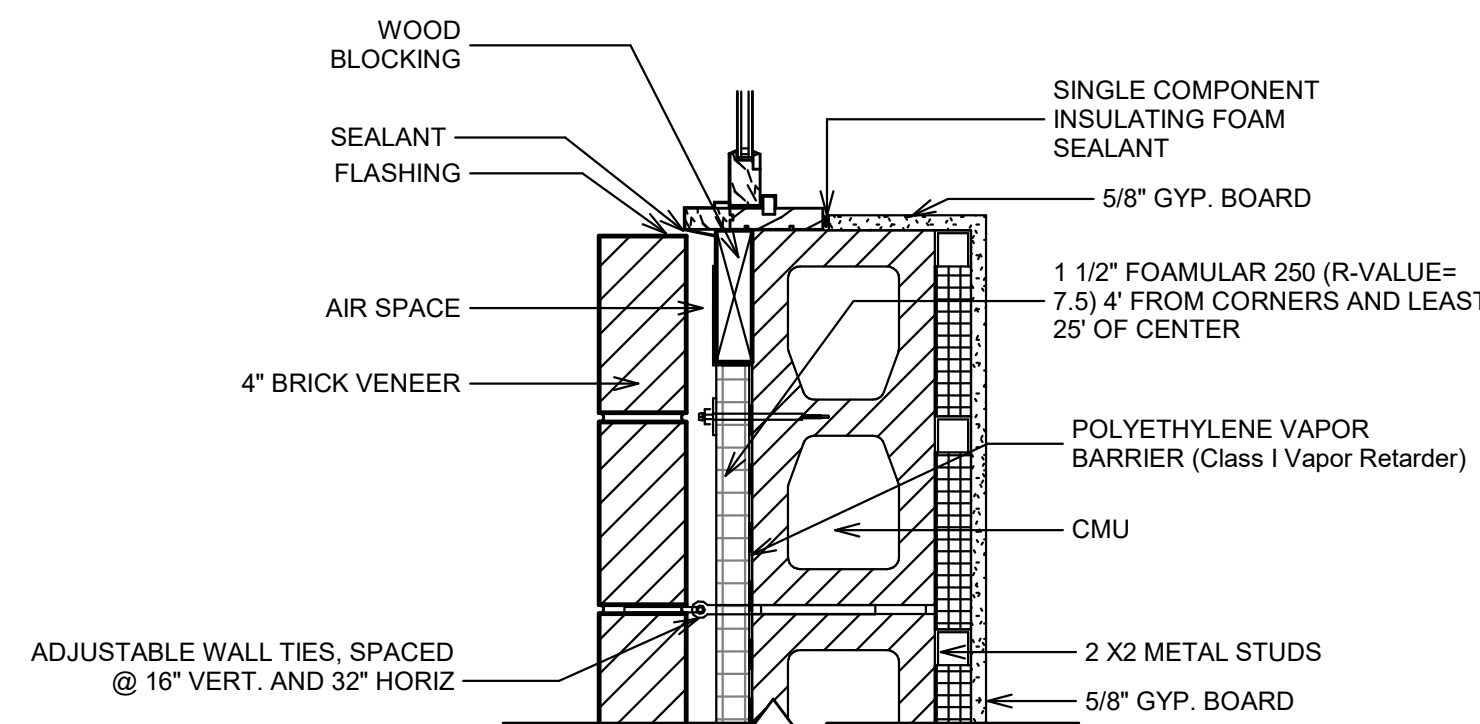
|                     |                                 |
|---------------------|---------------------------------|
| 04.26.23            | ZONING REVISIONS                |
| 03.17.23            | ZONING REVIEW                   |
| <b>REVISIONS</b>    |                                 |
| <b>DRAWN BY:</b>    | RAM                             |
| <b>APPROVED BY:</b> | GCN / MAM                       |
| <b>SCALE:</b>       | AS NOTED                        |
| <b>DESCRIPTION:</b> | MAIN ELEVATIONS & WINDOW SCHDL. |
| <b>SHEET NO.</b>    | A-5.1                           |

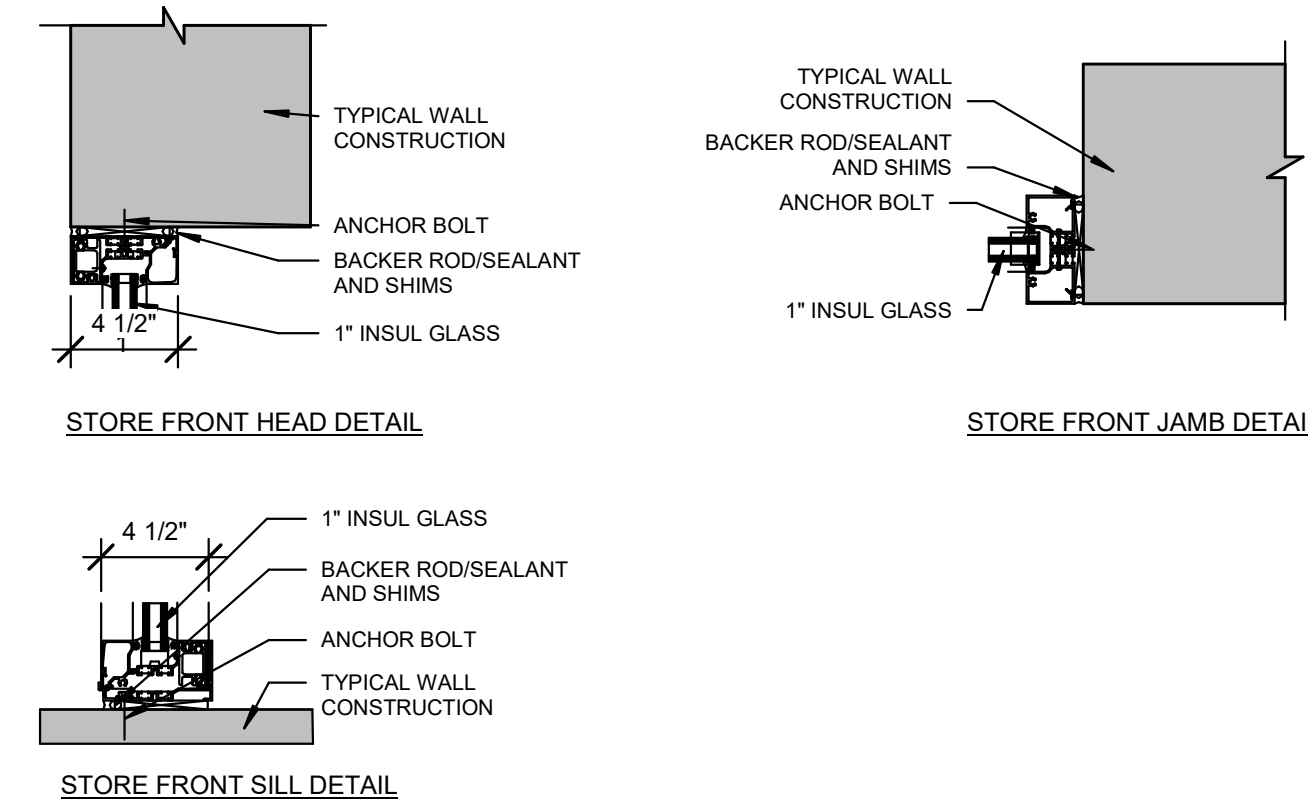

 Entry Elevation  
 SCALE: 3/16" = 1'-0"

 Exit Elevation  
 SCALE: 3/16" = 1'-0"

**Primary Materials**  
 Face Brick & Stone Block (65.8%)

**Accent Material**  
 Fiber Cement Panels (15.9%)

**EXTERIOR WALL NOTES**  
 - CAULK AROUND ALL DOOR & WINDOW OPENINGS.  
 - ALL PENETRATIONS THROUGH EXTERIOR WALLS TO BE SEALED PER IECC SECTION C402.5.1.1.3.

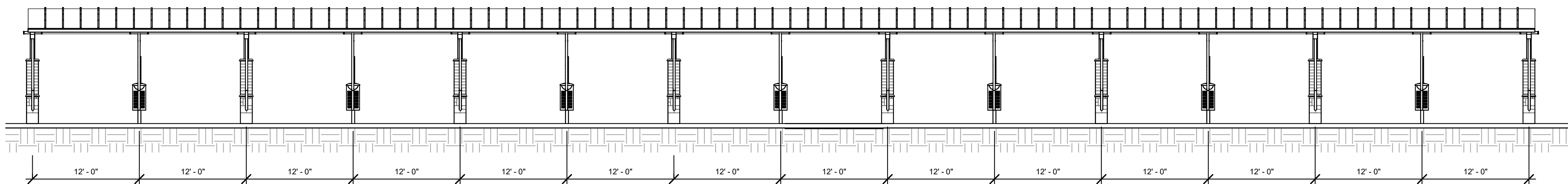
 A minimum of 35% shall be transparent Ground Level :  
 Ground level shall be defined to be between  
 2'-0" & 8'-0" measured vertically from the adjacent grade.  
**Proposed Transparent = 37.2% (of Ground Level)**  
 Ground Level Zone = 215.47 sq. ft.  
 Transparent Elements = 80.11sq. ft.

 WINDOW SILL DETAIL - brick veneer  
 SCALE: 1 1/2" = 1'-0"

 WINDOW HEADER DETAIL - brick veneer  
 SCALE: 1 1/2" = 1'-0"

 WINDOW JAMB DETAIL - brick veneer  
 SCALE: 1 1/2" = 1'-0"

**INTERIOR STOREFRONT DETAILS**










This architectural section drawing illustrates a two-story building with a long, narrow corridor. The drawing is divided into two horizontal sections, likely representing the first and second floors. The corridor is defined by a series of vertical columns, with a consistent spacing of 12'-0" indicated by dimension lines at the top and bottom. The columns are represented by vertical lines, and the floor slabs are shown as horizontal lines. A central staircase is depicted in the middle of the corridor, with a curved wall on one side. The drawing includes symbols for accessibility, such as wheelchair icons, and a hatched area indicating a structural core or elevator shaft. The overall layout is symmetrical, with the corridor running horizontally across the drawing.

## NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

PERMIT REVIEW - NOT FOR CONSTRUCTION

|                                                                                       |                      |                  |
|---------------------------------------------------------------------------------------|----------------------|------------------|
|  | 04.26.23             | ZONING REVISIONS |
|                                                                                       | 03.17.23             | ZONING REVIEW    |
|  |                      | REVISIONS        |
| DRAWN BY:                                                                             | RAM                  |                  |
| APPROVED BY:                                                                          | GCN / MAM            |                  |
| SCALE:                                                                                | AS NOTED             |                  |
| DESCRIPTION:                                                                          | LOGO, VACUUM STATION |                  |

SHEET NO.

## A-7.1

**NERI**  
ARCHIT

6400 N NORTHWEST HWY  
SUITE 4  
CHICAGO IL 60631  
TEL 847.825.9400

Packet Pg. 37





Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-1

1 ARIAL VIEW LOOKING SOUTHEAST  
Z-1 SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-2

1  
2-2 ARIAL VIEW LOOKING EAST  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313

03/17/23

Z-3

1 ARIAL VIEW LOOKING SOUTH  
Z-3

SCALE: 12" = 1'-0"

## New Automated Car Wash Facility

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074

**NERI**  
ARCHITECT

6400 N. NORTHWEST  
SU  
CHICAGO, ILL.  
TEL 847.825





2313

03/17/23

Z-4



GENERAL VIEW LOOKING NORTH

SCALE: 1/2" = 1'-0"

## New Automated Car Wash Facility

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)



Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313

03/17/23

Z-5



VIEW LOOKING WEST

SCALE: 1/2" = 1'-0"

## New Automated Car Wash Facility

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074

**NERI**  
ARCHITECT

6400 N. NORTHWEST  
SU  
CHICAGO, ILL.  
TEL 847.825





Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-6

1 VIEW LOOKING NORTH  
Z-6 SCALE: 1/2" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074





2313  
03/17/23  
Z-7

1  
2-7 VIEW LOOKING EAST  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)





Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-8

1  
Z-8 VIEW LOOKING SOUTH  
SCALE: 1/2" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-9

VACUUM STATION VIEW LOOKING  
NORTHEAST  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







Attachment: EXHIBIT - Site Renderings (2239 N. Rand Road - SU Car Wash)

2313

03/17/23

Z-10

1 VACUUM STATION VIEW LOOKING EAST  
Z-10 SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



**VILLAGE OF PALATINE**  
**Planning and Zoning Commission**

**SCHEDULED 05/23/23 07:00 PM**

**STAFF REPORT (ID # 8380)**

## 2239 N. Rand Road

**TO:** Palatine Planning and Zoning Commission  
Jan Wood, Chair

**FROM:** Alex Bradshaw

**PETITIONER:** Alan Jacob (Car Wash Pro Designers) / Krisch Capital Partners, LLC

**PLAN NUMBER:** SU-000029-2023

**ADDRESS:** 2239 & 2251 N. Rand Road

**PROPOSAL:**

Special Use to permit an automotive laundry at the subject property.

|                                                                            |                                                             |
|----------------------------------------------------------------------------|-------------------------------------------------------------|
| <b><u>LOCATION:</u></b> 2239 & 2251 N. Rand Road<br>District 3 (Myslinski) | <b><u>CURRENT ZONING:</u></b> B-5 Highway Business District |
|----------------------------------------------------------------------------|-------------------------------------------------------------|

**SURROUNDING CONDITIONS:**

|               |                                                                          |
|---------------|--------------------------------------------------------------------------|
| <b>North:</b> | P - Planned Development (Hyundai of Palatine)                            |
| <b>South:</b> | B-5 Highway Business District (Enterprise rent-a-car)                    |
| <b>East:</b>  | R-1 Single-Family Residential (International Auto Brokers & Sales Corp.) |
| <b>West:</b>  | P - Planned Development (The AutoNation Chicago - Used Auto Sales)       |

**BACKGROUND:**

The Petitioner is proposing to demolish the existing structure on the property and redevelop the site to construct a drive-through touchless car wash ("Zoomies Express Car Wash"), which will include a covered bay of vacuums. Therefore, the Petitioner is requesting:

**Special Use to permit an automotive laundry at the subject property.**

**SITE ANALYSIS:**

- The Subject Property is zoned B-5 Highway Business District (specific zoning district designation for properties along Rand Road/U.S. Route 12) and is located southeast of the Hyundai of Palatine car dealership at the intersection of Rand and Lake Cook Roads. The approximately 3-acre lot currently consists of a two-story office building and

Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



general business occupancy for Brown Tree Service and Central Sod Farms, Inc. This property was annexed from unincorporated Cook County in 2007.

- When the Patrick Hyundai redevelopment received Planned Development and Subdivision approval in 2012, Staff included a condition which required a cross access easement for the Subject Property to gain access through to Lake Cook Road. Subject to the applicable declarations and a maintenance agreement, the proposed car wash will have access through to Lake Cook Road through the now Hyundai of Palatine property to Lake Cook Road. This condition reflected a goal of the Comprehensive Plan (Rand Road Sub Area) to limit the number of curb cuts onto Rand Road and in recognition of IDOT's right-of-way control on Rand Road.
- The Petitioner is requesting a Special Use to construct and open an automobile laundry facility (Car Wash). The proposal includes demolishing the existing structures and redeveloping the entire site. The proposed car wash includes a bay of covered vacuums (27 total bays) and ample car stacking space along the south side of the proposed building.
- The narrative and business plan submitted by the Petitioner explain that the car wash will be designed to have a vehicle complete the entire process, from point of sale to the gate opening at the end of the wash, in under 2 minutes. During peak service times it is expected that a vehicle exits the wash every 20 seconds.
- The Petitioner also presented a sound study from another suburb, as additional background. Its relevance to this location is that the study measured decibel readings for the exact equipment to be installed in Palatine. The study confirms that the equipment's decibel output is below the State of Illinois standards for commercial properties. The car wash also includes speed doors to further manage the car wash operations.
- The proposed elevations are a combination of face brick and stone block, with limestone sills, and fiber cement panels. The tower roofs are of a dark bronze metal material.
- Hours of Operation:
  - Summer: 7 AM - 9 PM
  - Winter: 8 AM - 8 PM
  - Weekends (all year): 8 AM - 7 PM on Saturdays & 8 AM - 5 PM on Sundays
- The submitted operations' plan indicates that, although the entire system is automated, the facility would have a minimum of 3 employees always present at the facility. During peak hours there could be a maximum of 6 employees. As part of their application the Petitioner submitted a photometric plan, which illustrates minimal to no impact from light pollution on the surrounding properties.
- Per Code, within the B-5 zoning district a single user lot that exceeds 2 acres in lot area is permitted to have 2 free standing signs. The Petitioner has indicated that one of these signs could occupy part of the existing monument sign near the subject property's

northern side lot line (sign is also occupied with Starbucks Drive-Thru sign). Any reuse of this sign would be subject to a sign easement and maintenance agreement with the property owner to the north and in a manner acceptable to the Village Attorney.

- The Petitioner has also proposed to reuse the existing freestanding sign located toward the northeastern end of the property, with visibility from Lake Cook Road.
- Per the submitted architectural plans, the total proposed attached building signage equates to approximately 171 square foot (“Express Exterior Wash” & “Zoomies Express Car Wash”). The maximum total permitted signage for a B-5 single user lot exceeding 2 acres in lot size, with the lot frontage on Lake Cook Road included, is 800 square feet when calculated at 2 square feet for each linear foot of lot frontage.

#### **DEPARTMENTAL REVIEWS:**

|                             |                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Community Services</b>   | A cross access maintenance agreement, subject to the declarations for the Patrick Hyundai Subdivision will be required addressing the cross-access drive and freestanding sign maintenance. |
| <b>Engineering</b>          | No Issues Identified.                                                                                                                                                                       |
| <b>Environmental Health</b> | N/A                                                                                                                                                                                         |
| <b>Fire Prevention</b>      | No Issues Identified.                                                                                                                                                                       |
| <b>Public Works</b>         | N/A                                                                                                                                                                                         |
| <b>Police</b>               | N/A                                                                                                                                                                                         |

**STANDARDS FOR SPECIAL USE:** Since this Petition is not for a use publicly operated or traditionally affected with the public interest, those standards under Section 14.05 D (2) and (3) are applicable. Specifically, the Petitioners must show that the Special Use, if granted, is so designed, located, and proposed to be operated that the public health, safety, and welfare will be protected and will not cause substantial injury to the value of other property in the neighborhood in which it is located. The Petitioners have attempted to address the required standards.

#### **STAFF RECOMMENDATION:**

The Petitioner is proposing to redevelop the subject property into an automotive laundry facility. The subject property is within the B-5 Highway Business District and is approximately 850 feet from the nearest residential development. Secondary access for this property was contemplated with the redevelopment of the Hyundai property and subsequent Starbucks and Bloc dispensary on Lake Cook Road to provide unified access for these properties. This redevelopment improves the site and the use is compatible with the adjacent auto sales’ uses in the area. Additionally, the site complies with the other bulk zoning requirements. Therefore, Staff recommends approval of the Special Use, subject to the following conditions:



1. The Special Use shall substantially conform to the Site Plans, Floor Plans, and Elevations submitted by the Petitioner, Krisch Capital Partners, LLC, except as such plans may be changed to conform to Village Codes and Ordinances.
2. Any improvements to the existing freestanding sign, located within the US Army Corps. of Engineers "No Build" Limit, shall be submitted in a manner acceptable to the Village Engineer and Director of Planning and Zoning.
3. A license agreement and maintenance agreement addressing the cross-access easement driveway and sign maintenance shall be submitted in a manner acceptable to the Village Attorney.

**ATTACHMENTS:**

- Aerial Map
- Special Use Application
- Narrative and Business Plan
- Site Plan
- Architectural & Landscaping Plans
- Rendering
- Noise Impact Study - Village of Mundelein IL - same proposed equipment for the Subject location
- 2012 - Patrick Hyundai SUB Resolution
- Photometric Plan
- Public Notice
- Plat of Survey





0 300 600  
ft

Print Date: 3/24/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.





## SPECIAL USE APPLICATION

### Department of Planning & Zoning

200 E. Wood Street • Palatine, IL • 60067-5339  
 Telephone: (847) 359-9047 • Fax (847) 963-6247

Petitioner Name

Krisch Capital Partners, LLC

Business Name (if applicable)

Zoomies Express Car Wash

Subject Property Address

2239 N. Rand Road

Please provide a description of your proposed request:

To obtain a special use and build and operate a state-of-the-art express car wash facility at 2239 N. Rand Road, Palatine, Illinois.

### Petitioner Justification

Special Uses shall not be granted except on findings based upon the evidence in each specific case. Please address the following standards as these will be used in considering the specific relief you are seeking.

That use deemed necessary for the public convenience at that location. Explain:

An express car wash facility would provide a needed and complimentary feature of the commercial corridor along Rand Road, providing one of only two express car wash facilities in Illinois that has a touchless, conveyor belt express car wash facility to provide customers with low profile vehicles, special vehicles, tall vehicles, new vehicles with park asst/autopark systems, and ceramic coating.

The use is designed, located, and proposed to be operated that the public health, safety, welfare will be protected. Explain:

The use, systems and design are to enhance the operation and reduce all risk. The operation proposes to use plant based soaps with no noxious odors, air injected water to reduce water usage. In fact, this design uses less water per wash than a conventional wash. Additionally, the internal traffic design includes clearly marked lanes, stop signs and attendants on site to increase safety. Stacking lanes ensure no traffic will impede the public way.

The use will not cause substantial injury to nearby property values. Explain:

The concept and design of the building includes stone and brick facades, towers, and a modern building look. The machinery and equipment usually associated with a car wash is hidden from plain sight using awnings, stone encasements, and internal equipment rooms within the tunnel system. The design will enhance the value of the nearby commercial properties and their uses.

In order to supplement the above standards, the Zoning Board of may also consider the following:

With respect to front yard fencing and fencing in a rear yard/side yard abutting a street, the following additional standards must be met:

a. Will meet the following aesthetic criteria:

- i. Will not destroy existing vistas in the area;
- ii. Will enhance the appearance of the homes and the streets in the area; and
- iii. Will not detract from the overall appearance of the community; or

b. The fencing is found to be necessary to protect private property or the safety of the inhabitants of the property.

i. the design is such that none of the vistas will be destroyed in the area; ii. the bank-like modern building design will enhance the appearance of the corridor and the adjacent properties; iii. the design will not in any way detract from the overall appearance of the community nor be obvious or obtuse.



## OPERATIONS

The Petitioner seeks to establish an Auto Luxury Spa, sometimes called an Auto Laundry, or Express Car Wash. The proposed facility is unique in structure as it has brick and stone facade, towers, unique lighting and a state-of-the-art tunnel system. The aesthetics are more akin to a modern-day bank rather than an express car wash. The structure is neither a copy or identical in design to any other structure or facility nearby nor is it an anomaly. The height, width, depth, and breadth are not too wide, high, or deep to create a distraction. Rather, the design is made to create the cohesion of a business district and a unified and symmetrical representation of the area. Unique. Elegant. Luxurious.

The proposed operating hours are 7:00AM-9:00PM during the summertime and 8:00AM-8:00PM during the winter time. During the weekends, the operating hours would be 8:00AM-7:00PM on Saturday and 8:00AM-5:00PM on Sunday.

Although the entire system is automated, this facility would employ person to be at the facility during normal operating hours. A minimum of 3 employees would be present at the facility at all times with a maximum of 6 during peak hours.

As we are dedicated to cleanliness, our facility must demonstrate that. We train our employees to assign one employee as a rover in the vacuum area. In this area, there are several vacuums and waste bins. Our employees will ensure no trash is left on the grounds, all trash is disposed of in the waste bins and bins are emptied periodically as they fill. Other employees would assist clients in selecting a specific wash-type, answer questions, assist with payment operations, and provide overall management of the facility during operations.

The tunnel system is state-of-the-art. The tunnel is equipped with speed doors on both ends and sophisticated sensor systems to create an efficient and safe operation. The system is belt-fed or conveyor. Unlike a track system requiring a client to line-up the left side of their tire onto a track, place the vehicle in neutral and allow the system to “drag” the vehicle through the wash. Our system allows the client is simply drive onto the conveyor belt. We can accommodate and draw clientele with after-market lift vehicles, larger vehicles, exotic vehicles and vehicles with specialty wheels. The facility shall have an installed payment canopy with ease of use.

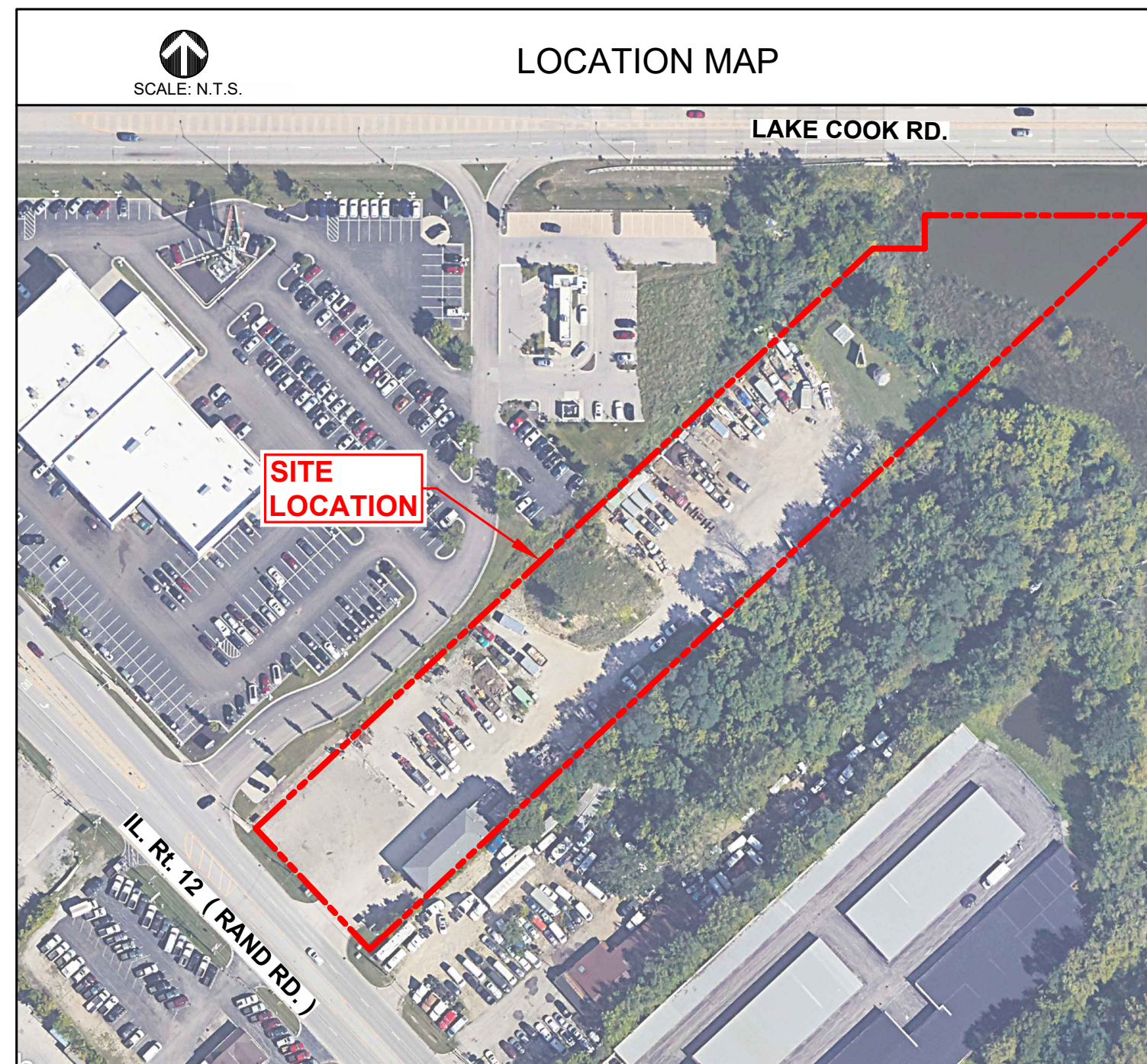
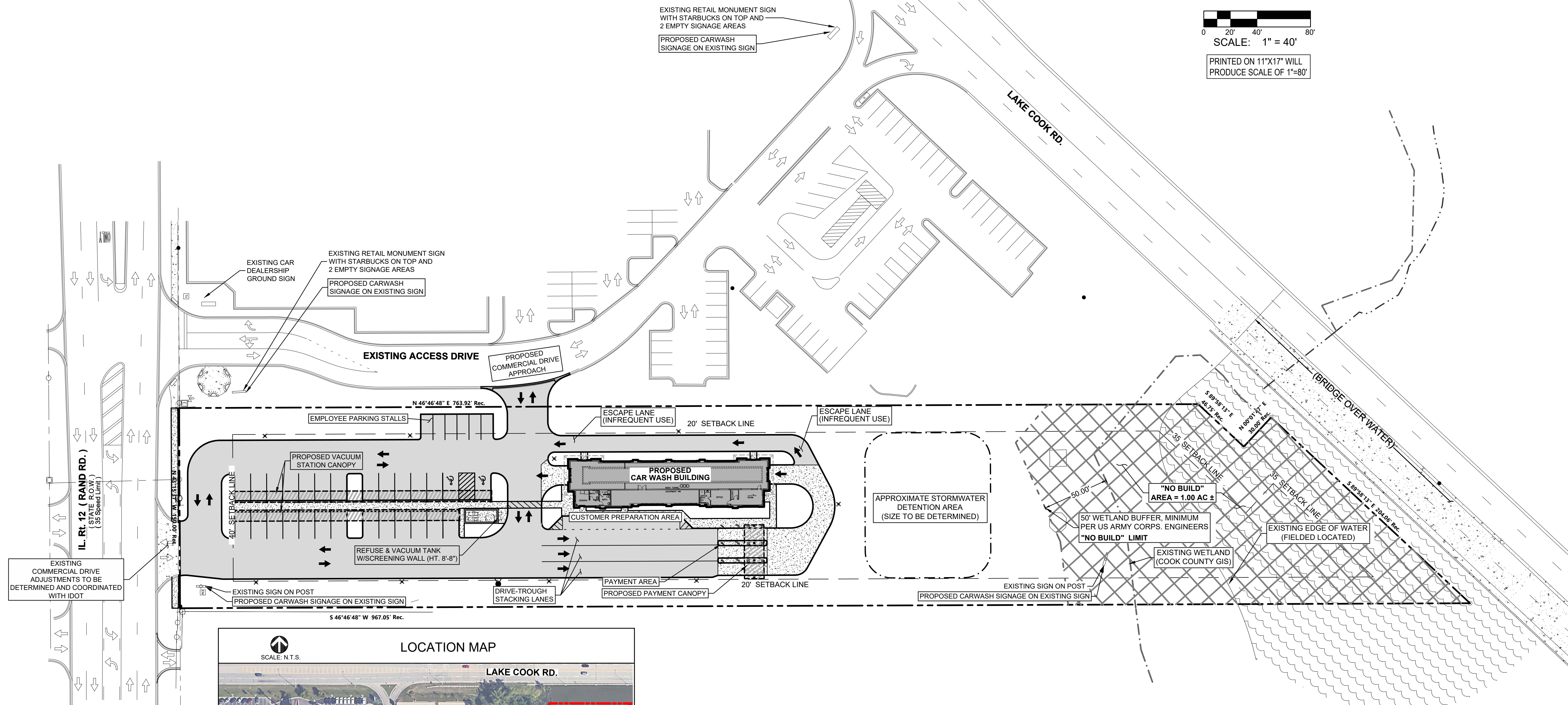
The washing system is extremely efficient. If washing a vehicle in a driveway, an individual may use up to 150 gallons of water. A typical car wash attached to a gas station may use up to 60 gallons of water. Our wash system uses only 15 gallons of water per wash. Additionally, the soap used within the system are non-toxic, water-based, biodegradable, odorless, and environmentally friendly.

To avoid disruption of traffic and to provide a continuous flow from all lanes, the car wash shall be designed to complete the entire process of washing-from the point of sale at gate opening to the exit of the wash-in under two minutes. Finally, the design includes a built-in time-space element so that a vehicle shall exit the wash every 20 seconds.

The ground/land/property upon which the facility shall be constructed and operated creates diversity generally, and in particular, provides coupling and complimentary element to its surroundings. The business corridor of Palatine, Illinois has several commercial properties adjacent to it in their own unique niche. This will be a great complimentary addition. We selected Palatine for its vibrant corridor and easy to maneuver and navigate design.

The Petitioner shall provide phasing of development, encourage inspections by City and County employees to ensure compliance with all codes and ordinances and will provide full cooperation in this very important process. We look forward to working with the Village of Palatine.



**LOT DATA:**

ADDRESS: 2239 N. RAND ROAD  
PALATINE, IL 60074

LOT AREA: 3.208 AC ±

MUNICIPALITY: VILLAGE OF PALATINE

ZONING: B-5 HIGHWAY BUSINESS DISTRICT

PROPOSED USE: CAR WASH (SPECIAL USE)

COUNTY: COOK

PARCEL #: 02-02-102-011-0000

**FLOOD ZONE:**

FEMA:  
X (AREA OF MINIMAL FLOOD HAZARD  
FIRM PANEL 17031C0043J, EFF 8/19/2008

**NOTES:**

- EXISTING IMPROVEMENTS & PROPERTY LINES WAS DRAWN PER CLIENT PROVIDE DOCUMENTS CLIENT PROVIDE DOCUMENTS.
- EXISTING ROADWAY PAVEMENT MARKINGS SHOWN WAS DRAWN FROM GOOGLE AERIALS.
- ALL EXISTING IMPROVEMENTS AND PROPERTY LINES ARE TO BE VERIFIED WITH SURVEY CAD LINEWORK WHEN AVAILABLE.

**LEGEND**

- PAINTED ACCESSIBILITY PARKING SYMBOL
- PROPOSED CONCRETE CURB
- DIRECTIONAL TRAFFIC ARROW
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE

PREPARED FOR:

**CAR WASH**  
Pro Designers  
Design, Development, Consulting

PREPARED BY:

**TERRA**  
CONSULTING GROUP  
600 Busse Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

IL LICENSE #184,004548 EXP. 04/30/2025

| No. | DESCRIPTION          | DATE     |
|-----|----------------------|----------|
| -   | COMPLETE EXHIBIT SET | 03-10-23 |
| -   | ARCHITECTURE UPDATE  | 03-17-23 |
| 1   | ZONING REV #1        | 04-19-23 |

**SITE IMPROVEMENTS**

FOR

**CAR WASH FACILITY**

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074

DESIGNED BY: M.S.E.

DRAWN BY: K.S.B.

DATE: 12/28/2022

PROJECT #: 1622

SHEET TITLE

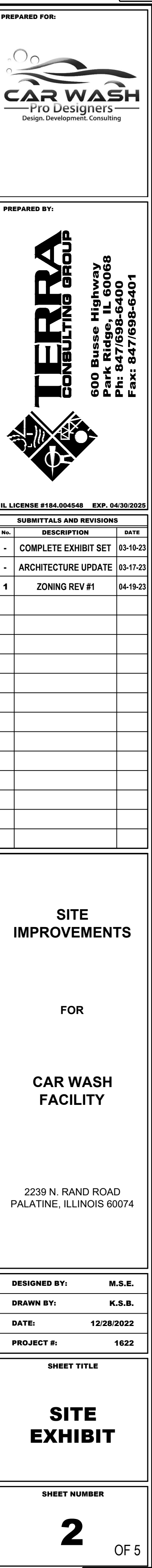
**SITE EXHIBIT  
OVERALL AREA VIEW**

SHEET NUMBER

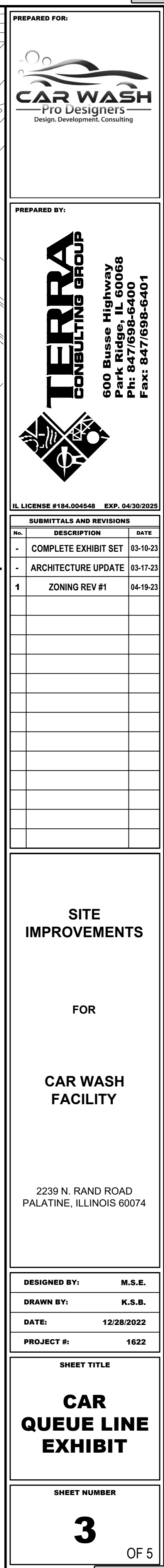
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OF 5

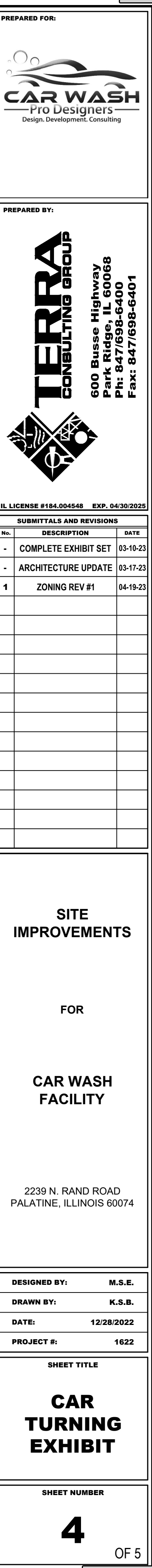




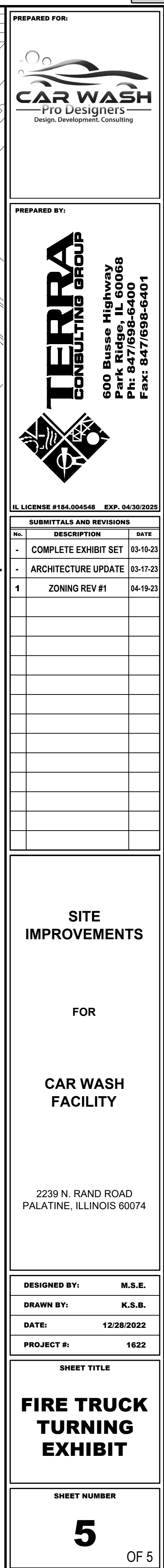














**NERI ARCHITECTS**

LICENSE # 1301070132  
EXPIRATION DATE: MARCH 02, 2023

## An architectural rendering of a Zoomies Pet Services building. The structure is a two-story brick and stone building with a dark roof. A car wash is integrated into the design, featuring a covered area with blue pillars and yellow overhead arms. A silver car is shown in the car wash. The building has large windows and a sign that reads "ZOOMIES" with a cartoon dog logo. Landscaping includes a red tree, green shrubs, and purple flowers. A silver car is parked in the foreground, and a white van is visible in the background.

SCOPE OF WORK: NEW COMMERCIAL BUILDING

**(Building codes have been adopted by the Village of Palatine)**

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL & 2018 ILLINOIS ENERGY CONSERVATION CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2015 INTERNATIONAL EXISTING BUILDING CODE
- 2000 LIFE SAFETY CODE, NFPA 101
- ILLINOIS PLUMBING CODE, LATEST EDITION
- ILLINOIS ACCESSIBILITY CODE, LATEST EDITION

EXISTING USE: COMMERCIAL BUILDING

USE GROUP: "B" - COMMERCIAL CARWASH

**OCCUPANCY LOADS:** 22 (Breakdown on A2-2)

**OCCUPANCY LOADS:** 22 (Breakdown on A2-2)

**BUILDING AREA:** ONE STORY (30'-0")

**CONSTRUCTION TYPE:** IIB / Non-Sprinklered

**PROPOSED BUILDING AREA: 4,983 SQ. FT.**

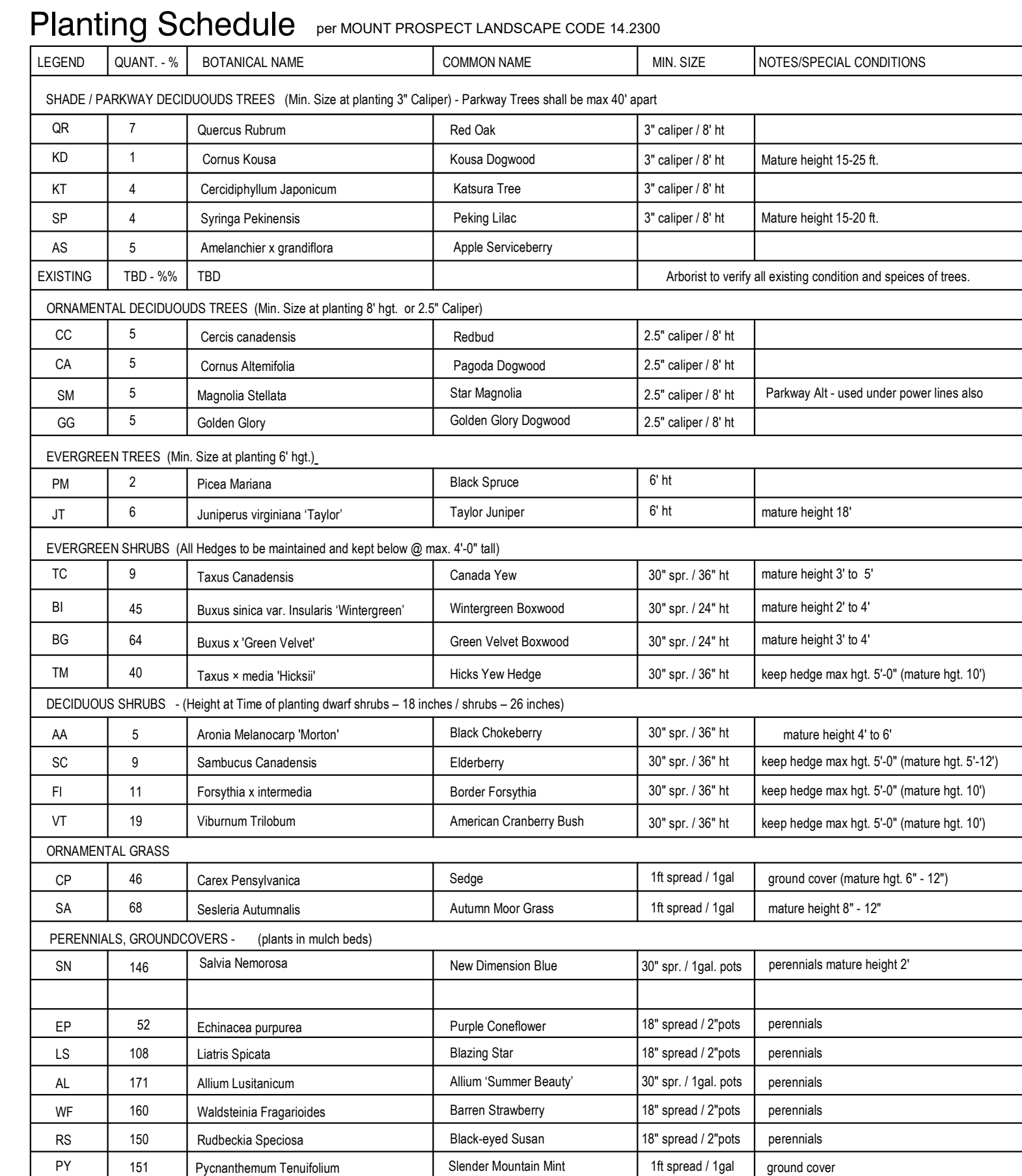
1. ALL CONSTRUCTION SHALL COMPLY WITH INTERNATIONAL BUILDING CODES, OSHA, AND ZONING CODES, VILLAGE OF PALATINE, STATE OF ILLINOIS, AND ALL OF THE UNITED STATES OF AMERICA FEDERAL AGENCY REQUIREMENTS.
2. BEFORE DOING ANY CONSTRUCTION, CONTACT LOCAL ELECTRIC COMPANY AND ASK FOR THE "NEW BUSINESS GROUP". REQUEST AN ONSITE MEETING AND COORDINATION OF PROPOSED WORK. BRING ARCHITECTURAL DRAWINGS AND OBTAIN APPROVAL ON CLEARANCES FOR ALL NEW STRUCTURES BEING BUILT AND/ OR ELECTRIC SERVICE BEING MOVED AND/ OR UPGRADED.
3. BEFORE DOING ANY CONSTRUCTION, CONTACT J.U.L.I.E. TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES WHICH MAY AFFECT PROPOSED SITE WORK. 8-1-1 IS THE NATIONWIDE TOLL-FREE NUMBER FOR LOCATION SERVICES. CALL JULIE'S TOLL-FREE NUMBER 1-800-892-0123.
4. ALL CARWASH EQUIPMENT SHALL BE PROVIDED BY **NATIONAL CARWASH SOLUTIONS (NCS)** AND COORDINATED w/ NERI ARCHITECTS' INFORMATION.
5. ALL REFERENCES TO CODES, SPECIFICATIONS, AND STANDARDS, REFERRED TO IN THE SPECIFICATIONS AND / OR DRAWINGS SHALL MEAN THE LATEST EDITION, AMENDMENT OR REVISION OF SUCH REFERENCE IN EFFECT AS OF THE LATEST DATE OF THE CONTRACT DOCUMENTS.
6. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS, POLICIES, AND PROCEDURES OF THE OWNER.
7. DRAWINGS AND SPECIFICATIONS ARE TO BE ISSUED TO THE SUBCONTRACTORS IN COMPLETE SETS SO THAT THE FULL EXTENT OF WORK IS SHOWN AND COORDINATION OF WORK IS MADE POSSIBLE.
8. ALL WORK SHALL BE OF THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATIONS, MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.
9. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPES OF DETAILING REQUIRED FOR THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED.
10. PROVIDE ALL SHOP DRAWINGS, CATALOG CUTS, SAMPLES, ETC. FOR THE NECESSARY WORK REQUIRED AND FOR ARCHITECTS REVIEW PRIOR TO COMMENCEMENT OF THE WORK.
11. EACH CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL WORK WHICH DIFFERS FROM CONTRACT DOCUMENTS SO THAT ACCURATE RECORD DRAWINGS AND SPECIFICATIONS CAN BE KEPT AND PROVIDED TO THE OWNER AT PROJECT CLOSEOUT.
12. EACH CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THERE OF. FAILURE TO EXAMINE THE SITE AND DETERMINE EXISTING CONDITIONS OR NATURE OF NEW CONSTRUCTION, OR NATURE AND EXTENT OF WORK TO BE PERFORMED BY OTHER TRADES WILL NOT BE CONSIDERED A BASIS FOR GRANTING OF ADDITIONAL COMPENSATION.
13. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
14. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE ELEMENTS FROM DAMAGE DUE TO THE CONSTRUCTION OPERATIONS, AND REPAIR OR REPLACE ANY ELEMENTS DAMAGED DURING THE PROJECT.
15. ANY UTILITY SHUT-OFFS AS REQUIRED BY THE CONTRACTOR FOR COMPLETION OF THEIR WORK SUCH AS ELECTRICAL, GAS, AND / OR WATER SHOULD BE COORDINATED w/ NERI ARCHITECTS' INFORMATION.

|               |                                         |
|---------------|-----------------------------------------|
| TITLE         |                                         |
| T-1.0         | COVERSHEET & PROJECT INFO               |
| CIVIL         |                                         |
| C-1           | TITLE SHEET                             |
| C-2A          | SPECIFICATIONS                          |
| C-2B          | SPECIFICATIONS                          |
| C-3           | EXISTING CONDITIONS & DEMOLITION PLAN   |
| C-4           | GEOMETRIC PLAN                          |
| C-5           | GRADING PLAN                            |
| C-6           | UTILITY PLAN                            |
| C-7           | STORMWATER POLLUTION PREVENTION PLAN    |
| C-8           | STORMWATER POLLUTION PREVENTION DETAILS |
| C-9           | DRAINAGE EXHIBIT                        |
| C-10          | DETAILS                                 |
| C-11          | DETAILS                                 |
| C-12          | DETAILS                                 |
| C-13          | DETAILS                                 |
| GENERAL NOTES |                                         |
| G-1.1         | GENERAL NOTES                           |
| G-1.2         | SITE PLAN                               |
| LANDSCAPE     |                                         |
| L1.1          | LANDSCAPE PLAN                          |
| ARCHITECTURAL |                                         |
| A-2.0         | FOUNDATION PLAN                         |
| A-2.1         | FLOOR PLAN                              |
| A-2.2         | CEILING PLAN                            |
| A-2.3         | ROOF & TOWER PLANS                      |
| A-3.4         | BATHROOM PLANS & ELEVATIONS             |
| A-5.0         | MAIN ELEVATIONS                         |
| A-5.1         | MAIN ELEVATIONS & WINDOW SCHDL.         |
| A-6.0         | BUILDING SECTIONS                       |
| A-6.1         | DETAIL SECTIONS                         |
| A-6.4         | FIRESTOPPING DETAILS                    |
| A-7.0         | SIGNAGE, REFUSE, PAY STATION            |
| A-7.1         | LOGO, VACUUM STATION                    |
| A-8.0         | DOOR SCHEDULE                           |

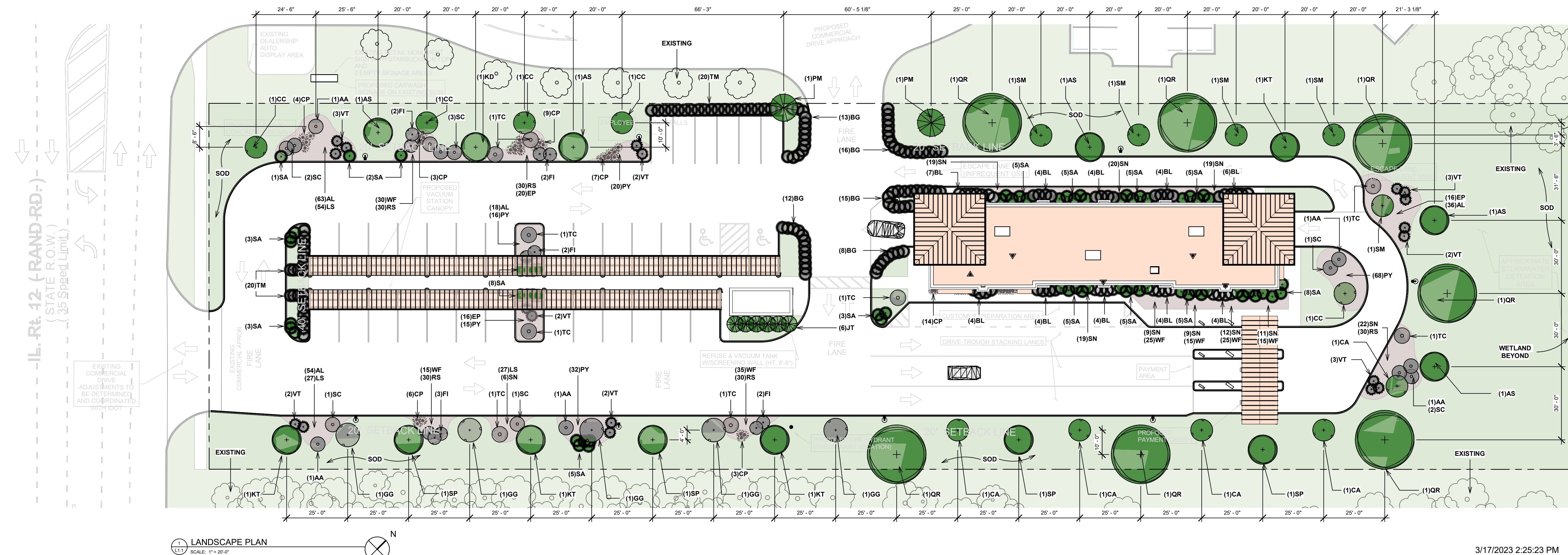
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|------------|----------------------------------|
| STRUCTURAL |                                  |
| S-101      | GENERAL NOTES                    |
| S-201      | FOUNDATION & 1st FLOOR PLAN      |
| S-202      | ROOF FRAMING PLAN                |
| S-301      | SECTIONS & DETAILS               |
| S-302      | SECTIONS & DETAILS               |
| MECHANICAL |                                  |
| M2-0       | SITE PLAN                        |
| M2-1       | FLOOR & ROOF PLAN                |
| M3-0       | MECH SCHEDULES, NOTES, DETAILS   |
| M3-1       | MECH SCHEDULES, NOTES & DETAILS  |
| M3-2       | MECH SCHEDULES, NOTES, DETAILS   |
| M3-3       | MECH SCHEDULES, NOTES, DETAILS   |
| ELECTRICAL |                                  |
| E1-0       | ELECTRIC SITE PLAN               |
| E2-1       | 1ST FLR PLAN & EQUIP. PLAN       |
| E2-2       | REFLECTED CEILING PLAN           |
| E2-3       | ROOF & TOWER PLANS               |
| E2-4       | PAY-STATION DETAILS              |
| E3-0       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-1       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-2       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-3       | ELEC SCHEDULES, NOTES, & DETAILS |
| E3-4       | MOTOR CONTROL CENTER             |
| E3-5       | ELECTRIC CONTROLS                |
| E3-6       | ELECTRIC MOTORS                  |
| E3-7       | ELECTRIC UNDERGROUND             |
| E3-8       | ELECTRIC EQUIPMENT SCHD.         |

|          |                               |
|----------|-------------------------------|
| PLUMBING |                               |
| P1-0     | PLUMBING SITE PLAN            |
| P2-1     | PLUMBING FLOOR PLAN           |
| P3-0     | SCHEDULES & RISERS            |
| P3-1     | PLUMBING EQUIP. PLAN          |
| P3-2     | PLUMBING PIPING & UNDERGROUND |
| P3-3     | WATER EQUIP. SCHEDULE         |
| P3-4     | AIR PIPING PLAN & RISER       |
| P3-5     | AIR EQUIPMENT SCHEDULE        |

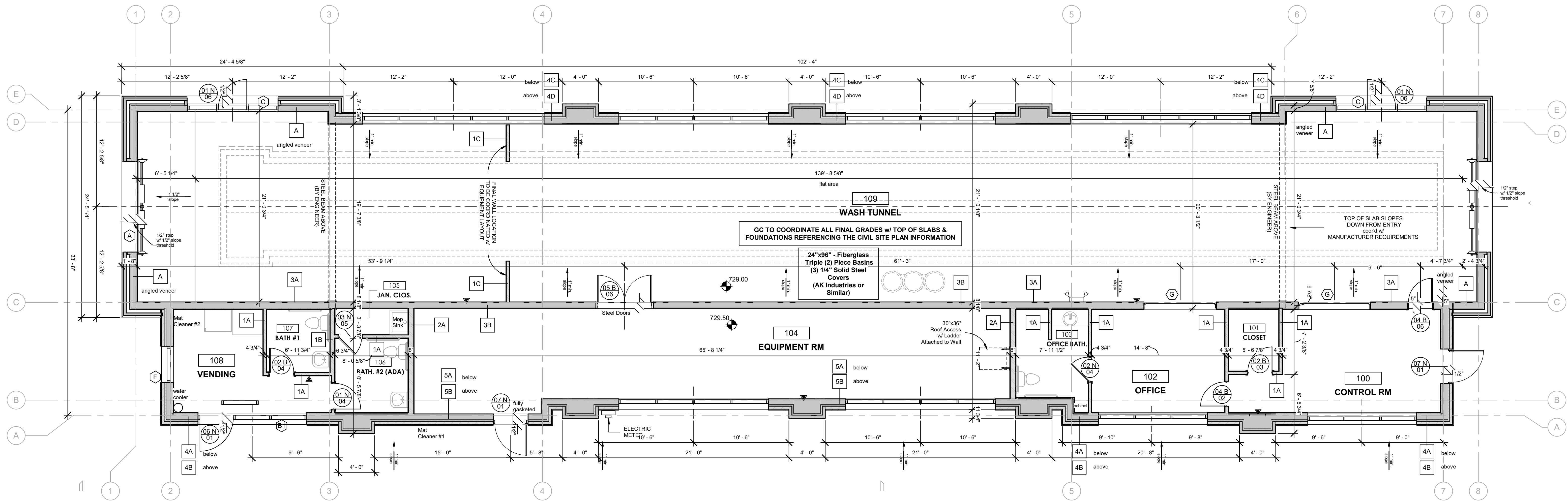




| LEND                                                                                                      | QUANT. % | BOTANICAL NAME                              | COMMON NAME             | MIN. SIZE             | NOTES/SPECIAL CONDITIONS                                        |
|-----------------------------------------------------------------------------------------------------------|----------|---------------------------------------------|-------------------------|-----------------------|-----------------------------------------------------------------|
| SHADE / PARKWAY DECIDUOUS TREES (Min. Size at planting 3" Caliper) - Parkway Trees shall be max 40' apart |          |                                             |                         |                       |                                                                 |
| QR                                                                                                        | 7        | Quercus Rubrum                              | Red Oak                 | 3" caliper / 8' ht    |                                                                 |
| KD                                                                                                        | 1        | Cornus Kousa                                | Kousa Dogwood           | 3" caliper / 8' ht    | Mature height 15-25 ft.                                         |
| KT                                                                                                        | 4        | Cercidiphyllum Japonicum                    | Katsura Tree            | 3" caliper / 8' ht    |                                                                 |
| SP                                                                                                        | 4        | Syringa Pekinensis                          | Peking Lilac            | 3" caliper / 8' ht    | Mature height 15-20 ft.                                         |
| AS                                                                                                        | 5        | Amelanchier x grandiflora                   | Apple Serviceberry      |                       |                                                                 |
| EXISTING                                                                                                  | TBD - %  | TBD                                         |                         |                       | Arborist to verify all existing condition and species of trees. |
| ORNAMENTAL DECIDUOUS TREES (Min. Size at planting 8' hgt. or 2.5" Caliper)                                |          |                                             |                         |                       |                                                                 |
| CC                                                                                                        | 5        | Cercis canadensis                           | Redbud                  | 2.5" caliper / 8' ht  |                                                                 |
| CA                                                                                                        | 5        | Cornus Alternifolia                         | Pagoda Dogwood          | 2.5" caliper / 8' ht  |                                                                 |
| SM                                                                                                        | 5        | Magnolia Stellata                           | Star Magnolia           | 2.5" caliper / 8' ht  | Parkway Alt - used under power lines also                       |
| GG                                                                                                        | 5        | Golden Glory                                | Golden Glory Dogwood    | 2.5" caliper / 8' ht  |                                                                 |
| EVERGREEN TREES (Min. Size at planting 6' hgt.)                                                           |          |                                             |                         |                       |                                                                 |
| PM                                                                                                        | 2        | Picea Mariana                               | Black Spruce            | 6' ht                 |                                                                 |
| JT                                                                                                        | 6        | Juniperus virginiana 'Taylor'               | Taylor Juniper          | 6' ht                 | mature height 16'                                               |
| EVERGREEN SHRUBS (All Hedges to be maintained and kept below 6' max. 4'-0" tall)                          |          |                                             |                         |                       |                                                                 |
| TC                                                                                                        | 9        | Taxus Canadensis                            | Canada Yew              | 30" spr. / 36' ht     | mature height 3' to 5'                                          |
| BI                                                                                                        | 45       | Buxus sinica var. 'Insularis' 'Wintergreen' | Wintergreen Boxwood     | 30" spr. / 24" ht     | mature height 2' to 4'                                          |
| BG                                                                                                        | 64       | Buxus x 'Green Velvet'                      | Green Velvet Boxwood    | 30" spr. / 24" ht     | mature height 3' to 4'                                          |
| TM                                                                                                        | 40       | Taxus x media 'Hicksii'                     | Hicks Yew Hedge         | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| DECIDUOUS SHRUBS - (Height at Time of planting dwarf shrubs - 18 inches - shrubs - 26 inches)             |          |                                             |                         |                       |                                                                 |
| AA                                                                                                        | 5        | Aronia Melanocarp 'Morton'                  | Black Chokeberry        | 30" spr. / 36' ht     | mature height 4' to 6'                                          |
| SC                                                                                                        | 9        | Sambucus Canadensis                         | Elderberry              | 30" spr. / 36' ht     | keep hedge max hgt. 5'-0" (mature hgt. 5'-12')                  |
| FI                                                                                                        | 11       | Forsythia x intermedia                      | Border Forsythia        | 30" spr. / 24" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| VT                                                                                                        | 19       | Viburnum Tricolum                           | American Cranberry Bush | 30" spr. / 36" ht     | keep hedge max hgt. 5'-0" (mature hgt. 10')                     |
| ORNAMENTAL GRASS                                                                                          |          |                                             |                         |                       |                                                                 |
| CP                                                                                                        | 46       | Carex Penstylvanica                         | Sedge                   | 1ft spread / 1gal     | ground cover (mature hgt. 6" - 12")                             |
| SA                                                                                                        | 68       | Sesleria Autumnalis                         | Autumn Moor Grass       | 1ft spread / 1gal     | mature height 8" - 12"                                          |
| PERENNIALS, GROUNDCOVERS - (plants in mulch beds)                                                         |          |                                             |                         |                       |                                                                 |
| SN                                                                                                        | 146      | Salvia Nemorosa                             | New Dimension Blue      | 30" spr. / 1gal. pots | perennials mature height 2'                                     |
| EP                                                                                                        | 52       | Echinacea purpurea                          | Purple Coneflower       | 18" spread / 2'pots   | perennials                                                      |
| LS                                                                                                        | 108      | Liatris Spicata                             | Blazing Star            | 18" spread / 2'pots   | perennials                                                      |
| AL                                                                                                        | 171      | Allium Lustanum                             | Allium 'Summer Beauty'  | 30" spr. / 1gal. pots | perennials                                                      |
| WF                                                                                                        | 160      | Waldsteinia Franganoides                    | Barren Strawberry       | 18" spread / 2'pots   | perennials                                                      |
| RS                                                                                                        | 150      | Rudbeckia Speciosa                          | Black-eyed Susan        | 18" spread / 2'pots   | perennials                                                      |
| PY                                                                                                        | 151      | Polygonatum Tenifolium                      | Slender Mountain Mint   | 1ft spread / 1gal     | ground cover                                                    |

[illegible]





1 FIRST FLOOR PLAN  
SCALE: 3/16" = 1'-0"

NERI ARCHITECTS  
6400 N NORTHWEST HWY  
SUITE 4  
CHICAGO, IL 60631  
TEL 847.625.9400

PROJECT # 2313  
DATE: 03/17/23

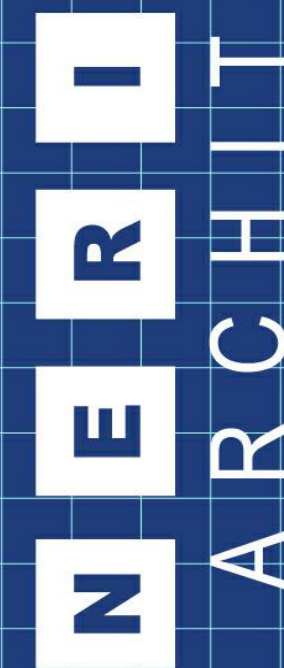
DESIGN FIRM #: 184.003719-0001  
EXP: 04.30.23

NEW AUTOMATED CARWASH FACILITY  
2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074  
ZONING REVIEW - NOT FOR CONSTRUCTION

|              |               |
|--------------|---------------|
| 03.17.23     | ZONING REVIEW |
| REVISIONS    |               |
| DRAWN BY:    | RAM           |
| APPROVED BY: | GCN / MAM     |
| SCALE:       | AS NOTED      |
| DESCRIPTION: | FLOOR PLAN    |
| SHEET NO.    | A-2.1         |

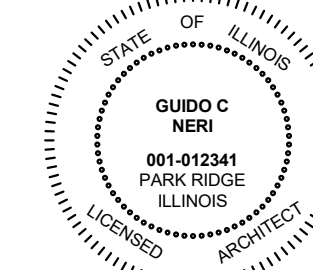
3/17/2023 2:25:24 PM  
Packet Pg. 64





6400 N NORTHWEST HWY  
SUITE 4  
CHICAGO IL 60631  
TEL 847.825.9400

|           |        |
|-----------|--------|
| PROJECT # | 2313   |
| DATE:     | 03/17/ |

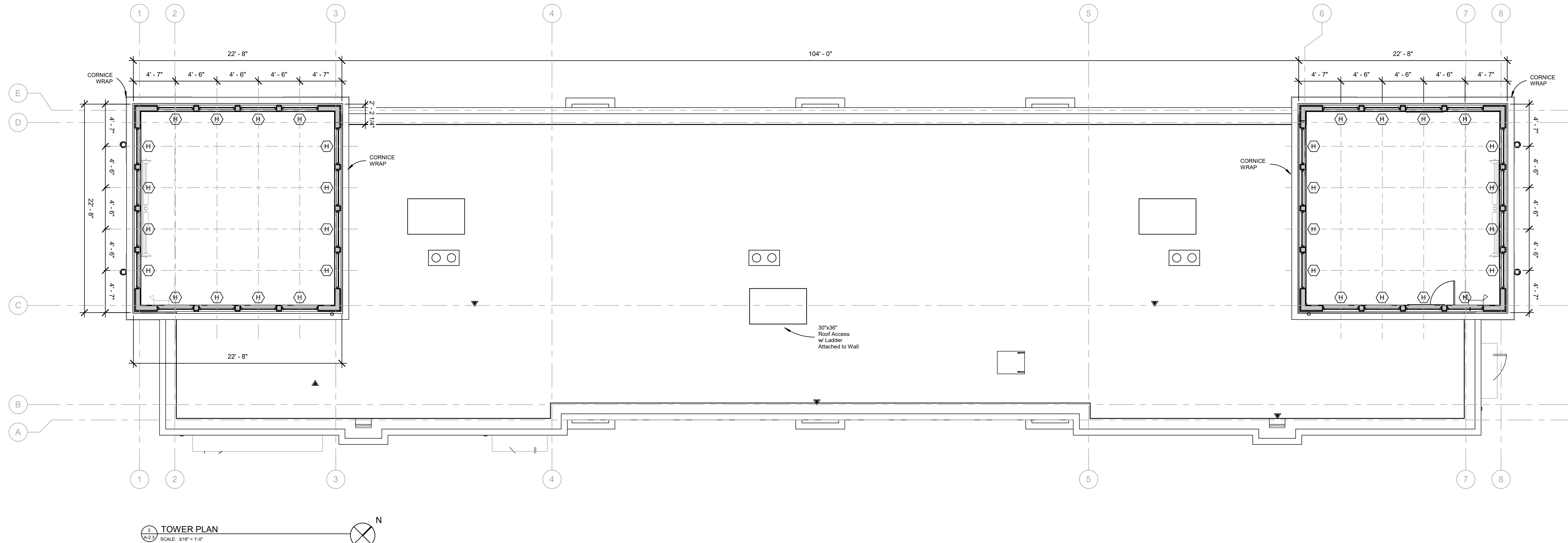
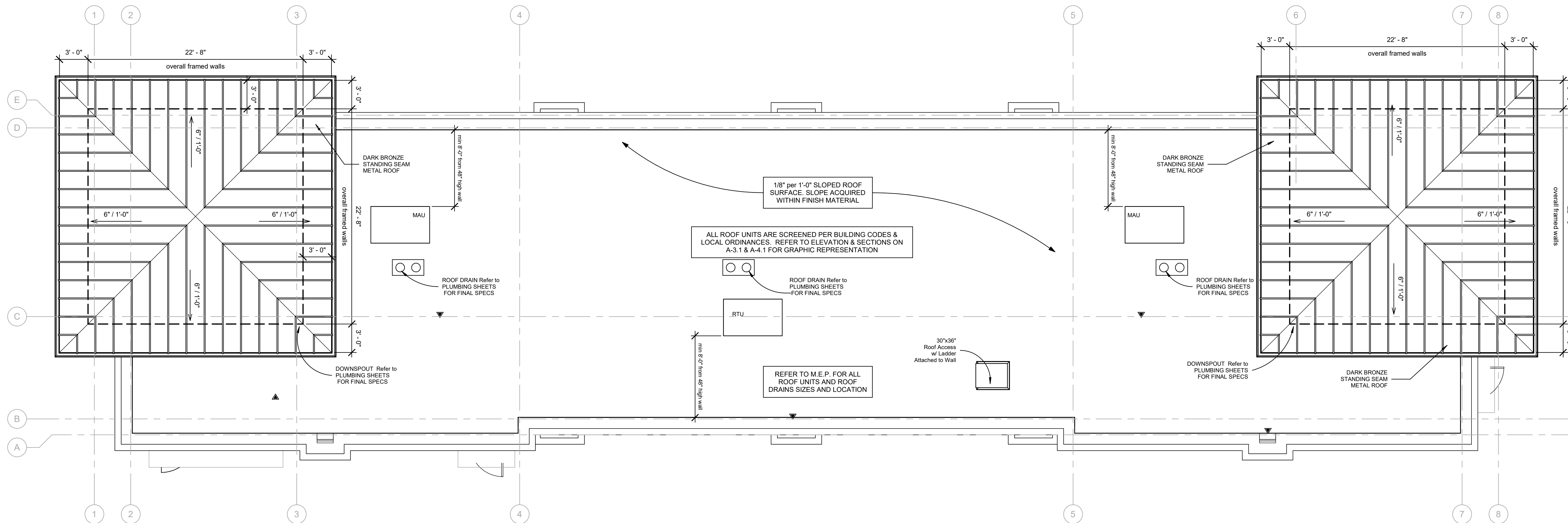


**DESIGN FIRM #:** 184.003719-00  
**EXP:** 04.30.23

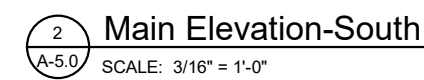
## NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

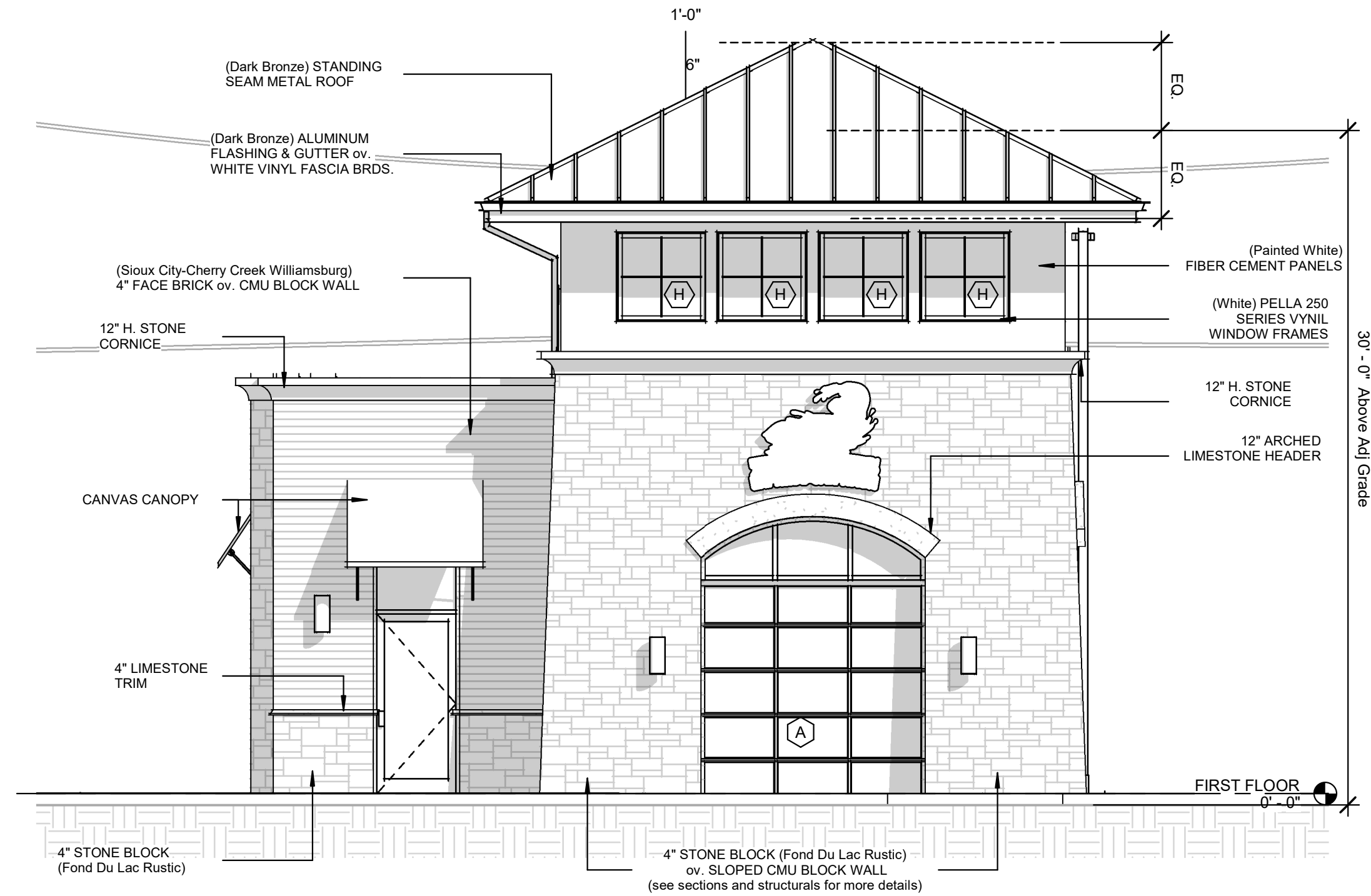
ZONING REVIEW - NOT FOR CONSTRUCTION

[illegible]

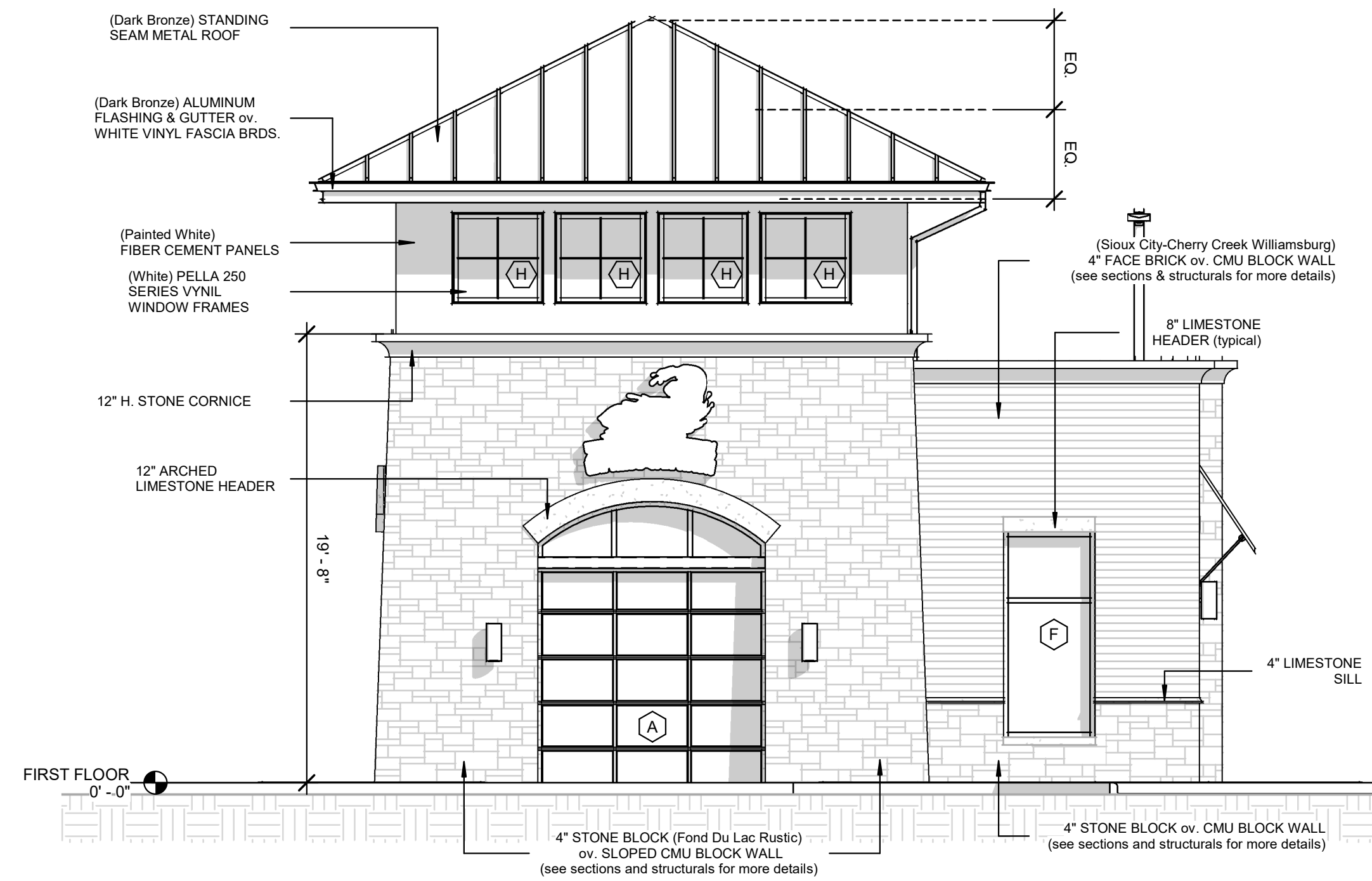








9 Entry Elevation  
SCALE: 3/16\"/>



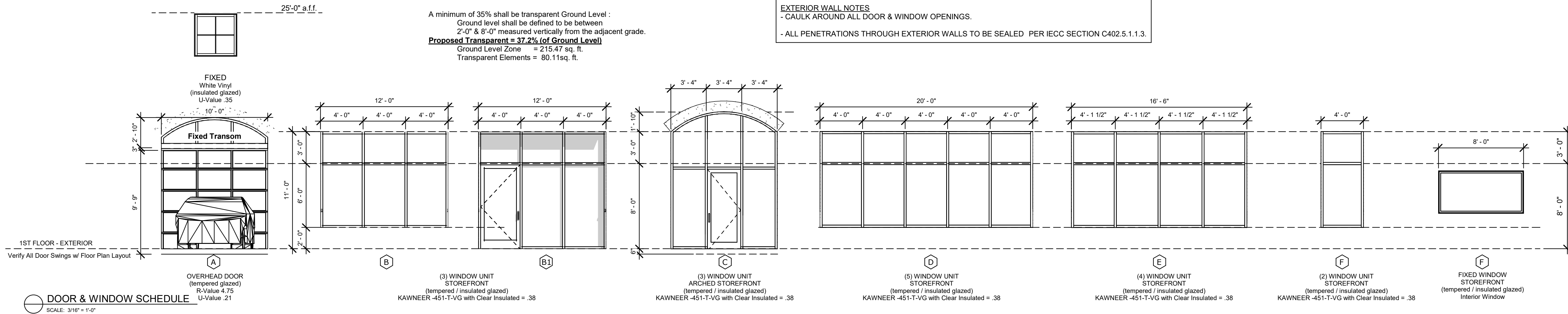
5 Exit Elevation  
SCALE: 3/16\"/>

**Primary Materials**  
Face Brick & Stone Block (65.8%)

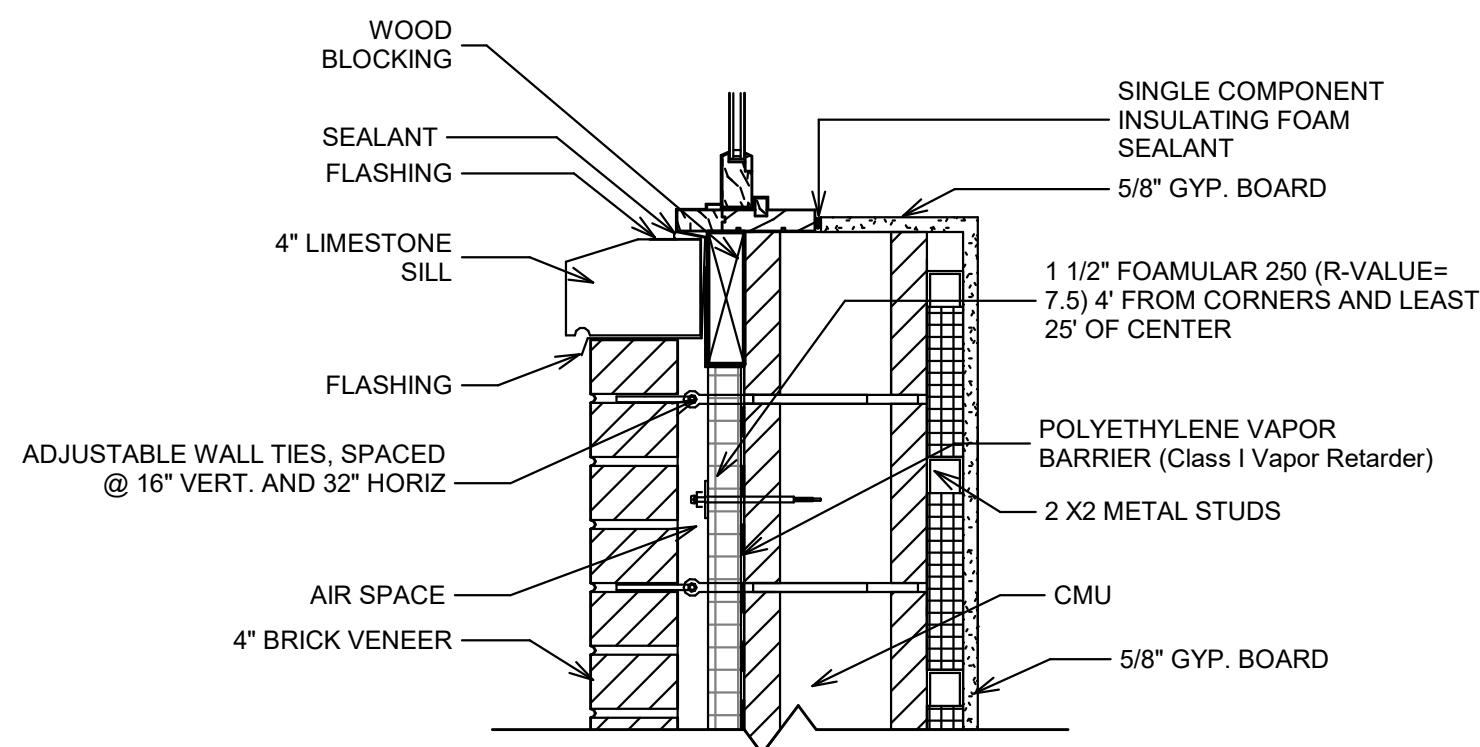
**Accent Material**  
Fiber Cement Panels (15.9%)

**EXTERIOR WALL NOTES**  
- CAULK AROUND ALL DOOR & WINDOW OPENINGS.  
- ALL PENETRATIONS THROUGH EXTERIOR WALLS TO BE SEALED PER IECC SECTION C402.5.1.1.3.

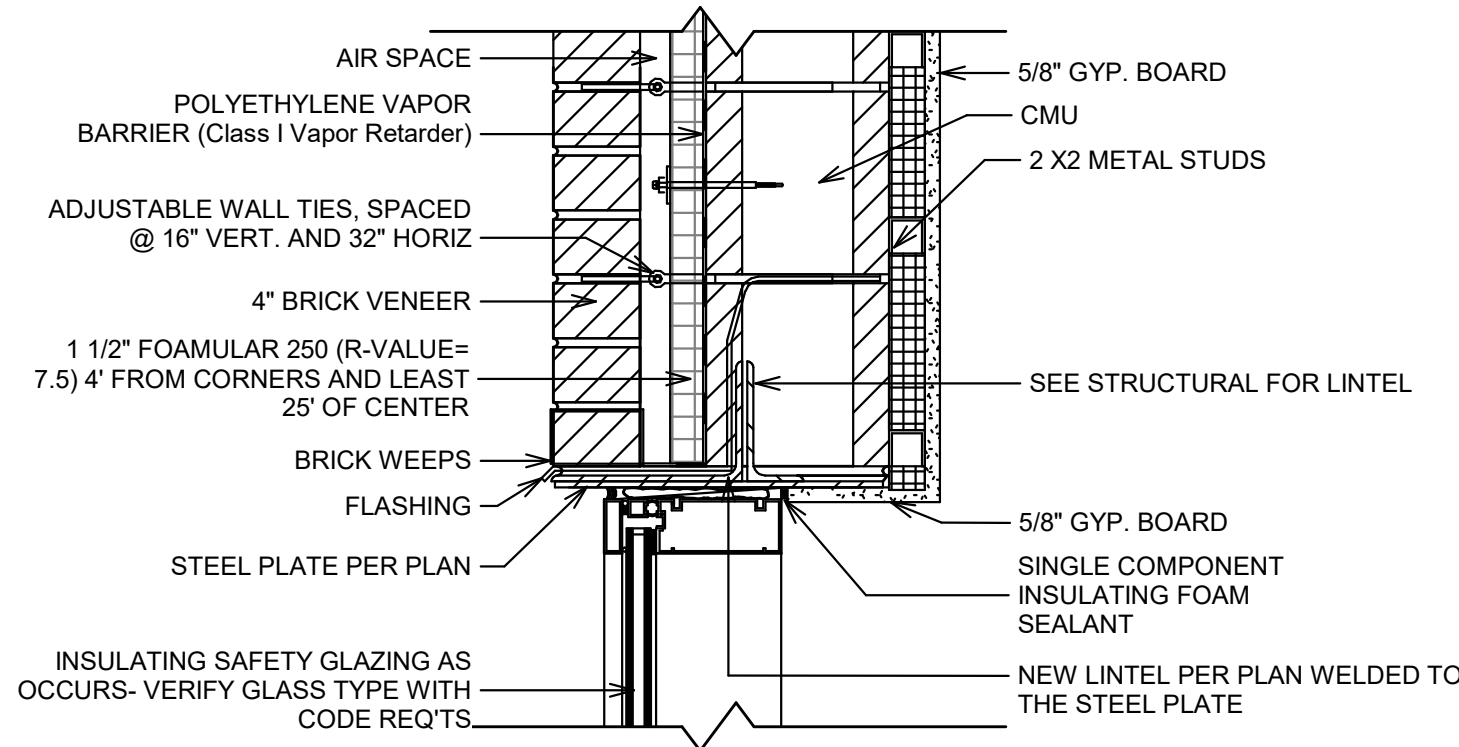
A minimum of 35% shall be transparent Ground Level :  
Ground level shall be defined to be between  
2'-0" & 8'-0" measured vertically from the adjacent grade.  
**Proposed Transparent = 37.2% (of Ground Level)**  
Ground Level Zone = 215.47 sq. ft.  
Transparent Elements = 80.11sq. ft.



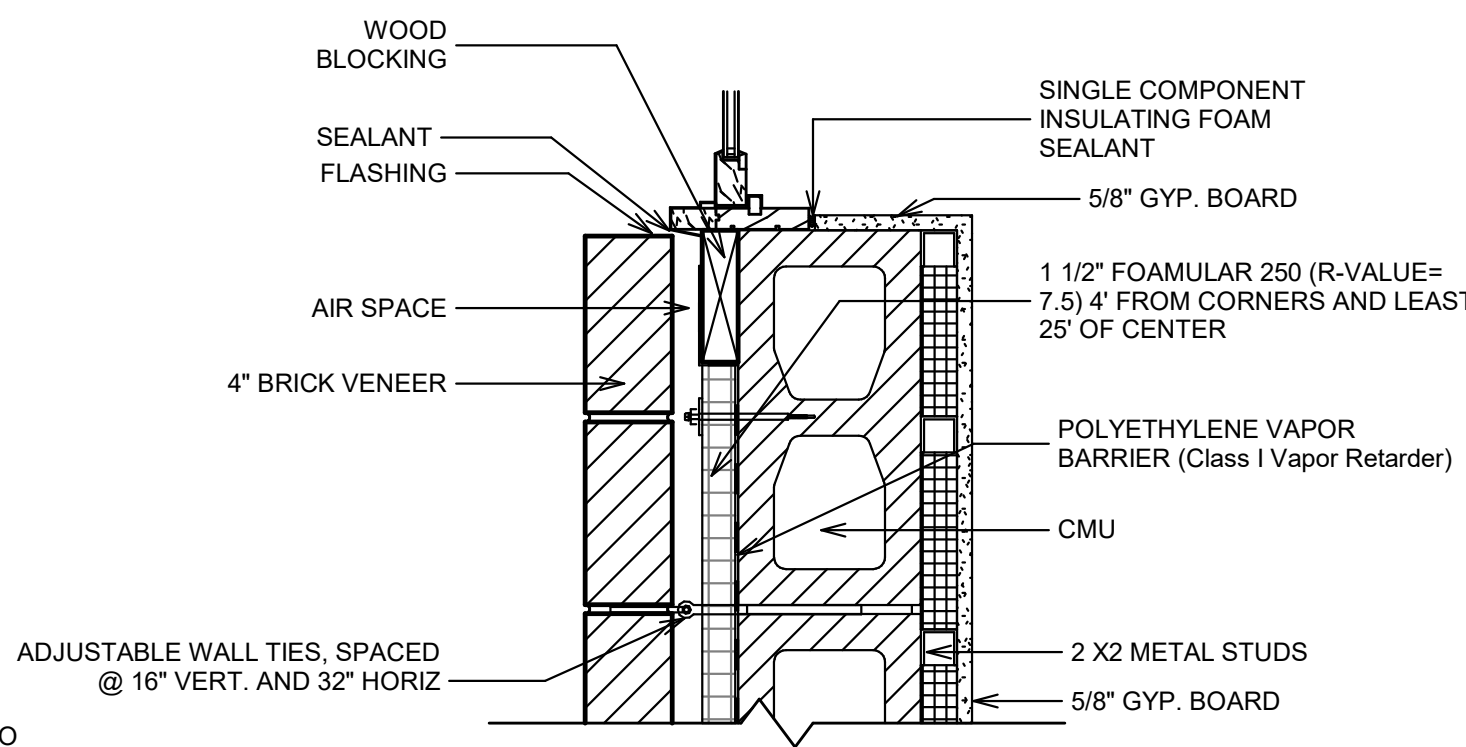
DOOR & WINDOW SCHEDULE  
SCALE: 3/16\"/>



10 WINDOW SILL DETAIL - brick veneer  
SCALE: 1 1/2\"/>

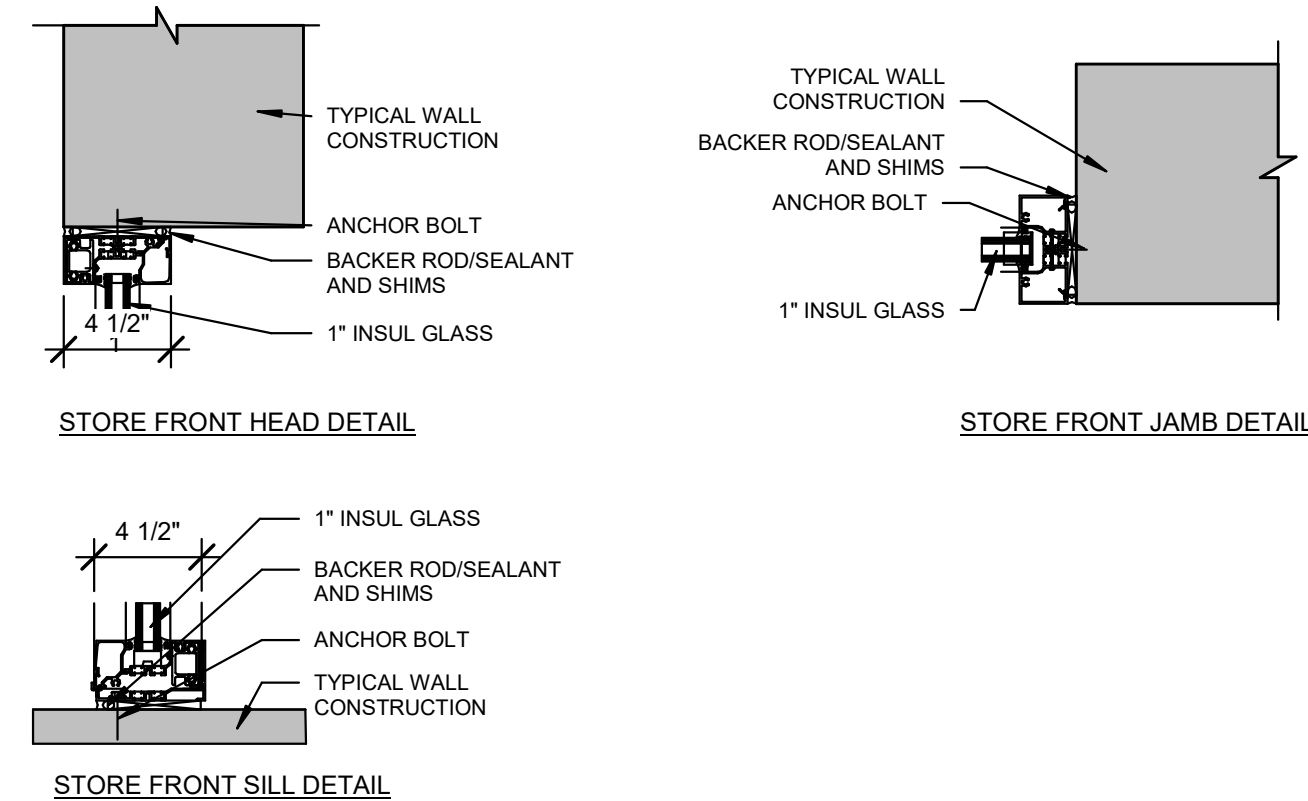


8 WINDOW HEADER DETAIL - brick veneer  
SCALE: 1 1/2\"/>



9 WINDOW JAMB DETAIL - brick veneer  
SCALE: 1 1/2\"/>

### INTERIOR STOREFRONT DETAILS

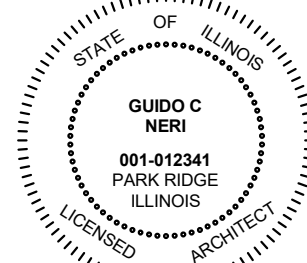


## NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

ZONING REVIEW - NOT FOR CONSTRUCTION

PROJECT # 2313  
DATE: 03/17/23



DESIGN FIRM #: 184.003719-0001  
EXP: 04.30.23

03.17.23 ZONING REVIEW

REVISIONS

DRAWN BY: RAM

APPROVED BY: GCN / MAM

SCALE: AS NOTED

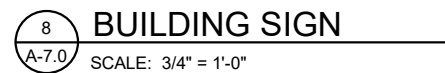
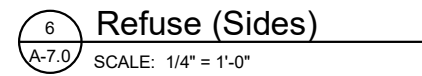
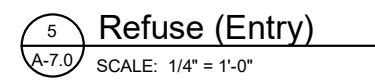
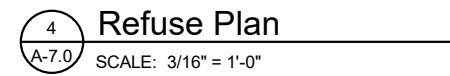
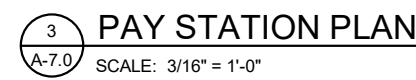
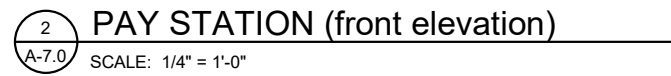
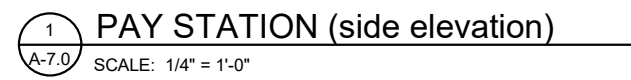
DESCRIPTION: MAIN ELEVATIONS & WINDOW SCHDL.

SHEET NO.

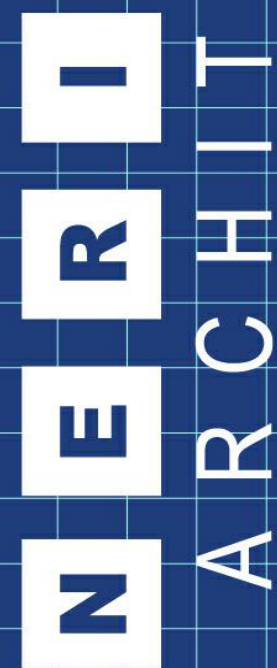
A-5.1

3/17/2023 2:25:45 PM



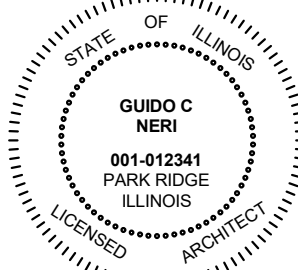


**BUILDING AND MONUMENT SIGNS ARE UNDER SEPARATE PERMIT**  
(Coordination required by GC and SUB-Contractor. Notify Architect of Any discrepancies)



6400 N NORTHWEST HWY  
SUITE 4  
CHICAGO IL 60631  
TEL 847.825.9400

|           |          |
|-----------|----------|
| PROJECT # | 2313     |
| DATE:     | 03/17/20 |



DESIGN FIRM #: 184.003719-000  
EXP: 04.30.23

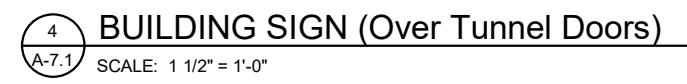
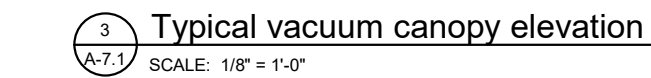
# NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

ZONING REVIEW - NOT FOR CONSTRUCTION

[illegible]





# NEW AUTOMATED CARWASH FACILITY

2239 N. RAND ROAD PALATINE,  
ILLINOIS 60074

ZONING REVIEW - NOT FOR CONSTRUCTION

|                  |          |
|------------------|----------|
| <b>PROJECT #</b> | 2313     |
| <b>DATE:</b>     | 03/17/23 |

**DESIGN FIRM #:** 184.003719-0001

**EXP:** 04.30.23

[illegible]





2313  
03/17/23  
Z-1

1 ARIAL VIEW LOOKING SOUTHEAST  
Z-1 SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





2313  
03/17/23  
Z-2

1  
Z-2  
Aerial View Looking East  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)

2313

03/17/23

Z-3

1 ARIAL VIEW LOOKING SOUTH  
Z-3 SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







2313

03/17/23

Z-4



GENERAL VIEW LOOKING NORTH

SCALE: 1/2" = 1'-0"

## New Automated Car Wash Facility

2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-5

1  
Z-5  
VIEW LOOKING WEST  
SCALE: 1/2" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)

2313  
03/17/23  
Z-6

1 VIEW LOOKING NORTH  
Z-6 SCALE: 1/2" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074







2313  
03/17/23  
Z-7

1  
2-7 VIEW LOOKING EAST  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





2313  
03/17/23  
Z-8

1  
Z-8 VIEW LOOKING SOUTH  
SCALE: 1/2" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





2313  
03/17/23  
Z-9

VACUUM STATION VIEW LOOKING  
NORTHEAST  
SCALE: 12" = 1'-0"

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)





2313  
03/17/23  
Z-10

1  
Z-10  
SCALE: 12" = 1'-0"

VACUUM STATION VIEW LOOKING EAST

**New Automated  
Car Wash Facility**  
2239 N. RAND ROAD  
PALATINE, ILLINOIS 60074



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



October 26, 2022

Mr. Nick Spallone  
Car Wash Pro Designers (CWPD)  
6400 N Northwest Hwy, Unit 4  
Chicago, IL 60631

**Subject: Mundelein CWPD Car Wash–Noise Impact Study–Village of Mundelein, IL**

Dear Mr. Spallone:

MD Acoustics, LLC (MD) has completed a noise assessment for the proposed car wash located at 301 East Route 83 located in the Village of Mundelein, Lake County, IL. This assessment reviews the projected car wash operational noise levels and compares them to the Township's noise ordinance. The project proposes an approximately 148-foot car wash tunnel with 25 vacuum bays.

### 1.0 Assessment Overview

This assessment evaluates the projections of operational noise and compares them to the State's noise ordinance for informational purposes. The project location map is located in Exhibit A. The site plan utilized for the project is indicated in Exhibit B. Appendix A contains field sheets for the measured noise level at the project site and reference sound data for the proposed car wash equipment. Appendix B contains the traffic noise model. Appendix C contains the SoundPlan model inputs and outputs, and Appendix D shows the octave band conversion in reference to the Illinois noise limits.

### 2.0 Local Acoustical Requirements

The State of Illinois Title 35 Subtitle H Chapter 1 Section 901.102(a) states the following:

Except as elsewhere provided in this Part, a person must not cause or allow the emission of sound during daytime hours from any property-line noise source located on any Class A, B or C land to any receiving Class A land that exceeds any allowable octave band sound pressure level specified in the following table, when measured at any point within the receiving Class A land. Sound pressure levels must be measured at least 25 feet from the property-line noise source.

| Octave Band Center<br>Frequency (Hz) | Allowable Octave Band Sound Pressure Levels (dB) of Sound<br>Emitted to any Receiving Class A Land from Class B Land |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 31.5                                 | 72                                                                                                                   |
| 63                                   | 71                                                                                                                   |
| 125                                  | 65                                                                                                                   |
| 250                                  | 57                                                                                                                   |
| 500                                  | 51                                                                                                                   |
| 1000                                 | 45                                                                                                                   |
| 2000                                 | 39                                                                                                                   |
| 4000                                 | 34                                                                                                                   |
| 8000                                 | 32                                                                                                                   |

This limit is equivalent to 72 dB Leq and 55 dBA Leq. See Appendix D for calculation.



**Exhibit A**  
**Location Map**

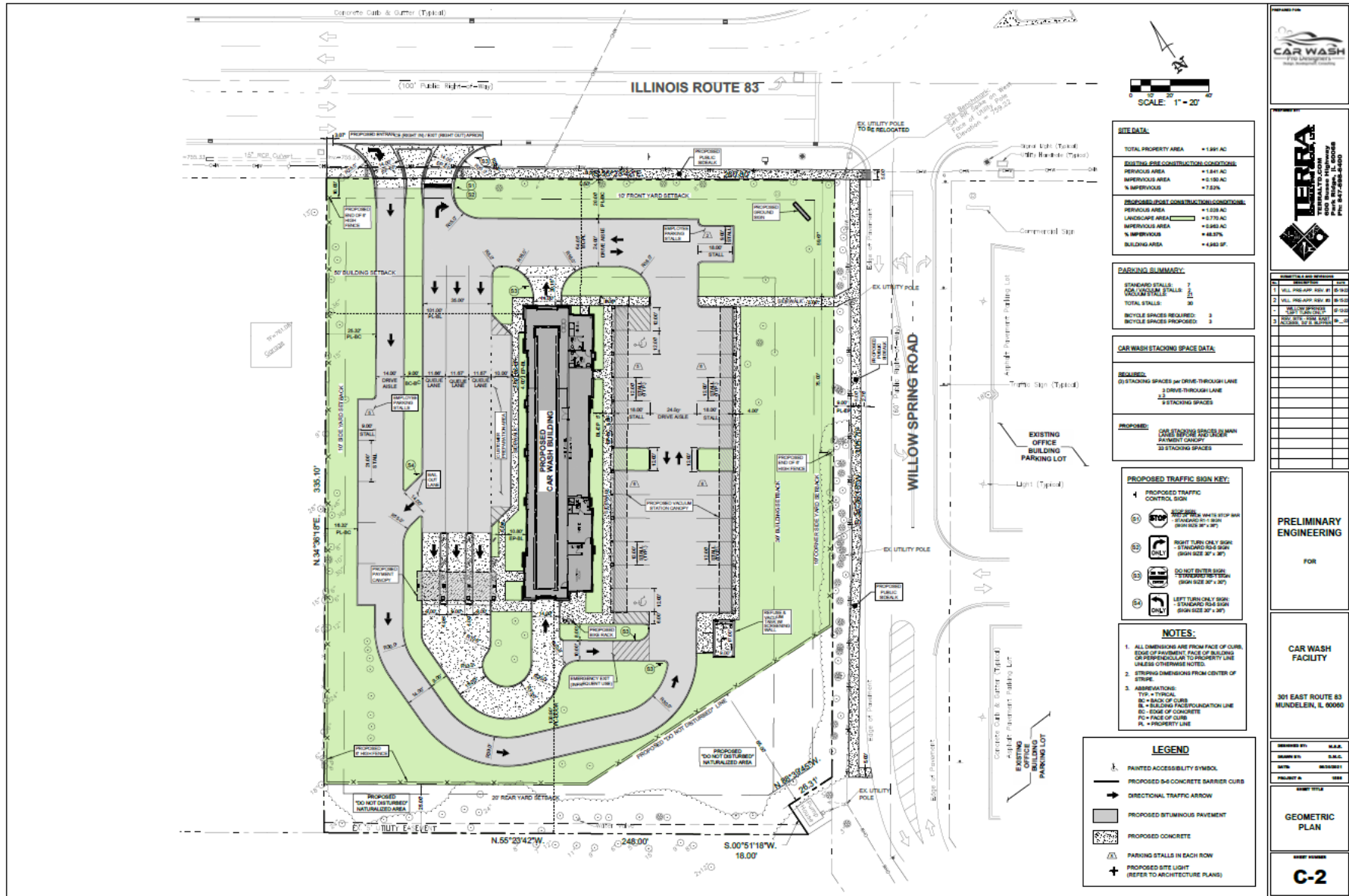


Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



Mundelein CWPD Car Wash  
Noise Impact Study  
Village of Mundelein, IL

Exhibit B  
Site Plan



Attachment: PZC Materials - May 23, 2023 (22339 N. Rand Road - SU Car Wash)



### 3.0 Study Method and Procedure

#### Measured Ambient Noise Level

Subsequent to the Planning and Zoning meeting on August 30, 2022, ambient noise measurements at the project were conducted and found to validate the FHWA methodology used initially. Using a calibrated Type 2 sound level meter, the background noise level at the project site was measured. Figure 1 shows the locations measured and the results of the measurements. See Appendix A for measurement field sheets.

**Figure 1: Ambient Noise Measurement at the Project Site**



| Location | Start    | Stop     | Leq  |
|----------|----------|----------|------|
| 1        | 11:29 AM | 11:44 AM | 55.8 |
| 2        | 11:46 AM | 12:01 PM | 52.1 |
| 3        | 12:06 PM | 12:21 PM | 71.2 |
| 4        | 12:24 PM | 12:39 PM | 61.9 |

The ambient noise measurements at locations 2 and 4 match the calculated ambient values within +/- 2 decibels at the same locations. The ambient is approximately 62 dBA at location 4 and approximately 52 dBA at location 2.

#### FHWA Traffic Noise Model

The traffic noise analysis utilizes the Federal Highway Administration (FHWA) Traffic Noise Model, together with several key construction parameters. Key input speed, site conditions, average daily traffic (ADT), and vehicle mix data. Table 1 outlines the roadway assumptions. Traffic noise input and output calculations are provided in Appendix B.

**Table 1: Roadway Parameters and Vehicle Distribution**

| Roadway | Segment       | Existing ADT <sup>1</sup> | Speed (MPH) | Site Conditions |
|---------|---------------|---------------------------|-------------|-----------------|
| Rte 83  | North of Site | 20,100                    | 40          | Soft            |

| Highway Vehicle Distribution (Truck Mix) <sup>2</sup> |                             |                              |                            |                            |
|-------------------------------------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|
| Motor-Vehicle Type                                    | Daytime %<br>(7 AM to 7 PM) | Evening %<br>(7 PM to 10 PM) | Night %<br>(10 PM to 7 AM) | Total % of<br>Traffic Flow |
| Automobiles                                           | 75.5                        | 14.0                         | 10.5                       | 92.00                      |
| Medium Trucks                                         | 48.9                        | 2.2                          | 48.9                       | 4.33                       |
| Heavy Trucks                                          | 47.3                        | 5.5                          | 47.3                       | 3.67                       |

Notes:  
<sup>1</sup> Per 2021 traffic counts.  
<sup>2</sup> Typical vehicle distribution and Illinois truck counts.



### SoundPLAN Acoustic Model

SoundPLAN (SP) acoustical modeling software was utilized to model future worst-case stationary noise impacts to the adjacent land uses. SP is capable of evaluating multiple stationary noise source impacts at various receiver locations. SP's software utilizes algorithms (based on the inverse square law and reference equipment noise level data) to calculate noise level projections. The software allows the user to input specific noise sources, spectral content, sound barriers, building placement, topography, and sensitive receptor locations.

The model assumes that the car wash tunnel has an 8-foot-tall by 10-foot-wide exit opening and is covered by a solid roof. The blowers (120 HP IDC Stealth Predator with a 10 HP flash blower or equivalent) were modeled at 7 to 10 feet high as point sources. The blowers are modeled approximately 5 feet inside the exit of the tunnel. The model also assumes that the last 15 feet of the tunnel is lined with absorptive material with an NRC rating of 1.0. The reference equipment sound level data is provided in Appendix A.

The SP model assumes a total of 25 vacuums and the dryer system are operating simultaneously (worst-case scenario) when in actuality the noise will be intermittent and lower in noise level. The vacuum turbine motors are located north of the vacuums and are not expected to have a sound enclosure. The project proposes to house all other equipment inside the equipment rooms of the car wash building. The reference vacuum equipment sound level data is provided in Appendix A. The model assumes 20 cars driving simultaneously through the queue.

All other noise-producing equipment (e.g., compressors, pumps) will be housed within mechanical equipment rooms.

At the Planning and Zoning meeting on August 30, 2022, concerns about the modeling process used by MD were expressed. MD has measured the noise levels of several car washes throughout the United States and used real-world measurements to inform our modeling process. The dominant noise source at every car wash MD has measured is the carwash blower system by several orders of magnitude. All other equipment within carwash tunnels, including automatic conveyor systems, power packs, etc., is orders of magnitude lower than the blower noise, and does not make a significant impact on the noise measurements or models. The only other noise source that needs to be considered is the vacuum system because it is located outside of the tunnel, and MD includes that in all of our models. Consistent with real world measurements and industry best practices, MD has modeled the dominant noise sources using industry standard sound propagation software to show the actual impact of the proposed car wash.

## 4.0 Existing Ambient Noise Levels

Traffic noise along IL Route 83 is the main source of noise impacting the project site and the surrounding area.

The ambient noise level was modeled utilizing the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108. Traffic noise levels were calculated at the western and southern residential properties. As a worst-case, MD will compare the maximum operational noise level to the lowest ambient levels during operational hours which occur in the evening.



At the southern residential property 350 ft away from the centerline of IL Route 83, the ambient noise level is 60 dBA in the evening. At the western residential property 100 ft away from the centerline of IL Route 83, the ambient noise level is 52 dBA in the evening. Both the FHWA model and the real world measurements confirm these noise levels (see Appendix A and Appendix B for details).

## 5.0 Findings and Recommendations

A total of two (2) receptors were modeled to accurately evaluate the future operational noise levels near the project site. A yellow dot denotes a receptor. Receptors 1 and 2 represent the noise level at the adjacent residential areas. All yellow dots represent 25 feet from the property line per the Illinois code. See Appendix C for the SoundPlan model inputs and outputs.

Table 2 presents the project's predicted noise level and the maximum permitted noise level.

**Table 2: Worst-Case Predicted Operational Noise Levels (dBA)<sup>1</sup>**

| Receptor <sup>2</sup>                                                                                                                                                                                                                                                                                                 | Ambient Noise Level (dBA, Leq) | Project Noise Level (dBA, Leq) <sup>3</sup> | Maximum Permitted Noise Level (dBA, Leq) <sup>4</sup> | Total Combined Noise Level (dBA, Leq) | Change in Noise Level (dB) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------|-------------------------------------------------------|---------------------------------------|----------------------------|
| 1                                                                                                                                                                                                                                                                                                                     | 52                             | 49                                          | 55                                                    | 54                                    | +2                         |
| 2                                                                                                                                                                                                                                                                                                                     | 60                             | 53                                          | 55                                                    | 61                                    | +1                         |
| Notes:<br><sup>1</sup> Receptor locations are indicated in Exhibit E.<br><sup>2</sup> Receptors 1 and 2 represent residential properties.<br><sup>3</sup> See Exhibit E for the operational noise level projections at said receptors.<br><sup>4</sup> See Illinois Title 35 Subtitle H Chapter 1 Section 901.102(a). |                                |                                             |                                                       |                                       |                            |

Exhibit C shows the future noise level projections and contours based on the proposed project design. The project noise levels at the various adjacent uses will range between 49 to 53 dBA Leq. The project levels are below the daytime state limit of 55 dBA Leq. The overall noise level will increase by 1-2 dB as a result of the project. Table 3 provides the characteristics associated with changes in noise levels.

**Table 3: Change in Noise Level Characteristics<sup>1</sup>**

| Changes in Intensity Level, dBA | Changes in Apparent Loudness |
|---------------------------------|------------------------------|
| 1                               | Not perceptible              |
| 3                               | Just perceptible             |
| 5                               | Clearly noticeable           |
| 10                              | Twice (or half) as loud      |

[https://www.fhwa.dot.gov/environMent/noise/regulations\\_and\\_guidance/polguide/polguide02.cfm](https://www.fhwa.dot.gov/environMent/noise/regulations_and_guidance/polguide/polguide02.cfm)

The existing noise levels are anticipated to have an increased Leq at the receptor locations analyzed. The noise level increase would be "not perceptible" at the receptors.

## 6.0 Conclusions

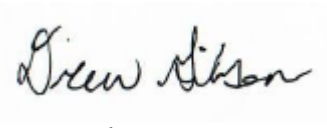
MD has reviewed the applicable noise ordinances and modeled the noise levels for the proposed car wash based on real world measurements of similar car washes and based on real world measurements of the



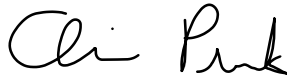
proposed blower and vacuum equipment used at this project. MD has augmented our previous report and provided ambient noise measurements taken at the proposed project. The proposed car wash does not exceed the maximum permitted noise levels and does not perceptibly increase the overall ambient noise level at the nearest sensitive receptors.

MD is pleased to provide this noise review for the Mundelein car wash project. If you have any questions regarding this analysis, please call our office at (602) 774-1950.

Sincerely,  
MD Acoustics, LLC



Drew Gibson  
Acoustical Consultant



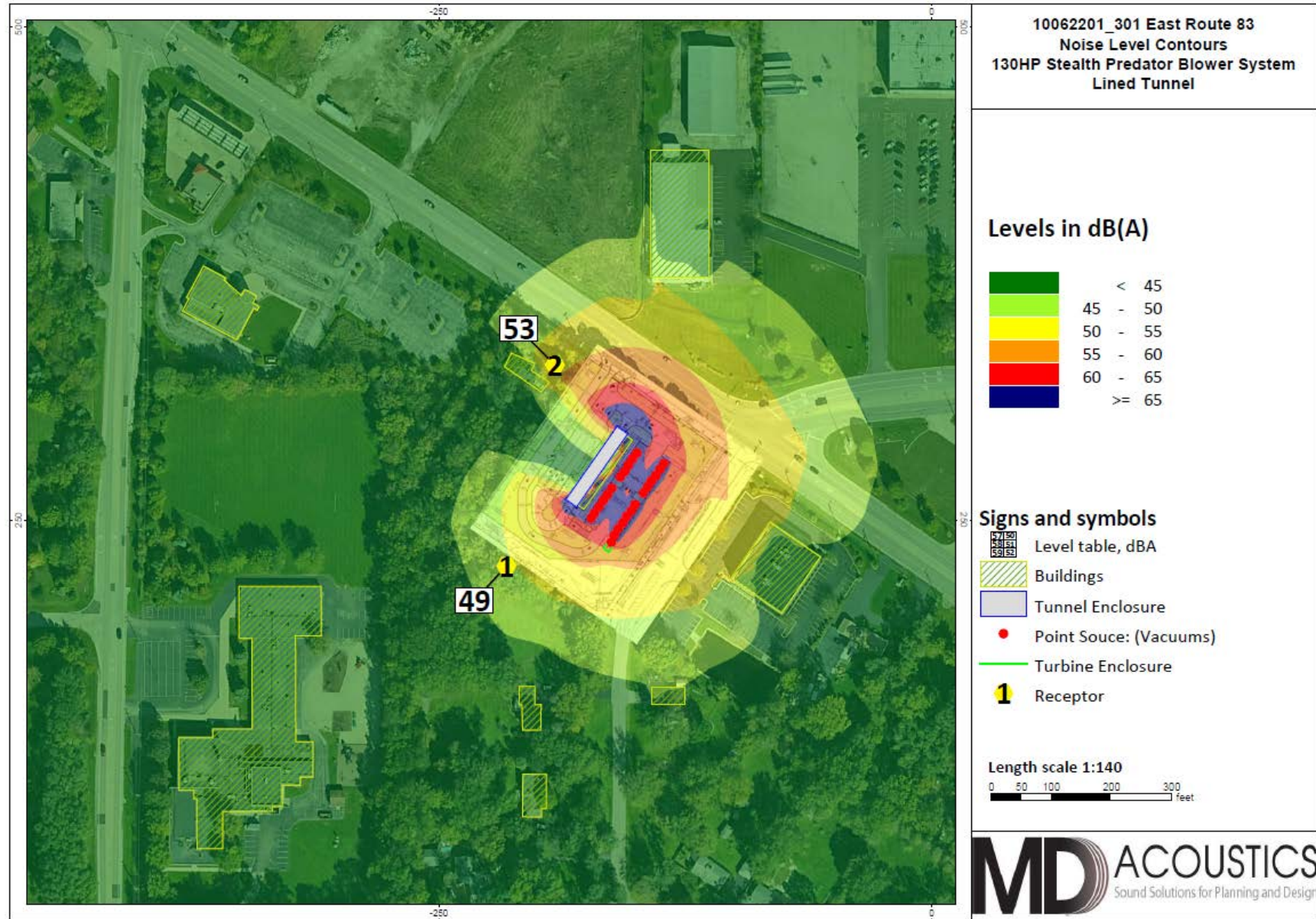
Claire Pincock, INCE-USA  
Acoustical Consultant



Samuel Hord, INCE-USA  
Acoustical Consultant



**Exhibit C**  
**Operational Noise Levels**



## **Appendix A**

### Sound Reference Data and Field Sheets



### 15-Minute Continuous Noise Measurement Datasheet

|                               |                             |                           |                                                                                                                                                                                                         |
|-------------------------------|-----------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project:</b>               | CWPD Car Wash Mundelein, IL | <b>Site Observations:</b> | Clear sky, measurement was performed within 5-feet of existing property line walls and/or in locations away from reflective surfaces, where feasible. Ambient noise consisted of traffic along East 83. |
| <b>Site Address/Location:</b> | 301 East Route 83           |                           |                                                                                                                                                                                                         |
| <b>Date:</b>                  | 10/7/2022                   |                           |                                                                                                                                                                                                         |
| <b>Field Tech/Engineer:</b>   | Samuel H., Mike T.          |                           |                                                                                                                                                                                                         |

**General Location:**

|                             |                                             |                  |
|-----------------------------|---------------------------------------------|------------------|
| <b>Sound Meter:</b>         | Reed                                        | <b>SN:</b> R8080 |
| <b>Settings:</b>            | A-weighted, slow, 1-sec, 15-minute interval |                  |
| <b>Meteorological Con.:</b> | 57 degrees F                                |                  |
| <b>Site ID:</b>             | ST-1 thru ST-4                              |                  |

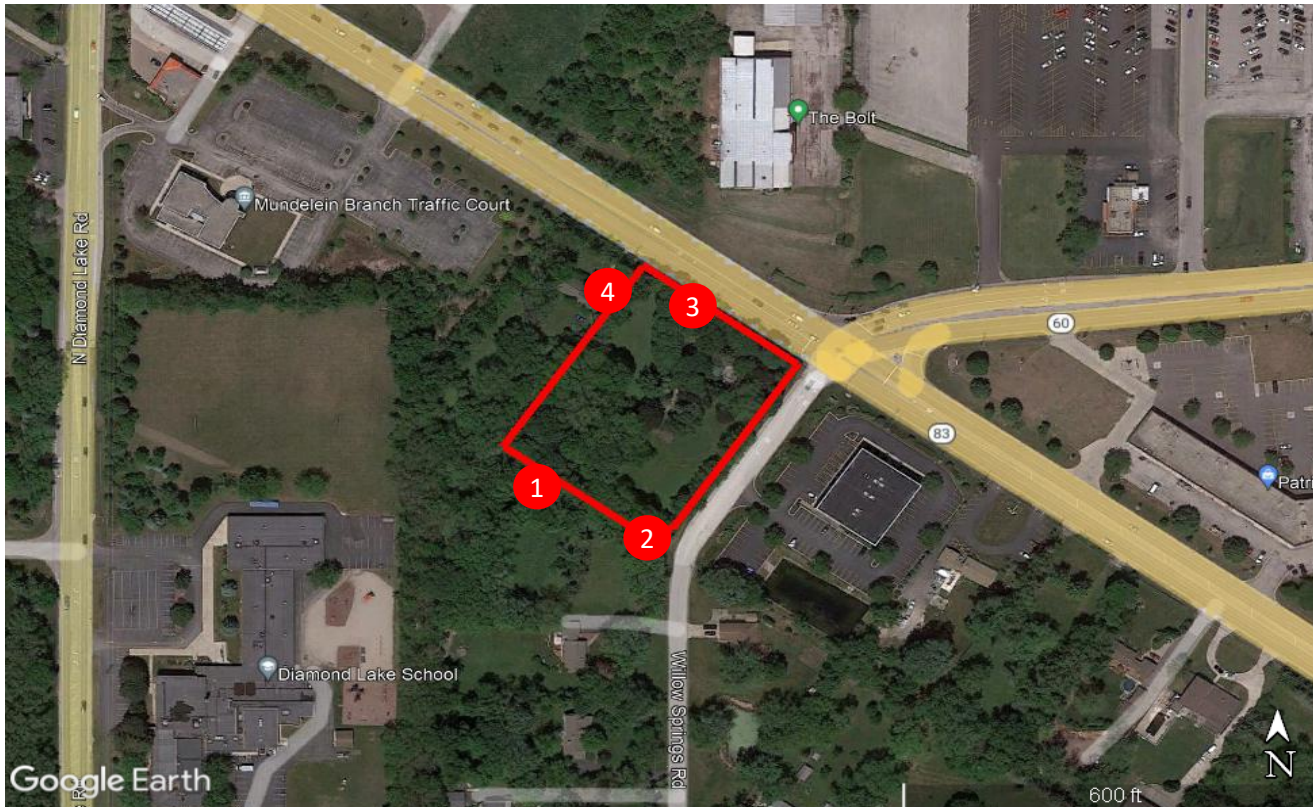
**Site Topo:** Flat

**Ground Type:** Hard site conditions, reflective

**Noise Source(s) w/ Distance:**

- |                                             |
|---------------------------------------------|
| 1 - C/L of E 83 is approx. 350ft            |
| 2 - C/L of E 83 is approx. 350 ft           |
| 3 - C/L of E83 is approx. 50 ft from meter  |
| 4 - C/L of E83 is approx. 130 ft from meter |

**Figure 1: Monitoring Locations**



**Figure 2: ST-1 Photo**



**Figure 3: ST-2 Photo**



### 15-Minute Continuous Noise Measurement Datasheet - Cont.

**Project:** CWPD Car Wash Mundelein, IL  
**Site Address/Location:** 301 East Route 83  
**Site ID:** ST-1 thru ST-4

**Figure 4: ST-3 Photo**



**Figure 5: ST-4 Photo**



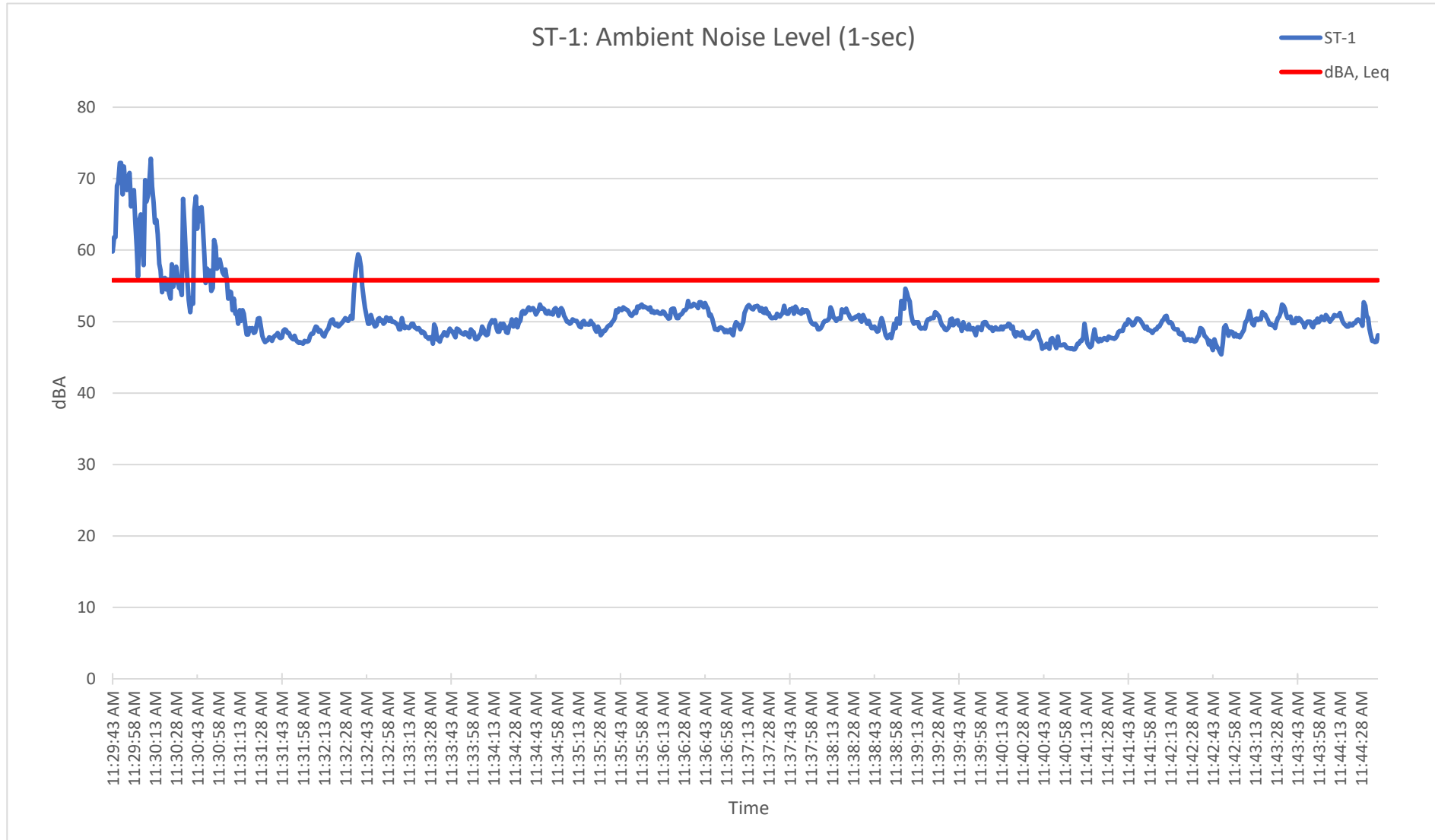
**Table 1: Morning - Baseline Noise Measurement Summary**

| Location | Start    | Stop     | Leq  |
|----------|----------|----------|------|
| 1        | 11:29 AM | 11:44 AM | 55.8 |
| 2        | 11:46 AM | 12:01 PM | 52.1 |
| 3        | 12:06 PM | 12:21 PM | 71.2 |
| 4        | 12:24 PM | 12:39 PM | 61.9 |



**15-Minute Continuous Noise Measurement Datasheet - Cont.**

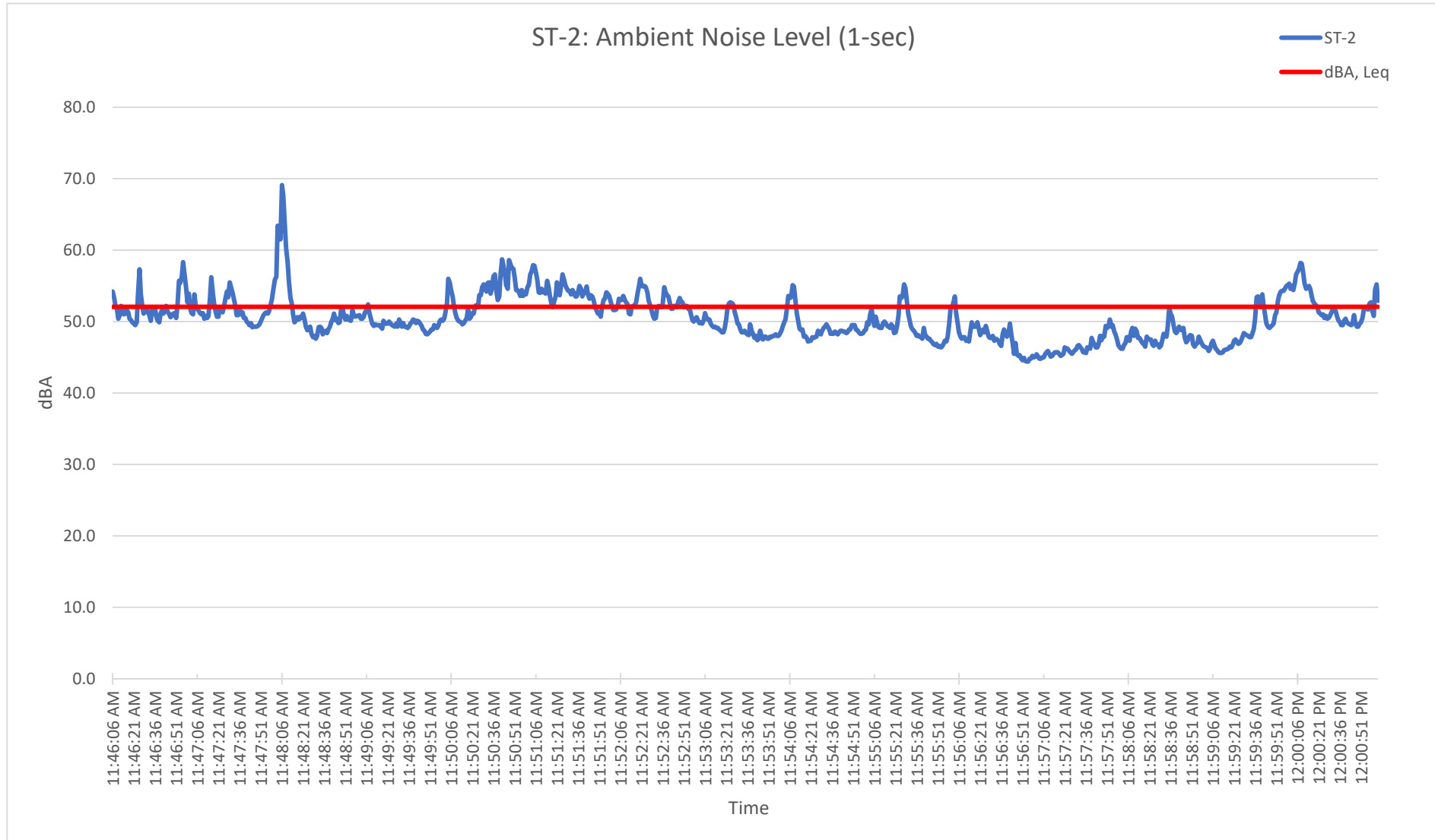
**Project:** CWPD Car Wash Mundelein, IL  
**Site Address/Location:** 301 East Route 83  
**Site ID:** ST-1



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)

**15-Minute Continuous Noise Measurement Datasheet - Cont.**

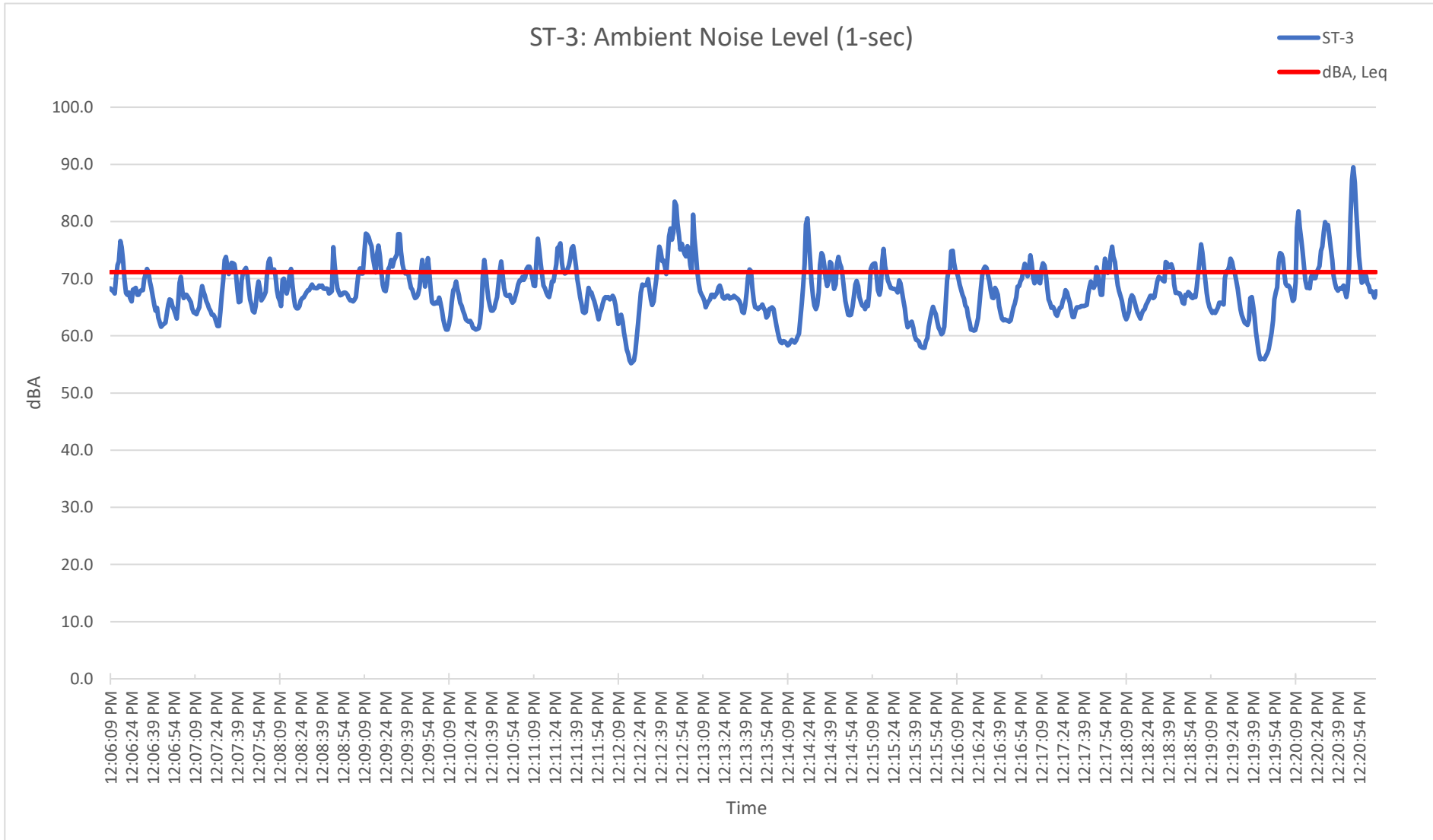
**Project:** CWPD Car Wash Mundelein, IL  
**Site Address/Location:** 301 East Route 83  
**Site ID:** ST-2





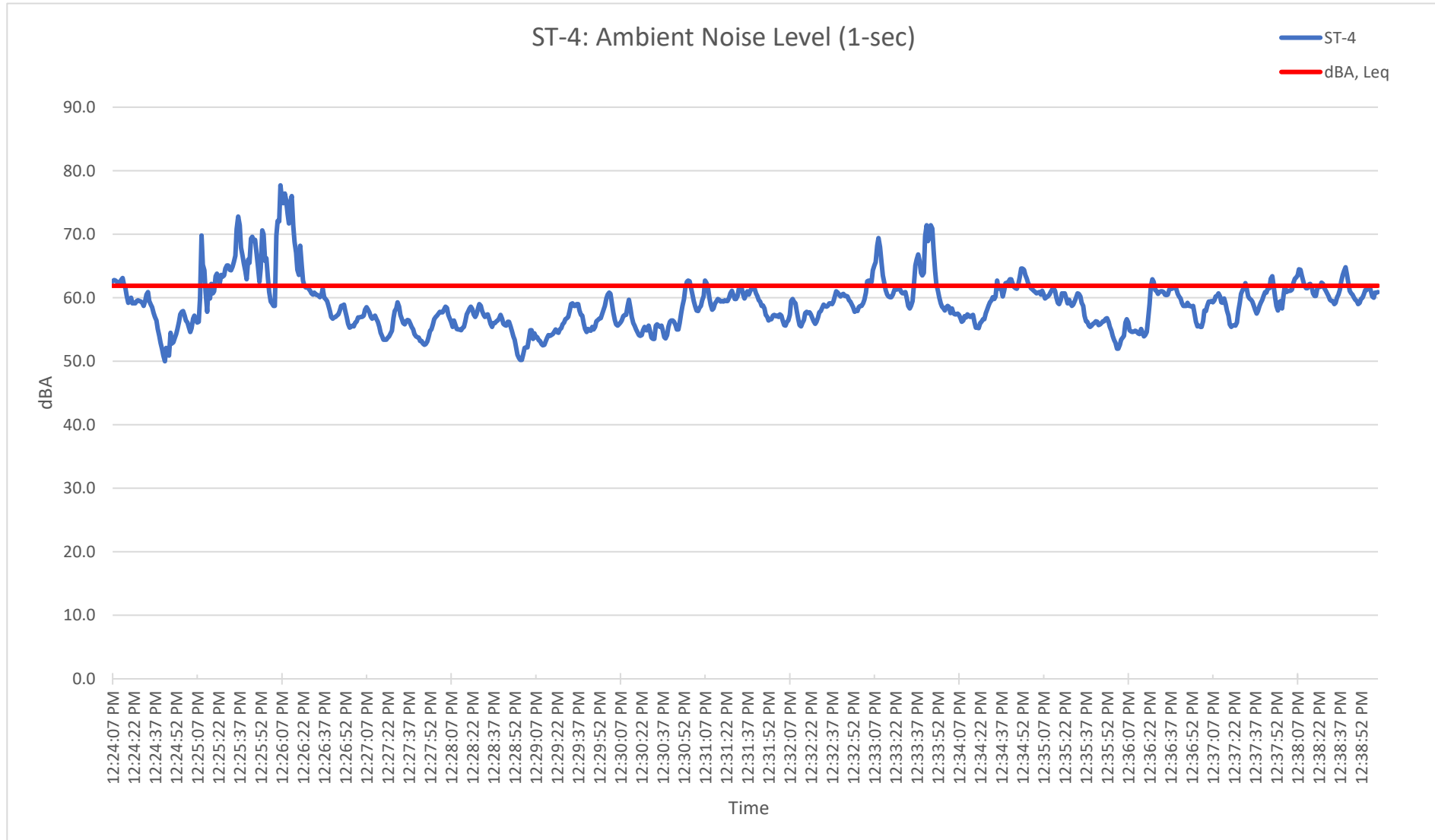
**15-Minute Continuous Noise Measurement Datasheet - Cont.**

**Project:** CWPD Car Wash Mundelein, IL  
**Site Address/Location:** 301 East Route 83  
**Site ID:** ST-3



**15-Minute Continuous Noise Measurement Datasheet - Cont.**

**Project:** CWPD Car Wash Mundelein, IL  
**Site Address/Location:** 301 East Route 83  
**Site ID:** ST-4



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



**80hp Predator Quiet Dryer System Specifications**

| Center Band Sound Frequency | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1,000 Hz | 2,000 Hz | 4,000 Hz | 8,000 Hz |
|-----------------------------|-------|--------|--------|--------|----------|----------|----------|----------|
| Final Sound Pressure Level  | 49.6  | 58.4   | 71.5   | 73.2   | 70.7     | 69.2     | 63.1     | 53.0     |
| Final Sound Pressure Level  | 47.0  | 55.5   | 68.6   | 70.1   | 67.6     | 66.2     | 60.1     | 49.6     |
| Final Sound Pressure Level  | 45.4  | 53.8   | 66.9   | 68.2   | 65.8     | 64.4     | 58.4     | 47.6     |
| Final Sound Pressure Level  | 44.0  | 52.3   | 65.5   | 66.7   | 64.3     | 62.9     | 56.9     | 46.0     |
| Final Sound Pressure Level  | 42.8  | 51.1   | 64.2   | 65.4   | 63.0     | 61.6     | 55.6     | 44.6     |
| Final Sound Pressure Level  | 41.6  | 49.9   | 63.0   | 64.3   | 61.8     | 60.4     | 54.4     | 43.5     |
| Final Sound Pressure Level  | 40.6  | 48.9   | 62.0   | 63.2   | 60.8     | 59.4     | 53.4     | 42.4     |
| Final Sound Pressure Level  | 39.7  | 48.0   | 61.1   | 62.3   | 59.9     | 58.5     | 52.5     | 41.5     |
| Final Sound Pressure Level  | 38.9  | 47.2   | 60.3   | 61.5   | 59.0     | 57.6     | 51.6     | 40.6     |
| Final Sound Pressure Level  | 38.1  | 46.4   | 59.5   | 60.7   | 58.3     | 56.9     | 50.9     | 39.8     |
| Final Sound Pressure Level  | 37.4  | 45.7   | 58.8   | 60.0   | 57.6     | 56.2     | 50.2     | 39.1     |
| Final Sound Pressure Level  | 36.8  | 45.0   | 58.2   | 59.3   | 56.9     | 55.5     | 49.5     | 38.5     |
| Final Sound Pressure Level  | 36.2  | 44.4   | 57.5   | 58.7   | 56.3     | 54.9     | 48.9     | 37.9     |
| Final Sound Pressure Level  | 35.6  | 43.8   | 57.0   | 58.2   | 55.7     | 54.3     | 48.3     | 37.3     |
| Final Sound Pressure Level  | 35.1  | 43.3   | 56.4   | 57.6   | 55.2     | 53.8     | 47.8     | 36.7     |
| Final Sound Pressure Level  | 34.6  | 42.8   | 55.9   | 57.1   | 54.7     | 53.3     | 47.3     | 36.2     |

**Total Sound**  
60 Hz Results

|      |                     |
|------|---------------------|
| 77.6 | dBA at Q=1, 5 feet  |
| 74.6 | dBA at Q=1, 10 feet |
| 72.8 | dBA at Q=1, 15 feet |
| 71.3 | dBA at Q=1, 20 feet |
| 70.0 | dBA at Q=1, 25 feet |
| 68.9 | dBA at Q=1, 30 feet |
| 67.9 | dBA at Q=1, 35 feet |
| 66.9 | dBA at Q=1, 40 feet |
| 66.1 | dBA at Q=1, 45 feet |
| 65.3 | dBA at Q=1, 50 feet |
| 64.6 | dBA at Q=1, 55 feet |
| 64.0 | dBA at Q=1, 60 feet |
| 63.4 | dBA at Q=1, 65 feet |
| 62.8 | dBA at Q=1, 70 feet |
| 62.2 | dBA at Q=1, 75 feet |
| 61.7 | dBA at Q=1, 80 feet |

Sound pressure values are approximated from outdoor propagation equation for planes waves given the sound power values.

\* All information provided by MD Acoustics, LLC via tests performed in Cary, IL IDC facilities.

## Sound Power Values

|                        |      |      |      |      |      |      |      |      |
|------------------------|------|------|------|------|------|------|------|------|
| Predator Side Column   | 55.6 | 66.9 | 79.7 | 82.9 | 80.2 | 78.6 | 72.4 | 64.0 |
| Predator Hogger Single | 67.8 | 75.8 | 88.9 | 89.8 | 87.4 | 86.1 | 80.1 | 68.3 |

Lw\_eq  
86.9  
94.5



## STEALTH PREDATOR DRYING SYSTEM



### THE FIRST "ULTRA QUIET" DRYING SYSTEM

- ✓Patent pending Reverse flow technology
- ✓Producers constructed from 304 surgical stainless steel
- ✓Over 11,000 cubic feet per minute (CFM) per 10HP motor
- ✓Meets or exceeds most U.S. and International sound regulations
- ✓Sound & Performance studies done in reverberant sound room ISO 3741:2010, 3747:2010



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Cary, IL 60013



# Stealth Predator Ultra-Quiet Drying System Specifications

## 30HP System - Total Sound 60Hz

## 80HP System - Total Sound 60Hz

Q = sound source

65 dBA at Q=1, 30 feet

61.8 dBA at Q=1, 45 feet

60.2 dBA at Q=1, 55 feet

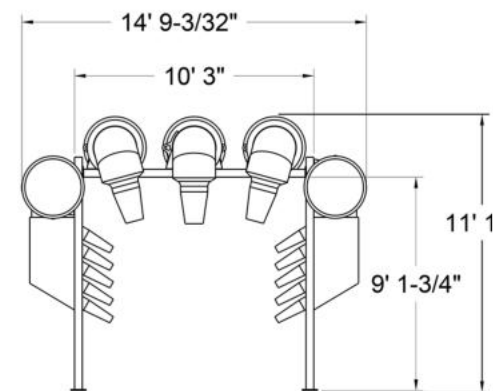
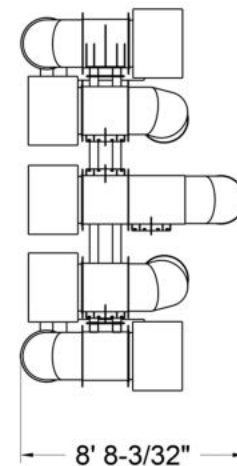
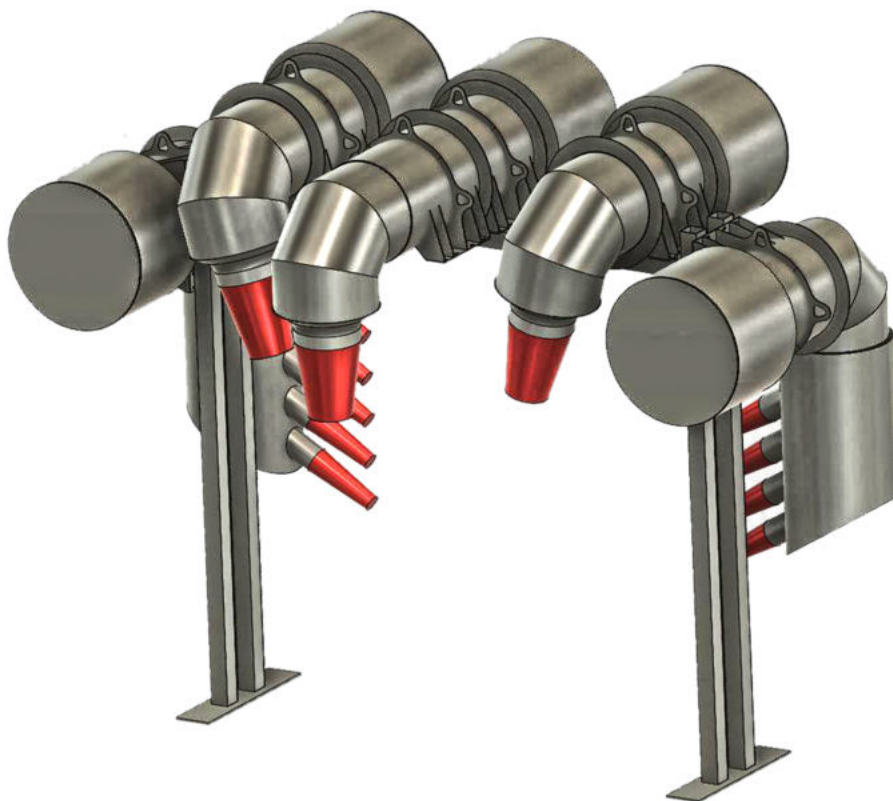
69.4 dBA at Q=1, 30 feet

66.5 dBA at Q=1, 45 feet

64.9 dBA at Q=1, 55 feet

## Meets OSHA Sound Exposure Requirements

✓ The Stealth Predator features patent pending "Reverse flow air technology" which creates the first "Ultra-Quiet Dryer" and is the most powerful Ultra Quiet Dryer ever designed.



## SPECIFICATIONS

15' 2" Bay Width  
12' 0" Ceiling Height  
96" Standard Clearance

Ducts-Stainless Steel  
Molded Aluminum Impellers  
Stainless Steel Motor Housings

Closed cell foam nozzles available in red, blue, black

Slotted flanges for adjustability of air outlet and air intake direction



**SOUND LEVEL METER READINGS**

**MODEL:** FT-DD-T340HP4 (40hp VACSTAR TURBINE VACUUM PRODUCER)

**READING ONE:** 73 DB-A, 3 FEET FROM TURBINE @ 45° ANGLE  
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

**READING TWO:** 69 DB-A, 10 FEET FROM TURBINE @ 45° ANGLE  
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

**READING THREE:** 54 DB-A, 20 FEET FROM TURBINE @ 45° ANGLE  
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

**READING FOUR:** 38 DB-A, 30 FEET FROM TURBINE @ 45° ANGLE  
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

**NOTE:** THESE READINGS WERE TAKEN OUTSIDE IN THE OPEN ON A CONCRETE SLAB.

**SOUND LEVEL METER USED:**

SIMPSON MODEL #40003 – MSHA APPROVED.  
MEETS OSHA & WALSH-HEALY REQUIREMENTS FOR NOISE CONTROL.  
CONFORMS TO ANSI S1.4-1983, IEC 651 SPECS FOR METER TYPE.

*Vacutech*  
*1350 Hi-Tech Drive, Sheridan WY, 82801*  
*PHONE: (800) 917-9444 FAX: (303) 675-1988*  
*EMAIL: info@vacutechllc*  
*WEB SITE: vacutechllc.com*



|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Project:</b>             | SuperStar Car Wash Chula Vista      |
| <b>Site Location:</b>       | 1555 W Warner Rd, Gilbert, AZ 85233 |
| <b>Date:</b>                | 4/5/2018                            |
| <b>Field Tech/Engineer:</b> | Robert Pearson                      |
| <b>Source/System:</b>       | Vacutec System                      |

**Site Observations:**

Clear sky, measurements were performed within 1.5ft of source. Measurements were performed while the vacuum was positioned at three (3) different positions. Holstered, unholstered and inside a car. This data is utilized for acoustic modeling purposes and represents an average sound level at a vacuum station.

**Location:** Vac Bay 1  
**Sound Meter:** NTi XL2 **SN:** A2A-05967-E0  
**Settings:** A-weighted, slow, 1-sec, 10-sec duration  
**Meteorological Cond.:** 80 degrees F, 2 mph wind

### Table 1: Summary Measurement Data

| Source                 | System | Overall<br>dB(A) | 3rd Octave Band Data (dBA) |    |      |    |    |    |    |     |     |     |     |     |     |     |     |     |     |    |       |      |    |      |       |    |    |      |    |     |       |     |     |
|------------------------|--------|------------------|----------------------------|----|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|------|----|------|-------|----|----|------|----|-----|-------|-----|-----|
|                        |        |                  | 20                         | 25 | 31.5 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1K | 1.25K | 1.6K | 2K | 2.5K | 3.15K | 4K | 5K | 6.3K | 8K | 10K | 12.5K | 16K | 20K |
| Vacutech (Holstered)   | Vacuum | 63.3             | 9                          | 17 | 22   | 29 | 31 | 35 | 40 | 41  | 44  | 43  | 46  | 48  | 47  | 49  | 51  | 51  | 51  | 52 | 53    | 52   | 52 | 50   | 52    | 53 | 50 | 47   | 47 | 48  | 45    | 39  | 30  |
| Vacutech (Unholstered) | Vacuum | 80.7             | 6                          | 19 | 22   | 28 | 34 | 37 | 40 | 43  | 47  | 46  | 48  | 48  | 49  | 54  | 55  | 58  | 58  | 62 | 65    | 68   | 70 | 74   | 75    | 73 | 69 | 67   | 65 | 63  | 60    | 55  |     |
| Vacutech (Inside Car)  | Vacuum | 69.6             | 16                         | 28 | 31   | 38 | 42 | 45 | 49 | 51  | 52  | 55  | 60  | 61  | 57  | 55  | 59  | 53  | 55  | 56 | 54    | 57   | 57 | 57   | 57    | 57 | 55 | 54   | 51 | 48  | 46    | 42  | 36  |
| Average Level*         | Vacuum | 76.3             | 13                         | 24 | 28   | 34 | 38 | 41 | 45 | 47  | 49  | 51  | 56  | 57  | 53  | 52  | 56  | 54  | 56  | 56 | 59    | 61   | 64 | 66   | 69    | 70 | 68 | 64   | 62 | 60  | 58    | 55  | 50  |

\* Refers to the logarithmic average of all measurements. This measurement represents an average of the multiple vacuum positions.

**Figure 1: Example Measurement Position**

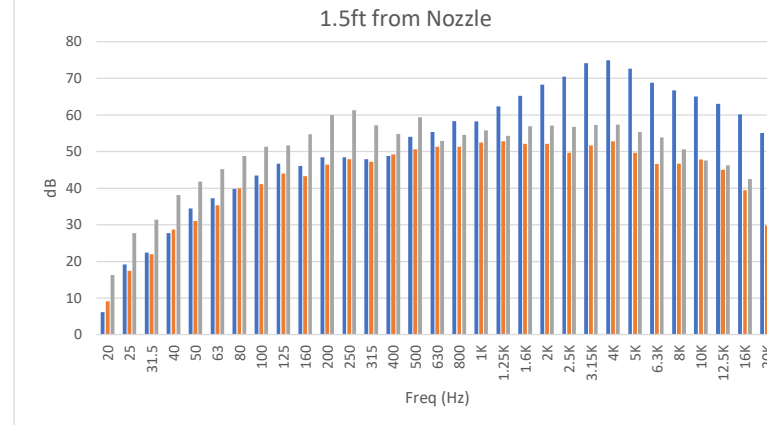
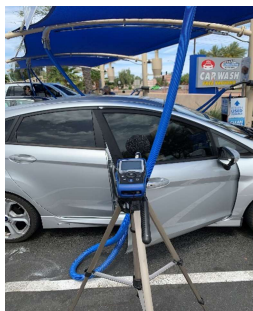
**Figure 1: Holstered**



### Figure 2: Unholstered



**Figure 3: Inside Car**



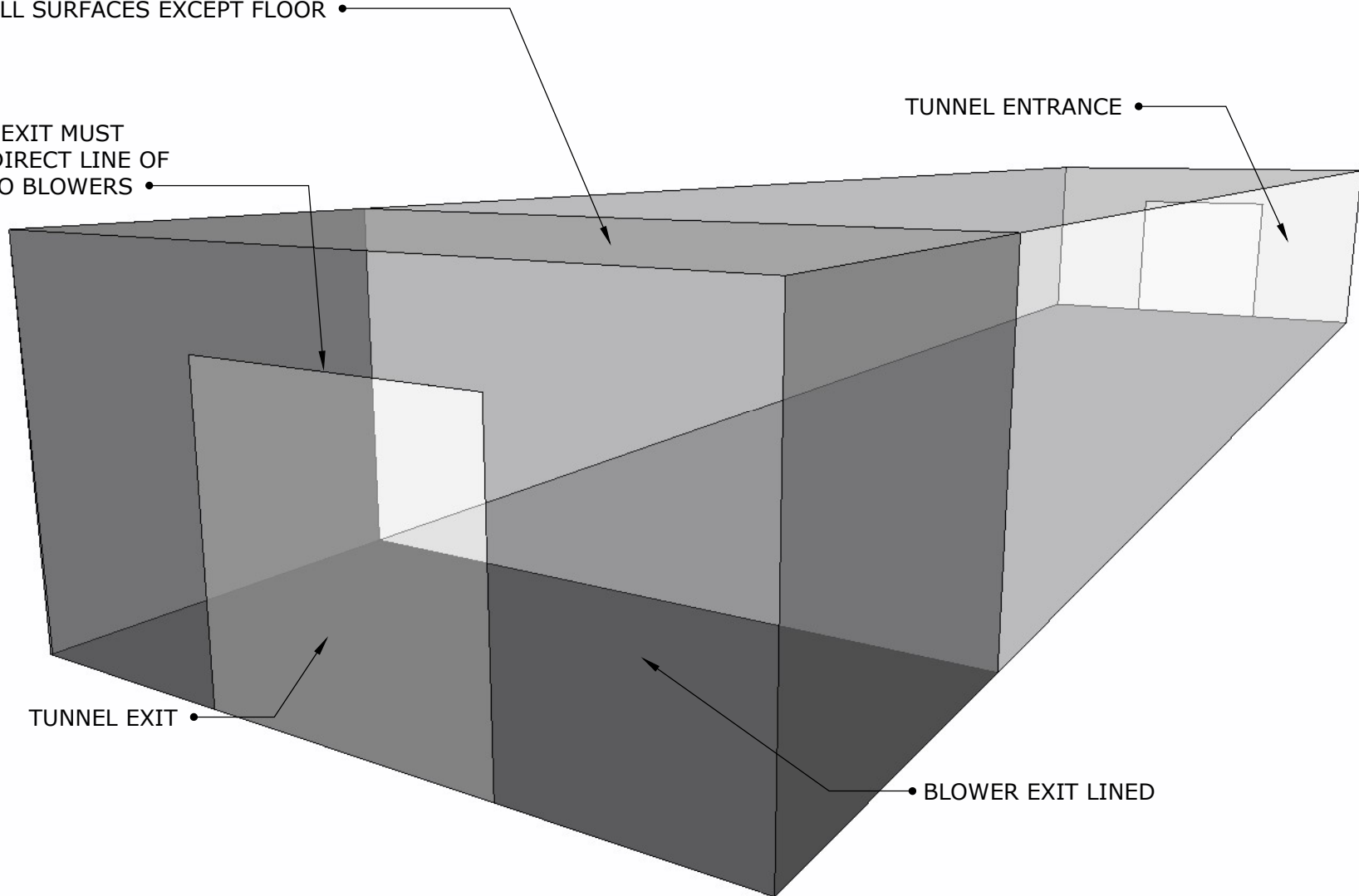
LINE EXIT INTERIOR SECTION  
OF BLOWER ROOM W/ 2" THICK ACOUSTIC  
MATERIAL W/ NRC 1.0 OR EQUIVALENT.  
LINER NEEDS TO BE ADDED  
TO ALL SURFACES EXCEPT FLOOR

TUNNEL EXIT MUST  
BLOCK DIRECT LINE OF  
SIGHT TO BLOWERS

TUNNEL ENTRANCE

TUNNEL EXIT

BLOWER EXIT LINED



Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



## Appendix I



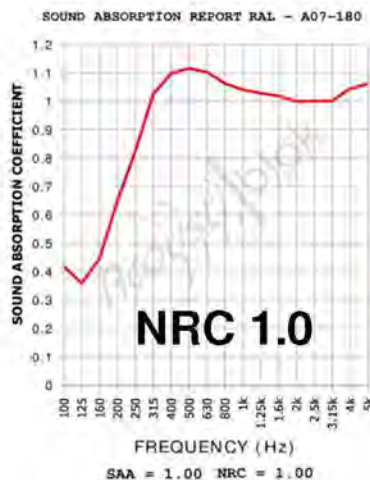
MADE IN USA



North American Office  
**Acoustiblok, Inc.**  
 6900 Interbay Boulevard  
 Tampa, FL 33616 USA  
 Phone: 813-980-1400  
 Fax: 813-549-2653  
 www.acoustiblok.com  
 sales@acoustiblok.com

## Industrial Model All Weather Sound Panel™ (Pat. Pend)

### Technical Data



Acoustiblok All Weather Sound Panels™ achieve high STC and NRC ratings. They have been specifically designed to withstand outdoor exposure in full sunlight, extreme weather conditions, and harsh industrial environments. (NRC of 1.0 is the highest sound absorption rating possible)

All Weather Sound Panels include an internal layer of U.L. classified Acoustiblok sound isolation material plus a specifically engineered 2" thick weather proof sound absorbing material.

| Specifications:                                                        |         |                                                                                                               |
|------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------|
| NRC (Noise Reduction Coefficient):                                     | 1.00 *  | Gross dimensions: up to 48" x 120" x 2.423", $\pm 0.125"$ custom sizes available on special order.            |
| STC (Sound Transmission Class):                                        | 29 *    | Frame construction: 0.125" welded corrosion resistant 6063-T5 aluminum, mill finish, eyelets: 0.375" (18 ea.) |
| Weight: (8' panel)                                                     | 104 lbs | Front face: 0.040 corrosion resistant 5052-H32 aluminum alloy, 3/32" round holes staggered on 5/32" centers.  |
| UL Std 723 fire resistance:<br>Flame spread 0, smoke developed 0.      |         | Back face: 0.032 corrosion resistant 5052-H32 aluminum alloy, mill finish.                                    |
| UV tolerant, animal resistant, washable, does not support mold growth. |         |                                                                                                               |

\* Independent Testing by accredited NVLAP testing facility in compliance with ASTM E90, E 413, and other applicable industry standards.

Subject to change without notice, contact Acoustiblok for details.



# Product Data Sheet

## Product Name

### QuietFiber® Hydrophobic Noise Absorption Material – QF2

#### For Manufacturer Info:

##### Contact:

Acoustiblok, Inc.  
 6900 Interbay Boulevard  
 Tampa, FL 33616  
 Call - (813) 980-1400  
 Fax - (813)849-6347  
 Email - [sales@acoustiblok.com](mailto:sales@acoustiblok.com)  
[www.acoustiblok.com](http://www.acoustiblok.com)

## Product Description

### Basic Use

QuietFiber hydrophobic noise absorption material is an easily installed solution to many noise problems. It is engineered specifically for maximum noise absorption and is used extensively for industrial and commercial applications and is now being successfully introduced into non-industrial environments where reverberant sound and echo is a problem.

### QuietFiber® QF2

QuietFiber is rated at the highest noise reduction level – NRC 1.00. Areas of high noise levels including sound reverberation can be resolved easily and economically by introducing QuietFiber into as much of the area as possible. The amount of noise reduction in highly reflective rooms will be directly relative to how much of the QuietFiber material can be installed into the room.

Unlike other fibrous materials which do not have the same high NRC ratings, QuietFiber is hydrophobic, meaning it will not absorb nor combine with water. Marine noise reduction applications are endless.



### QuietFiber® QF2

- Highest noise absorption rating of NRC 1.00
- Non Silica
- Virtually fireproof – Class A fire rating  
     0 Smoke + 0 Flame Development
- Hydrophobic – will not combine with water
- Will not support mold or mildew growth
- Available in plain, black or white face
- Full outdoor weather and U.V. tolerant
- Significant sound benefit v. fiberglass
- Install on top of acoustical ceiling tiles
- High temperature capable
- Comprised of up to 90% recycled material
- 100% recyclable





# Product Data Sheet

## Product Name

QuietFiber® Hydrophobic Noise Absorption Material – QF2

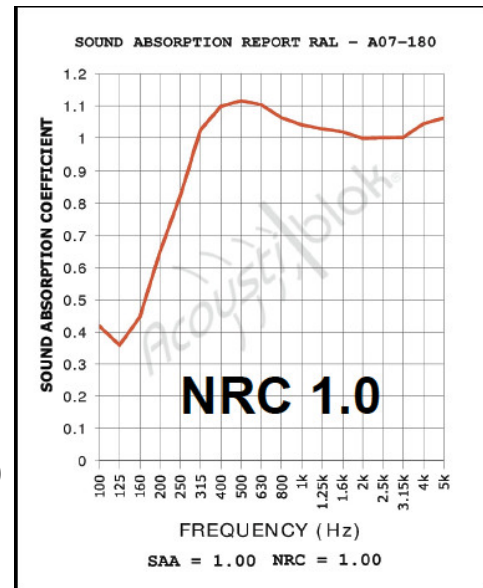
| NRC 1.0<br>Rated | 125hz | 250hz | 500hz | 1000hz | 2000hz | 4000hz |
|------------------|-------|-------|-------|--------|--------|--------|
|                  | 0.36  | 0.79  | 1.15  | 1.04   | 1.01   | 1.04   |

### Technical Data:

- ASTM C 423 – NRC 1.00
- ASTM E 84 – Class 1, 0 Flame 0 Smoke
- ASTM C 518 – R 4.2 per inch
- ASTM C 518 – 0.24 @ 75°F (24°C)

### Standards Compliance:

- ASTM C 665 Non-Corrosive Type I
- ASTM C 612 1A, 1B, II, III
- ASTM E 136 Rated Non-combustible per NFPA Standard 220
- ASTM C 1104 Absorption less than 1% by volume
- ASTM C 356 Linear shrinkage <2% @ 1200°F (650°C)



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[www.Acoustiblok.com](http://www.Acoustiblok.com)  
[sales@acoustiblok.com](mailto:sales@acoustiblok.com)

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## **Appendix B**

### Traffic Noise Model



## FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

| PROJECT: <span style="color: blue;">CWPD Mundelein</span><br>ROADWAY: <span style="color: blue;">IL Rte 83/60</span><br>LOCATION: <span style="color: blue;">South PL (R1)</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | JOB #: <span style="color: blue;">1006-2022-01</span><br>DATE: <span style="color: blue;">17-Jun-22</span><br>ENGINEER: <span style="color: blue;">M. Dickerson</span>                                                                                                                                                                                                                                                                                                                    |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|-----------|----------|-------------|--------------|--------|-------------|--------|--------------|-------|-------|-------|--------|---------------|-------|-------|-------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|------------------|-------------|------|--------|------|--------------------|------|--------|------|--------------|------|--------|------|
| <b>NOISE INPUT DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| ROADWAY CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RECEIVER INPUT DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| ADT = <span style="color: blue;">20,900</span><br>SPEED = <span style="color: blue;">40</span><br>PK HR % = <span style="color: blue;">10</span><br>NEAR LANE/FAR LANE DIS = <span style="color: blue;">48</span><br>ROAD ELEVATION = <span style="color: blue;">0.0</span><br>GRADE = <span style="color: blue;">1.0</span> %<br>PK HR VOL = <span style="color: blue;">2,090</span>                                                                                                                                                                                                                                                                                                                                                                            | RECEIVER DISTANCE = <span style="color: blue;">350</span><br>DIST C/L TO WALL = <span style="color: blue;">100</span><br>RECEIVER HEIGHT = <span style="color: blue;">5.0</span><br>WALL DISTANCE FROM RECEIVER = <span style="color: blue;">250</span><br>PAD ELEVATION = <span style="color: blue;">0.5</span><br>ROADWAY VIEW:    LF ANGLE= <span style="color: blue;">-90</span><br>RT ANGLE= <span style="color: blue;">90</span><br>DF ANGLE= <span style="color: blue;">180</span> |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| SITE CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WALL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| AUTOMOBILES = <span style="color: blue;">15</span><br>MEDIUM TRUCKS = <span style="color: blue;">15</span> (10 = HARD SITE, 15 = SOFT SITE)<br>HEAVY TRUCKS = <span style="color: blue;">15</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HTH WALL = <span style="color: blue;">0.0</span><br>AMBIENT= <span style="color: blue;">0.0</span><br>BARRIER = <span style="color: blue;">0</span> (0 = WALL, 1 = BERM)                                                                                                                                                                                                                                                                                                                  |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| VEHICLE MIX DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MISC. VEHICLE INFO                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>DAY</th> <th>EVENING</th> <th>NIGHT</th> <th>DAILY</th> </tr> <tr> <td>AUTOMOBILES</td> <td>0.775</td> <td>0.129</td> <td>0.096</td> <td>0.9629</td> </tr> <tr> <td>MEDIUM TRUCK</td> <td>0.848</td> <td>0.049</td> <td>0.103</td> <td>0.0203</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>0.865</td> <td>0.027</td> <td>0.108</td> <td>0.0167</td> </tr> </table>                                                                                                                                                                                                                                                                            | VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DAY                | EVENING          | NIGHT     | DAILY    | AUTOMOBILES | 0.775        | 0.129  | 0.096       | 0.9629 | MEDIUM TRUCK | 0.848 | 0.049 | 0.103 | 0.0203 | HEAVY TRUCKS  | 0.865 | 0.027 | 0.108 | 0.0167 | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>HEIGHT</th> <th>SLE DISTANCE</th> <th>GRADE ADJUSTMENT</th> </tr> <tr> <td>AUTOMOBILES</td> <td>2.0</td> <td>349.19</td> <td>--</td> </tr> <tr> <td>MEDIUM TRUCKS</td> <td>4.0</td> <td>349.18</td> <td>--</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>8.0</td> <td>349.19</td> <td>0.00</td> </tr> </table> | VEHICLE TYPE | HEIGHT       | SLE DISTANCE | GRADE ADJUSTMENT | AUTOMOBILES | 2.0  | 349.19 | --   | MEDIUM TRUCKS      | 4.0  | 349.18 | --   | HEAVY TRUCKS | 8.0  | 349.19 | 0.00 |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EVENING            | NIGHT            | DAILY     |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.129              | 0.096            | 0.9629    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| MEDIUM TRUCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.848                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.049              | 0.103            | 0.0203    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.865                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.027              | 0.108            | 0.0167    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SLE DISTANCE       | GRADE ADJUSTMENT |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 349.19             | --               |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 349.18             | --               |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 349.19             | 0.00             |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <b>NOISE OUTPUT DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <i>NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>PK HR LEQ</th> <th>DAY LEQ</th> <th>EVEN LEQ</th> <th>NIGHT LEQ</th> <th>LDN</th> <th>CNEL</th> </tr> <tr> <td>AUTOMOBILES</td> <td>55.1</td> <td>53.2</td> <td>51.4</td> <td>45.4</td> <td>54.0</td> <td>54.6</td> </tr> <tr> <td>MEDIUM TRUCKS</td> <td>47.3</td> <td>45.8</td> <td>39.4</td> <td>37.9</td> <td>46.4</td> <td>46.6</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>51.3</td> <td>49.9</td> <td>40.9</td> <td>42.1</td> <td>50.5</td> <td>50.6</td> </tr> <tr> <td>NOISE LEVELS (dBA)</td> <td>57.1</td> <td>55.4</td> <td style="background-color: yellow;">52.0</td> <td>47.6</td> <td>56.1</td> <td>56.5</td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VEHICLE TYPE       | PK HR LEQ        | DAY LEQ   | EVEN LEQ | NIGHT LEQ   | LDN          | CNEL   | AUTOMOBILES | 55.1   | 53.2         | 51.4  | 45.4  | 54.0  | 54.6   | MEDIUM TRUCKS | 47.3  | 45.8  | 39.4  | 37.9   | 46.4                                                                                                                                                                                                                                                                                                                                                                                                                             | 46.6         | HEAVY TRUCKS | 51.3         | 49.9             | 40.9        | 42.1 | 50.5   | 50.6 | NOISE LEVELS (dBA) | 57.1 | 55.4   | 52.0 | 47.6         | 56.1 | 56.5   |      |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PK HR LEQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DAY LEQ            | EVEN LEQ         | NIGHT LEQ | LDN      | CNEL        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 53.2               | 51.4             | 45.4      | 54.0     | 54.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 47.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.8               | 39.4             | 37.9      | 46.4     | 46.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 49.9               | 40.9             | 42.1      | 50.5     | 50.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| NOISE LEVELS (dBA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 57.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55.4               | 52.0             | 47.6      | 56.1     | 56.5        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <i>NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
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| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PK HR LEQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DAY LEQ            | EVEN LEQ         | NIGHT LEQ | LDN      | CNEL        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 53.2               | 51.4             | 45.4      | 54.0     | 54.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 47.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.8               | 39.4             | 37.9      | 46.4     | 46.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 49.9               | 40.9             | 42.1      | 50.5     | 50.6        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| NOISE LEVELS (dBA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 57.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55.4               | 52.0             | 47.6      | 56.1     | 56.5        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="5">NOISE CONTOUR (FT)</th></tr> <tr> <th>NOISE LEVELS</th><th>70 dBA</th><th>65 dBA</th><th>60 dBA</th><th>55 dBA</th></tr> <tr> <td>CNEL</td><td>44</td><td>95</td><td>205</td><td>442</td></tr> <tr> <td>LDN</td><td>41</td><td>89</td><td>192</td><td>413</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NOISE CONTOUR (FT) |                  |           |          |             | NOISE LEVELS | 70 dBA | 65 dBA      | 60 dBA | 55 dBA       | CNEL  | 44    | 95    | 205    | 442           | LDN   | 41    | 89    | 192    | 413                                                                                                                                                                                                                                                                                                                                                                                                                              |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| NOISE CONTOUR (FT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| NOISE LEVELS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 70 dBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 65 dBA             | 60 dBA           | 55 dBA    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| CNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 95                 | 205              | 442       |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |
| LDN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 89                 | 192              | 413       |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |              |              |                  |             |      |        |      |                    |      |        |      |              |      |        |      |

## FHWA-RD-77-108 HIGHWAY NOISE PREDICTION MODEL

| PROJECT: <span style="color: blue;">CWPD Mundelein</span><br>ROADWAY: <span style="color: blue;">IL Rte 83/60</span><br>LOCATION: <span style="color: blue;">House to the West of project site (R2)</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JOB #: <span style="color: blue;">1006-2022-01</span><br>DATE: <span style="color: blue;">17-Jun-22</span><br>ENGINEER: <span style="color: blue;">M. Dickerson</span>                                                                                                                                                                                                                                                                                                                  |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|-----------|----------|-------------|--------------|--------|-------------|--------|--------------|-------|-------|-------|--------|---------------|-------|-------|-------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|------------------|-------------|------|-------|------|--------------------|------|-------|------|--------------|------|-------|------|
| <b>NOISE INPUT DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| ROADWAY CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RECEIVER INPUT DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| ADT = <span style="color: blue;">20,900</span><br>SPEED = <span style="color: blue;">40</span><br>PK HR % = <span style="color: blue;">10</span><br>NEAR LANE/FAR LANE DIS = <span style="color: blue;">48</span><br>ROAD ELEVATION = <span style="color: blue;">0.0</span><br>GRADE = <span style="color: blue;">1.0</span> %<br>PK HR VOL = <span style="color: blue;">2,090</span>                                                                                                                                                                                                                                                                                                                                                                            | RECEIVER DISTANCE = <span style="color: blue;">100</span><br>DIST C/L TO WALL = <span style="color: blue;">100</span><br>RECEIVER HEIGHT = <span style="color: blue;">5.0</span><br>WALL DISTANCE FROM RECEIVER = <span style="color: blue;">0</span><br>PAD ELEVATION = <span style="color: blue;">0.5</span><br>ROADWAY VIEW:    LF ANGLE= <span style="color: blue;">-90</span><br>RT ANGLE= <span style="color: blue;">90</span><br>DF ANGLE= <span style="color: blue;">180</span> |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| SITE CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WALL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| AUTOMOBILES = <span style="color: blue;">15</span><br>MEDIUM TRUCKS = <span style="color: blue;">15</span> (10 = HARD SITE, 15 = SOFT SITE)<br>HEAVY TRUCKS = <span style="color: blue;">15</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HTH WALL = <span style="color: blue;">0.0</span><br>AMBIENT= <span style="color: blue;">0.0</span><br>BARRIER = <span style="color: blue;">0</span> (0 = WALL, 1 = BERM)                                                                                                                                                                                                                                                                                                                |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| VEHICLE MIX DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MISC. VEHICLE INFO                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>DAY</th> <th>EVENING</th> <th>NIGHT</th> <th>DAILY</th> </tr> <tr> <td>AUTOMOBILES</td> <td>0.775</td> <td>0.129</td> <td>0.096</td> <td>0.9629</td> </tr> <tr> <td>MEDIUM TRUCK</td> <td>0.848</td> <td>0.049</td> <td>0.103</td> <td>0.0203</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>0.865</td> <td>0.027</td> <td>0.108</td> <td>0.0167</td> </tr> </table>                                                                                                                                                                                                                                                                            | VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DAY                | EVENING          | NIGHT     | DAILY    | AUTOMOBILES | 0.775        | 0.129  | 0.096       | 0.9629 | MEDIUM TRUCK | 0.848 | 0.049 | 0.103 | 0.0203 | HEAVY TRUCKS  | 0.865 | 0.027 | 0.108 | 0.0167 | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>HEIGHT</th> <th>SLE DISTANCE</th> <th>GRADE ADJUSTMENT</th> </tr> <tr> <td>AUTOMOBILES</td> <td>2.0</td> <td>97.14</td> <td>--</td> </tr> <tr> <td>MEDIUM TRUCKS</td> <td>4.0</td> <td>97.09</td> <td>--</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>8.0</td> <td>97.11</td> <td>0.00</td> </tr> </table> | VEHICLE TYPE | HEIGHT       | SLE DISTANCE | GRADE ADJUSTMENT | AUTOMOBILES | 2.0  | 97.14 | --   | MEDIUM TRUCKS      | 4.0  | 97.09 | --   | HEAVY TRUCKS | 8.0  | 97.11 | 0.00 |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EVENING            | NIGHT            | DAILY     |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.129              | 0.096            | 0.9629    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| MEDIUM TRUCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.848                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.049              | 0.103            | 0.0203    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.865                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.027              | 0.108            | 0.0167    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SLE DISTANCE       | GRADE ADJUSTMENT |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 97.14              | --               |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 97.09              | --               |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 97.11              | 0.00             |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <b>NOISE OUTPUT DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <i>NOISE IMPACTS (WITHOUT TOPO OR BARRIER SHIELDING)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>VEHICLE TYPE</th> <th>PK HR LEQ</th> <th>DAY LEQ</th> <th>EVEN LEQ</th> <th>NIGHT LEQ</th> <th>LDN</th> <th>CNEL</th> </tr> <tr> <td>AUTOMOBILES</td> <td>63.4</td> <td>61.5</td> <td>59.8</td> <td>53.7</td> <td>62.3</td> <td>62.9</td> </tr> <tr> <td>MEDIUM TRUCKS</td> <td>55.6</td> <td>54.1</td> <td>47.8</td> <td>46.2</td> <td>54.7</td> <td>54.9</td> </tr> <tr> <td>HEAVY TRUCKS</td> <td>59.6</td> <td>58.2</td> <td>49.2</td> <td>50.4</td> <td>58.8</td> <td>58.9</td> </tr> <tr> <td>NOISE LEVELS (dBA)</td> <td>65.4</td> <td>63.7</td> <td style="background-color: yellow;">60.4</td> <td>55.9</td> <td>64.4</td> <td>64.9</td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | VEHICLE TYPE       | PK HR LEQ        | DAY LEQ   | EVEN LEQ | NIGHT LEQ   | LDN          | CNEL   | AUTOMOBILES | 63.4   | 61.5         | 59.8  | 53.7  | 62.3  | 62.9   | MEDIUM TRUCKS | 55.6  | 54.1  | 47.8  | 46.2   | 54.7                                                                                                                                                                                                                                                                                                                                                                                                                          | 54.9         | HEAVY TRUCKS | 59.6         | 58.2             | 49.2        | 50.4 | 58.8  | 58.9 | NOISE LEVELS (dBA) | 65.4 | 63.7  | 60.4 | 55.9         | 64.4 | 64.9  |      |
| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PK HR LEQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DAY LEQ            | EVEN LEQ         | NIGHT LEQ | LDN      | CNEL        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 63.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 61.5               | 59.8             | 53.7      | 62.3     | 62.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 55.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 54.1               | 47.8             | 46.2      | 54.7     | 54.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 59.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 58.2               | 49.2             | 50.4      | 58.8     | 58.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| NOISE LEVELS (dBA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 65.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 63.7               | 60.4             | 55.9      | 64.4     | 64.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <i>NOISE IMPACTS (WITH TOPO AND BARRIER SHIELDING)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
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| VEHICLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PK HR LEQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DAY LEQ            | EVEN LEQ         | NIGHT LEQ | LDN      | CNEL        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| AUTOMOBILES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 63.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 61.5               | 59.8             | 53.7      | 62.3     | 62.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| MEDIUM TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 55.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 54.1               | 47.8             | 46.2      | 54.7     | 54.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| HEAVY TRUCKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 59.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 58.2               | 49.2             | 50.4      | 58.8     | 58.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| NOISE LEVELS (dBA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 65.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 63.7               | 60.4             | 55.9      | 64.4     | 64.9        |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="5">NOISE CONTOUR (FT)</th></tr> <tr> <th>NOISE LEVELS</th><th>70 dBA</th><th>65 dBA</th><th>60 dBA</th><th>55 dBA</th></tr> <tr> <td>CNEL</td><td>45</td><td>98</td><td>211</td><td>454</td></tr> <tr> <td>LDN</td><td>42</td><td>91</td><td>197</td><td>425</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NOISE CONTOUR (FT) |                  |           |          |             | NOISE LEVELS | 70 dBA | 65 dBA      | 60 dBA | 55 dBA       | CNEL  | 45    | 98    | 211    | 454           | LDN   | 42    | 91    | 197    | 425                                                                                                                                                                                                                                                                                                                                                                                                                           |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| NOISE CONTOUR (FT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                  |           |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| NOISE LEVELS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 70 dBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 65 dBA             | 60 dBA           | 55 dBA    |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| CNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 98                 | 211              | 454       |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |
| LDN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 91                 | 197              | 425       |          |             |              |        |             |        |              |       |       |       |        |               |       |       |       |        |                                                                                                                                                                                                                                                                                                                                                                                                                               |              |              |              |                  |             |      |       |      |                    |      |       |      |              |      |       |      |

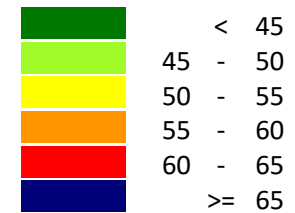


## **Appendix C**

### SoundPLAN Inputs/Outputs

10062201\_301 East Route 83  
Noise Level Contours  
130HP Stealth Predator Blower System  
Lined Tunnel

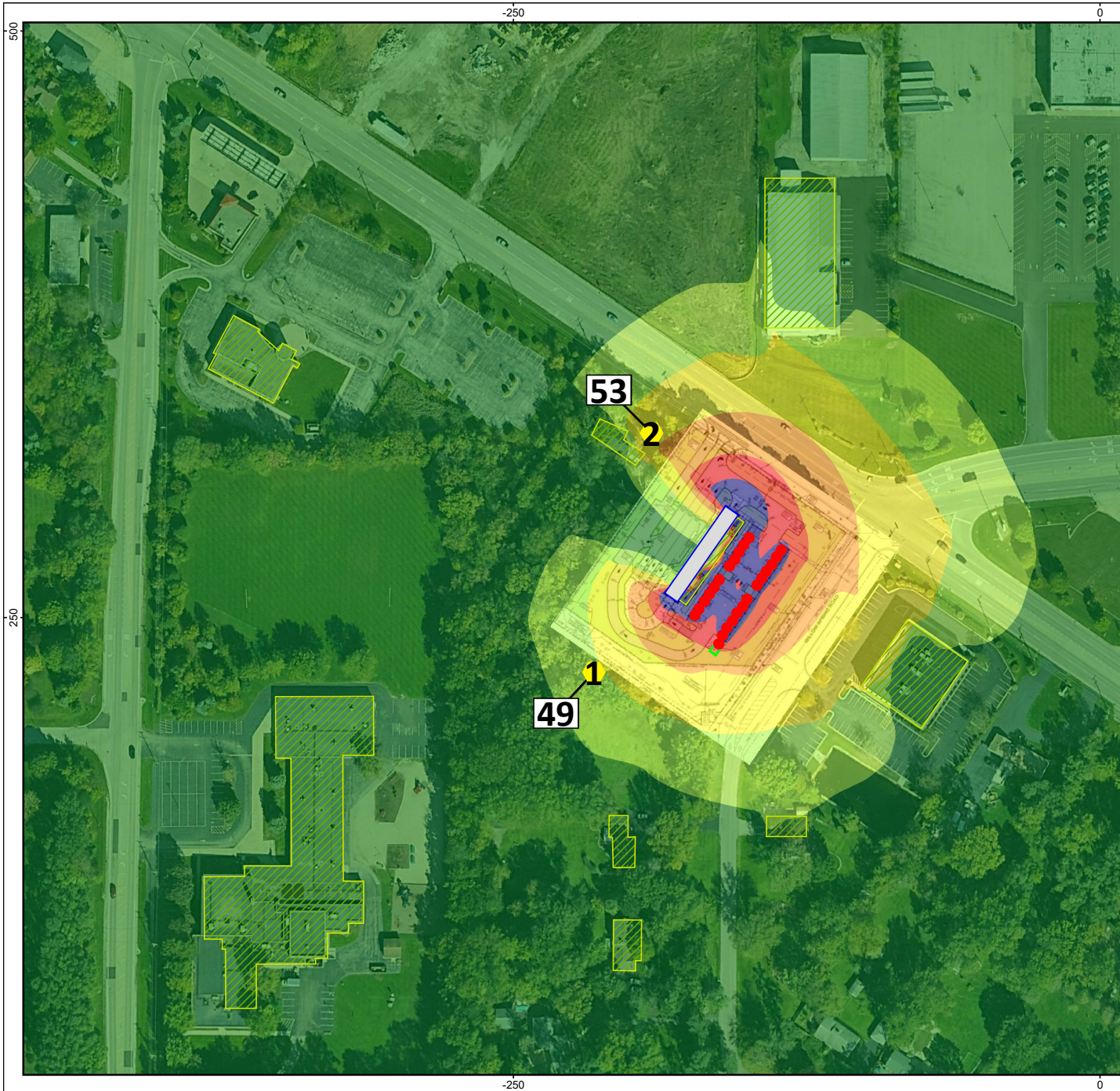
Levels in dB(A)



Signs and symbols

-  Level table, dBA
-  Buildings
-  Tunnel Enclosure
-  Point Source: (Vacuums)
-  Turbine Enclosure
-  Receptor

Length scale 1:140





## 301 East Route 83

### Contribution spectra - 004 - 120HP Stealth Predator - Lined:

| Source                                                                | Time slice | Sum<br>dB(A) | 63Hz<br>dB(A) | 125Hz<br>dB(A) | 250Hz<br>dB(A) | 500Hz<br>dB(A) | 1kHz<br>dB(A) | 2kHz<br>dB(A) | 4kHz<br>dB(A) | 8kHz<br>dB(A) | 16kHz<br>dB(A) |
|-----------------------------------------------------------------------|------------|--------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| Receiver R1 FI G Lr,lim dB(A) Leq,d 49.0 dB(A) Sigma(Leq,d) 0.0 dB(A) |            |              |               |                |                |                |               |               |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 01              | Leq,d      | -0.3         |               | -8.8           | -2.1           | -7.9           | -18.5         | -24.5         |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 02              | Leq,d      | 2.4          |               | -3.4           | 0.3            | -7.5           | -19.9         | -27.7         |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 03              | Leq,d      | -10.5        |               | -16.8          | -12.4          | -20.1          |               |               |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 04              | Leq,d      | 10.4         |               | 3.2            | 8.4            | 2.5            | -8.1          | -13.8         | -25.3         |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Roof 01                | Leq,d      | 2.3          |               | -5.2           | 0.5            | -6.1           | -17.8         | -24.9         |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Transmissive area 01   | Leq,d      | 45.2         |               | 31.6           | 39.7           | 39.8           | 38.6          | 36.7          | 27.7          |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Transmissive area 01   | Leq,d      | 29.4         |               | 19.5           | 25.4           | 23.9           | 21.1          | 17.9          | 8.1           |               |                |
| Turbine                                                               | Leq,d      | 20.3         | -0.7          | 8.1            | 2.6            | 1.3            | 8.8           | 12.7          | 16.6          | 13.8          | -2.2           |
| Vac                                                                   | Leq,d      | 33.4         | 17.6          | 23.2           | 27.1           | 24.1           | 24.8          | 26.8          | 24.8          | 15.6          | -5.8           |
| Vac                                                                   | Leq,d      | 33.0         | 17.2          | 22.9           | 26.7           | 23.7           | 24.5          | 26.4          | 24.3          | 15.0          | -6.9           |
| Vac                                                                   | Leq,d      | 32.3         | 16.7          | 22.3           | 26.0           | 23.1           | 23.9          | 25.8          | 23.6          | 13.9          | -9.2           |
| Vac                                                                   | Leq,d      | 33.8         | 18.0          | 23.7           | 27.6           | 24.6           | 25.3          | 27.3          | 25.3          | 16.4          | -4.4           |
| Vac                                                                   | Leq,d      | 35.2         | 19.3          | 25.0           | 29.0           | 26.0           | 26.6          | 28.6          | 26.8          | 18.4          | -0.8           |
| Vac                                                                   | Leq,d      | 34.8         | 18.9          | 24.5           | 28.5           | 25.6           | 26.2          | 28.2          | 26.3          | 17.8          | -1.9           |
| Vac                                                                   | Leq,d      | 34.3         | 18.4          | 24.1           | 28.0           | 25.1           | 25.7          | 27.7          | 25.8          | 17.0          | -3.3           |
| Vac                                                                   | Leq,d      | 32.0         | 16.5          | 22.0           | 25.7           | 22.8           | 23.6          | 25.5          | 23.2          | 13.3          | -10.3          |
| Vac                                                                   | Leq,d      | 34.4         | 18.5          | 24.2           | 28.2           | 25.2           | 25.8          | 27.8          | 25.9          | 17.1          | -3.1           |
| Vac                                                                   | Leq,d      | 29.6         | 14.9          | 20.1           | 23.8           | 20.3           | 20.7          | 22.5          | 20.3          | 13.8          | -8.7           |
| Vac                                                                   | Leq,d      | 26.0         | 13.8          | 18.6           | 21.7           | 17.1           | 16.2          | 16.1          | 11.8          | 4.5           | -15.3          |
| Vac                                                                   | Leq,d      | 35.0         | 19.0          | 24.6           | 28.7           | 25.7           | 26.3          | 28.3          | 26.8          | 19.2          | -1.0           |
| Vac                                                                   | Leq,d      | 36.7         | 20.6          | 26.3           | 30.6           | 27.6           | 28.0          | 30.0          | 28.3          | 20.4          | 2.5            |
| Vac                                                                   | Leq,d      | 36.2         | 20.1          | 25.8           | 30.0           | 27.0           | 27.5          | 29.5          | 27.8          | 19.6          | 1.3            |
| Vac                                                                   | Leq,d      | 35.6         | 19.5          | 25.2           | 29.4           | 26.3           | 26.8          | 28.9          | 27.4          | 20.0          | 0.4            |
| Vac                                                                   | Leq,d      | 24.9         | 13.4          | 18.0           | 20.7           | 15.8           | 14.5          | 14.2          | 9.6           | -2.1          | -27.0          |
| Vac                                                                   | Leq,d      | 31.1         | 15.8          | 21.2           | 24.8           | 21.9           | 22.8          | 24.7          | 22.1          | 11.7          | -13.1          |
| Vac                                                                   | Leq,d      | 31.4         | 16.0          | 21.5           | 25.1           | 22.2           | 23.0          | 25.0          | 22.5          | 12.3          | -12.0          |
| Vac                                                                   | Leq,d      | 31.7         | 16.3          | 21.8           | 25.4           | 22.5           | 23.3          | 25.2          | 22.9          | 13.0          | -10.9          |
| Vac                                                                   | Leq,d      | 30.8         | 15.5          | 21.0           | 24.6           | 21.6           | 22.5          | 24.4          | 21.8          | 11.2          | -14.2          |
| Vac                                                                   | Leq,d      | 23.5         | 12.9          | 17.1           | 19.4           | 14.1           | 12.5          | 12.0          | 7.2           | -4.6          | -29.9          |
| Vac                                                                   | Leq,d      | 22.2         | 12.1          | 16.0           | 18.1           | 12.7           | 10.9          | 10.2          | 5.5           | -6.4          |                |
| Vac                                                                   | Leq,d      | 21.5         | 11.7          | 15.4           | 17.4           | 11.8           | 10.0          | 9.2           | 4.5           | -7.6          |                |
| Receiver R2 FI G Lr,lim dB(A) Leq,d 53.0 dB(A) Sigma(Leq,d) 0.0 dB(A) |            |              |               |                |                |                |               |               |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 01              | Leq,d      | -14.4        |               | -20.3          | -16.3          | -24.3          |               |               |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 02              | Leq,d      | -3.0         |               | -7.7           | -5.3           | -14.6          | -26.0         |               |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 03              | Leq,d      | 8.3          |               | -1.2           | 6.4            | 1.5            | -9.0          | -14.5         | -25.0         |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Facade 04              | Leq,d      | 12.0         |               | 4.8            | 10.0           | 4.3            | -6.2          | -11.9         | -23.2         |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Roof 01                | Leq,d      | 4.2          |               | -3.6           | 2.4            | -3.5           | -14.8         | -21.3         |               |               |                |
| 001 - 120HP Stealth Predator - Standard Tunnel-Transmissive area 01   | Leq,d      | 26.5         |               | 18.1           | 23.1           | 20.4           | 17.0          | 12.7          | 1.4           |               |                |

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## 301 East Route 83

### Contribution spectra - 004 - 120HP Stealth Predator - Lined:

| Source                                                              | Time slice | Sum   | 63Hz  | 125Hz | 250Hz | 500Hz | 1kHz  | 2kHz  | 4kHz  | 8kHz  | 16kHz |
|---------------------------------------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                                                     |            | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) | dB(A) |
| 001 - 120HP Stealth Predator - Standard Tunnel-Transmissive area 01 | Leq,d      | 52.9  |       | 37.1  | 46.4  | 47.5  | 46.7  | 45.4  | 38.0  |       |       |
| Turbine                                                             | Leq,d      | -0.7  | -9.8  | -3.6  | -11.9 | -17.7 | -14.9 | -13.2 | -10.0 | -13.5 |       |
| Vac                                                                 | Leq,d      | 17.9  | 9.1   | 12.3  | 13.7  | 6.3   | 5.7   | 5.6   | 1.0   | -10.2 |       |
| Vac                                                                 | Leq,d      | 20.1  | 9.3   | 12.5  | 13.9  | 6.6   | 9.1   | 14.5  | 9.4   | -6.7  |       |
| Vac                                                                 | Leq,d      | 23.1  | 9.9   | 13.1  | 14.6  | 7.9   | 15.0  | 18.9  | 14.2  | -1.8  |       |
| Vac                                                                 | Leq,d      | 17.7  | 8.9   | 12.1  | 13.5  | 6.1   | 5.5   | 5.4   | 0.9   | -10.4 |       |
| Vac                                                                 | Leq,d      | 17.5  | 8.9   | 12.0  | 13.3  | 6.1   | 4.4   | 4.6   | -0.7  | -12.5 |       |
| Vac                                                                 | Leq,d      | 17.6  | 8.8   | 12.0  | 13.3  | 5.7   | 5.5   | 5.7   | 0.8   | -11.0 |       |
| Vac                                                                 | Leq,d      | 17.7  | 8.9   | 12.0  | 13.4  | 6.0   | 5.6   | 5.8   | 0.9   | -10.7 |       |
| Vac                                                                 | Leq,d      | 23.5  | 10.4  | 13.7  | 15.2  | 8.8   | 16.5  | 18.9  | 14.2  | -1.7  |       |
| Vac                                                                 | Leq,d      | 16.0  | 7.6   | 10.0  | 11.1  | 3.8   | 4.3   | 5.8   | 2.1   | -8.1  |       |
| Vac                                                                 | Leq,d      | 16.2  | 7.7   | 10.2  | 11.3  | 4.0   | 4.2   | 6.1   | 2.3   | -7.7  | -29.7 |
| Vac                                                                 | Leq,d      | 22.5  | 8.4   | 10.9  | 12.0  | 5.4   | 15.8  | 18.7  | 14.0  | -1.9  | -28.5 |
| Vac                                                                 | Leq,d      | 15.9  | 7.4   | 9.8   | 10.9  | 3.5   | 4.3   | 6.1   | 2.0   | -8.5  |       |
| Vac                                                                 | Leq,d      | 16.4  | 8.1   | 10.7  | 11.8  | 5.0   | 4.3   | 4.7   | 0.4   | -10.5 |       |
| Vac                                                                 | Leq,d      | 15.9  | 7.7   | 10.1  | 11.0  | 3.6   | 3.6   | 5.1   | 0.4   | -10.6 |       |
| Vac                                                                 | Leq,d      | 15.6  | 7.5   | 9.8   | 10.8  | 3.4   | 3.5   | 5.2   | 0.6   | -10.2 |       |
| Vac                                                                 | Leq,d      | 22.6  | 8.8   | 11.4  | 12.6  | 5.9   | 15.8  | 18.8  | 14.0  | -1.7  | -28.0 |
| Vac                                                                 | Leq,d      | 27.7  | 13.6  | 18.5  | 21.7  | 17.7  | 19.8  | 21.3  | 16.9  | 3.6   | -22.3 |
| Vac                                                                 | Leq,d      | 24.8  | 12.4  | 16.4  | 18.3  | 11.5  | 16.8  | 19.1  | 14.3  | -1.5  |       |
| Vac                                                                 | Leq,d      | 23.9  | 11.2  | 14.7  | 16.2  | 9.7   | 16.6  | 19.0  | 14.3  | -1.6  |       |
| Vac                                                                 | Leq,d      | 33.1  | 17.1  | 22.7  | 26.6  | 23.6  | 24.9  | 27.0  | 24.5  | 14.7  | -7.6  |
| Vac                                                                 | Leq,d      | 22.8  | 9.3   | 12.0  | 13.2  | 6.5   | 15.9  | 18.8  | 14.1  | -1.6  | -27.4 |
| Vac                                                                 | Leq,d      | 23.2  | 10.3  | 13.1  | 14.4  | 7.6   | 15.9  | 18.8  | 14.1  | -1.4  | -26.8 |
| Vac                                                                 | Leq,d      | 24.4  | 12.5  | 16.0  | 17.7  | 10.7  | 16.2  | 18.9  | 14.1  | -1.4  | -26.6 |

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## 301 East Route 83

### Contribution level - 004 - 120HP Stealth Predator - Lined:

9

| Source                                                                    | Source group             | Source ty | Tr. lane | Leq,d<br>dB(A)   | A<br>dB      |           |
|---------------------------------------------------------------------------|--------------------------|-----------|----------|------------------|--------------|-----------|
| Receiver R1                                                               | FI G                     | Lr,lim    | dB(A)    | Leq,d 49.0 dB(A) | Sigma(Leq,d) | 0.0 dB(A) |
| Vac                                                                       | Default industrial noise | Point     |          | 36.7             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 36.2             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 35.6             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 35.0             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 34.4             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 29.6             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 26.0             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 24.9             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 23.5             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 22.2             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 21.5             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 30.8             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 31.1             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 31.4             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 31.7             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 32.0             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 32.3             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 33.0             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 33.4             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 33.8             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 34.3             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 34.8             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 35.2             | 0.0          |           |
| Turbine                                                                   | Default industrial noise | Point     |          | 20.3             | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Roof 01                 | Default industrial noise | Area      |          | 2.3              | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 01               | Default industrial noise | Area      |          | -0.3             | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Default industrial noise | Area      |          | 45.2             | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 02               | Default industrial noise | Area      |          | 2.4              | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 03               | Default industrial noise | Area      |          | -10.5            | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Default industrial noise | Area      |          | 29.4             | 0.0          |           |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 04               | Default industrial noise | Area      |          | 10.4             | 0.0          |           |
| Receiver R2                                                               | FI G                     | Lr,lim    | dB(A)    | Leq,d 53.0 dB(A) | Sigma(Leq,d) | 0.0 dB(A) |
| Vac                                                                       | Default industrial noise | Point     |          | 16.4             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 15.9             | 0.0          |           |
| Vac                                                                       | Default industrial noise | Point     |          | 15.6             | 0.0          |           |

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## 301 East Route 83

### Contribution level - 004 - 120HP Stealth Predator - Lined:

9

| Source                                                                    | Source group             | Source ty | Tr. lane | Leq,d<br>dB(A) | A<br>dB |  |
|---------------------------------------------------------------------------|--------------------------|-----------|----------|----------------|---------|--|
| Vac                                                                       | Default industrial noise | Point     |          | 15.9           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 16.0           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 16.2           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 22.5           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 22.6           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 22.8           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 23.2           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 24.4           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 33.1           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 27.7           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 24.8           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 23.9           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 23.5           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 23.1           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 20.1           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 17.9           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 17.8           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 17.7           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 17.6           | 0.0     |  |
| Vac                                                                       | Default industrial noise | Point     |          | 17.5           | 0.0     |  |
| Turbine                                                                   | Default industrial noise | Point     |          | -0.7           | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Roof 01                 | Default industrial noise | Area      |          | 4.2            | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 01               | Default industrial noise | Area      |          | -14.3          | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Default industrial noise | Area      |          | 26.5           | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 02               | Default industrial noise | Area      |          | -3.0           | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 03               | Default industrial noise | Area      |          | 8.3            | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Default industrial noise | Area      |          | 52.9           | 0.0     |  |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 04               | Default industrial noise | Area      |          | 12.0           | 0.0     |  |

Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



# 301 East Route 83

## Octave spectra of the sources in dB(A) - 004 - 120HP Stealth Predator - Lined: Outdoor SP(update)

3

| Name                                                                      | Source type | I or A<br>m,m <sup>2</sup> | Li<br>dB(A) | R'w<br>dB | L'w<br>dB(A) | Lw<br>dB(A) | KI<br>dB | KT<br>dB | LwMax<br>dB(A) | DO-Wall<br>dB | Time histogram | Emission spectrum            | 63Hz<br>dB(A) | 125Hz<br>dB(A) | 250Hz<br>dB(A) | 500Hz<br>dB(A) | 1kHz<br>dB(A) | 2kHz<br>dB(A) | 4kHz<br>dB(A) | 8kHz<br>dB(A) | 16kHz<br>dB(A) |
|---------------------------------------------------------------------------|-------------|----------------------------|-------------|-----------|--------------|-------------|----------|----------|----------------|---------------|----------------|------------------------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 01               | Area        | 30.02                      | 74.7        | 57.0      | 25.6         | 40.4        | 0.0      | 0.0      |                | 3             | 100%/24h       | 305_Facade 01_               |               | 31.0           | 38.9           | 32.5           | 20.9          | 14.9          | 4.1           |               |                |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 02               | Area        | 315.82                     | 78.2        | 57.0      | 29.2         | 54.2        | 0.0      | 0.0      |                | 3             | 100%/24h       | 306_Facade 02                |               | 45.8           | 52.7           | 46.0           | 34.4          | 28.7          | 18.7          |               |                |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 03               | Area        | 38.18                      | 83.3        | 57.0      | 33.6         | 49.4        | 0.0      | 0.0      |                | 3             | 100%/24h       | 307_Facade 03_               |               | 38.8           | 47.9           | 42.3           | 30.8          | 25.3          | 16.0          |               |                |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Facade 04               | Area        | 315.82                     | 78.2        | 57.0      | 29.2         | 54.2        | 0.0      | 0.0      |                | 3             | 100%/24h       | 308_Facade 04                |               | 45.8           | 52.7           | 46.0           | 34.4          | 28.7          | 18.7          |               |                |
| 001 - 120HP Stealth Predator<br>- Standard Tunnel-Roof 01                 | Area        | 294.06                     | 78.9        | 57.0      | 29.8         | 54.5        | 0.0      | 0.0      |                | 0             | 100%/24h       | 303_Roof 01_                 |               | 45.6           | 52.9           | 46.5           | 34.8          | 29.1          | 18.9          |               |                |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Area        | 15.61                      | 73.7        | 0.0       | 73.7         | 85.6        | 0.0      | 0.0      |                | 3             | 100%/24h       | 198_Transmissive area<br>01_ |               | 71.0           | 81.1           | 80.6           | 78.0          | 76.1          | 68.2          |               |                |
| 001 - 120HP Stealth Predator<br>- Standard<br>Tunnel-Transmissive area 01 | Area        | 7.44                       | 85.1        | 0.0       | 85.1         | 93.8        | 0.0      | 0.0      |                | 3             | 100%/24h       | 202_Transmissive area<br>01_ |               | 76.8           | 88.4           | 89.0           | 86.5          | 85.2          | 78.9          |               |                |
| Turbine                                                                   | Point       |                            |             |           | 72.6         | 72.6        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech Turbine             | 47.3          | 57.5           | 54.5           | 51.9           | 55.8          | 59.5          | 66.1          | 69.3          | 65.0           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac                                                                       | Point       |                            |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car            | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |

MD Acoustics LLC 4960 S. Gilbert Rd Chandler, AZ 85249 Phone: 602 774 1950

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301 East Route 83  
Octave spectra of the sources in dB(A) - 004 - 120HP Stealth Predator - Lined: Outdoor SP(update)

3

| Name | Source type | I or A<br>m,m² | Li<br>dB(A) | R'w<br>dB | L'w<br>dB(A) | Lw<br>dB(A) | KI<br>dB | KT<br>dB | LwMax<br>dB(A) | DO-Wall<br>dB | Time histogram | Emission spectrum | 63Hz<br>dB(A) | 125Hz<br>dB(A) | 250Hz<br>dB(A) | 500Hz<br>dB(A) | 1kHz<br>dB(A) | 2kHz<br>dB(A) | 4kHz<br>dB(A) | 8kHz<br>dB(A) | 16kHz<br>dB(A) |
|------|-------------|----------------|-------------|-----------|--------------|-------------|----------|----------|----------------|---------------|----------------|-------------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |
| Vac  | Point       |                |             |           | 81.0         | 81.0        | 0.0      | 0.0      |                | 0             | 100%/24h       | Vacutech - in car | 62.4          | 69.2           | 75.8           | 72.6           | 71.3          | 73.2          | 72.6          | 67.8          | 59.2           |

Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)

MD Acoustics LLC 4960 S. Gilbert Rd Chandler, AZ 85249 Phone: 602 774 1950



**Appendix D**  
Z to A Octave Band Conversion

### Z-Weighted to A-Weighted Conversion (Octave Band)

**Project:** Mundelein Car Wash  
**Source:** IL limit  
**Site Location:** IL limit  
**Date:** MODEL  
**Day:** MODEL  
**Engineer:** Claire Pincock

| Frequency (Hz) | Z-weighted Level (dB) | Filter Conversion | A-Weighted Level (dBA) |
|----------------|-----------------------|-------------------|------------------------|
| 31.5           | 72                    | -40               | 32                     |
| 63             | 71                    | -26               | 45                     |
| 125            | 65                    | -16               | 49                     |
| 250            | 57                    | -9                | 48                     |
| 500            | 51                    | -3                | 48                     |
| 1000           | 45                    | 0                 | 45                     |
| 2000           | 39                    | 1                 | 40                     |
| 4000           | 34                    | 1                 | 35                     |
| 8000           | 32                    | -1                | 31                     |
| <b>SUM</b>     | <b>72</b>             | <b>N/A</b>        | <b>55</b>              |



RESOLUTION NO. R-64-12

**A RESOLUTION GRANTING  
FINAL SUBDIVISION APPROVAL FOR PATRICK HYUNDAI SUBDIVISION  
2264, 2265, 2273, 2275, 2293, 2301, 2307, 2313, 2319 & 2325 N. RAND ROAD  
(CASE NO. 12-72)**

WHEREAS, the Palatine Subdivision Ordinance provides qualifications governing final approval of a Subdivision Plat in Article IV FINAL PLAT; and

WHEREAS, the PATRICK HYUNDAI SUBDIVISION has complied with all the provisions of the Subdivision Ordinance, including a public review before the Plan Commission of the Village of Palatine.

NOW THEREFORE, BE IT RESOLVED by the Mayor and the Village Council of the Village of Palatine, that the Mayor and the Village Clerk be and are hereby directed and authorized to execute the final plat of subdivision "PATRICK HYUNDAI SUBDIVISION" pursuant to the Palatine Subdivision Ordinance Article IV, Sec. 4.01

(c) (2) (a) and subject to the following conditions:

1. The Final Plat of Subdivision shall be submitted on Mylar and shall substantially conform to the Plat of Subdivision prepared by Spaceco Inc. dated 8/27/12 last revised 9/11/12 except as such Plat may be changed to conform to Village Codes and Ordinances and the following conditions:
2. At the time of any future development to the south of the subject property, in which that development proposes to use the subject property's access aisle, an additional access easement shall be provided for the entirety of the access

3. At the time of any future development to the south of this site, in which that development proposes to use the subject property's access aisle, an owner's maintenance agreement shall be prepared outlining the maintenance responsibilities and access rights for the drive aisle. The agreement shall be in a format acceptable to the Village Attorney.
4. The public utilities easement stretching though the site should be removed from the final Plat, as the final design of the sanitary sewer will not follow this route.
5. Recording fees shall be submitted in the amount of \$300.00.

DATED: This 8th day of October, 2012

AYES: 6 NAYS: 0 ABSENT: 0 PASS: 0

APPROVED by me this 8th day of October, 2012

  
 Mayor of the Village of Palatine

ATTESTED and FILED in the office of the Village Clerk

this 8 day of October, 2012

  
 Village Clerk





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28. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE OFF-SITE.

29. ALL CUTS OVER 1" IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGEST BRANCH. WOUNDS OVER 1" IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT.

31. PREVENT MATERIALS FROM MOVING AND BRACING, SUCH AS SPILL PILING, UNIFORMS, SHIMMERS AND CROSS

32. **ANALYZE** SOURCE WATER AND SUBSTRATE FOR ORGANOPHOSPHATE PESTICIDES AND EXTRACTANTS. RECORD DATA TO PREVENT REENTRY OF EXTRACTANTS INTO THE INTERMEDIATE HOLDING TANKS.

DETERMINED TO STABILITY OF SUBGRADE AND FOUNDATIONS. PLAYERS AND MAINLINE MUST BE KEPT OUT OF EXCAVATION LINES AND OTHER DRAINAGE SYSTEM COMPONENTS NECESSARY TO CONVEY WATER AWAY FROM EXISTING STRUCTURES. CONVEY WATER AWAY FROM EXISTING STRUCTURES AND PLAYERS TO A COLLECTION OR REMOVAL AREA. EXCAVATIONS SHALL HAVE UNDISTURBED, UNPLAYED, AND MAINLINE (TERRAIN) PRINCIPAL DITCHES AND OTHER OVERSIZED DITCHES EXCAVATION LIMITS FOR EACH STRUCTURE. DO NOT USE OTHER EXCAVATIONS AS TERRAIN DRAINAGE DITCHES.

35. THE QUALITY OF THE CONTRACT CONDITIONS THAT MAY CAUSE UNFAIR DEALING TO THE OWNER/BUYER OR OTHER BENEFITING PARTY.

36. ALL OBTAINED DEEDS OF THE RIGHT-OF-WAY SHALL BE FULLY RESTORED TO PRE-CONSTRUCTION CONDITIONS WITH A MINIMUM OF TROUBLE REQUIRED AND COST.

37. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF TWENTY (20) MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT OR WORK. AS MAY BE SPECIFIED IN THE CONTRACTOR'S CONTRACT WITH THE OWNER, THE CONTRACTOR SHALL BE HELD

30. **COST ACCEPTANCE BY THE OWNER AND FINAL PAYMENT.** All work shall be inspected by the owner on the completion of the work. The Village of Plainfield and the undersigned, Final Payment will be made after all the construction's work has been approved and accepted.

39. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE VILLAGE OF PALATINE AND THE AGENCIES. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE VILLAGE OF PALATINE PRIOR TO INSTALLING PATENT BLOCK, BINDER, SURFACE, AND PRIOR TO PLACING ANY CONCRETE AFTER FORMS HAVE BEEN SET.

41. UNDERGROUND WORK SHALL INCLUDE TRENCHING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BULKHEADS, AND OTHERS, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.

42. WHERE SHOWN ON THE PLANS OR DIRECTED BY THE INSPECTOR, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OR REPAIRED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK SHALL BE PAID FOR BY THE CONTRACT UNIT PRICE EACH FOR CLEANING AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR SYSTEMS WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REPAIR, AND DISPOSAL OF DEBRIS AND GROUT. DRAINAGE STRUCTURES AND SYSTEMS CONSIDERED AS PART OF THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE. NO PAYMENT WILL BE MADE FOR CLEANING

43. ANY DETAILING OF SEWER AND WATER TRENCHES AS WELL AS NEARBY SPLITTING OR BRANCHING SHALL HAVE TO BE SUBMITTED TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVAL. THE DISTRICT ENGINEER SHALL HAVE THE RIGHT TO REQUEST ANY CHANGES TO THE DETAILING. THE DISTRICT ENGINEER SHALL HAVE THE RIGHT TO REQUEST ANY CHANGES TO THE DETAILING. THE DISTRICT ENGINEER SHALL HAVE THE RIGHT TO REQUEST ANY CHANGES TO THE DETAILING.

44. IN BRICK DRAFFILL, WHILE BE DETACHED FOR THE SEAL, THROUGH BATH, WITHIN TWO (2) FEET OF ANCHORAGE OR EXISTING PAVEMENT, UTILIZE FIBER, GRAYWALL, AND STORMWALL. THE BRICK DRAFFILL SHALL CONSIST OF EXISTING MATERIAL, SETTING IN HOT CAST CEMENTATION. THE BRICK DRAFFILL SHALL BE COMPLETED TO FLOW TO FIT THE BOTTOM OF THE PIPE.

49. THE CONTRACTOR SHALL INSTALL A 4" X 4" X 6" (NOMINAL) POST AT THE TERMINUS OF THE SPLITTER AND WATER SERVICE. SPLITTER AND CROOK JOINTS SHALL BE SET IN WATER. THE JOINTS SHALL BE PAINTED AS FOLLOWS: SPLITTER - RED, EXTERIOR - WHITE, INTERIOR - GREEN. THE JOINT OF SPLITTER AND CROOK SHALL BE PAINTED AS FOLLOWS: SPLITTER - RED, WATERMAIN - BLUE, SLOW - GREEN.

[illegible]

40. ALL TOP OF FRAMES FOR STORM AND SANITARY SEWERS AND WASTE WATER CONVEYS ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER AND WATER CONTRACTOR AND THE CONTRACTOR IS TO BE CONSIDERED RESPONSIBLE. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEViate THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE VILLAGE OF PALM BEACH COUNTY FINAL.

40. SELECTS FOR UTILITY (CABLE, TELEPHONE, ETC., STREET CROSSING) SHALL BE INSTALLED WHERE DIRECTED BY INSPECTION OF THE BOARD. THE BOARD SHALL HAVE THE RIGHT TO RELOCATE OR REMOVE ANY UTILITY OR UTILITY STRUCTURE AT THE TIME OF FINAL INSPECTION AND MAY WANT FROM PLAIN CABLE.

50. THE CONTRACTOR SHALL VERIFY THE SIZE AND INVERT ELEVATION OF ALL CONNECTIONS TO AVOID ANY CONFLICTS BEFORE STARTING WORK. NOTIFY OWNER OF ANY DISCREPANCIES.

---

6" TOPSOIL RESPIRANT  
AND SEED

WITH FLOW LINE AND SLOPE  
CALL OUT FOR CONSTRUCTION

APRIL 1996 EMISSIONS

DETENTION BASIN OVERFLOW WEIR  
NOT TO SCALE

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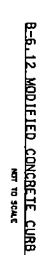
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**NOT TO SCALE**



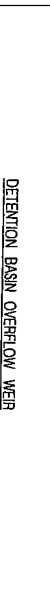
**SECTION - CONCRETE PAVEMENT**

**NOT TO SCALE**



NOT TO SCALE

|                        |                    |
|------------------------|--------------------|
| 8 - CATCH BASIN        | DESIGN NO          |
| 9 - LIGHT POLE         | BOIT               |
| V - VALVE VAULT        | COOK CO. HIGHWAY C |
| - END SECTION          | REMARKS OF A110    |
| 11 - FIRE HYDRANT      | WABCO              |
| 8 - GRADE AND DRAINAGE | SPA                |
|                        | DATE               |
|                        | REVISION OF W.     |
|                        | REVISION OF C.     |
|                        | REVISION OF S.     |
|                        | REVISION OF T.     |
|                        | REVISION OF U.     |
|                        | REVISION OF V.     |
|                        | REVISION OF W.     |
|                        | REVISION OF X.     |
|                        | REVISION OF Y.     |
|                        | REVISION OF Z.     |

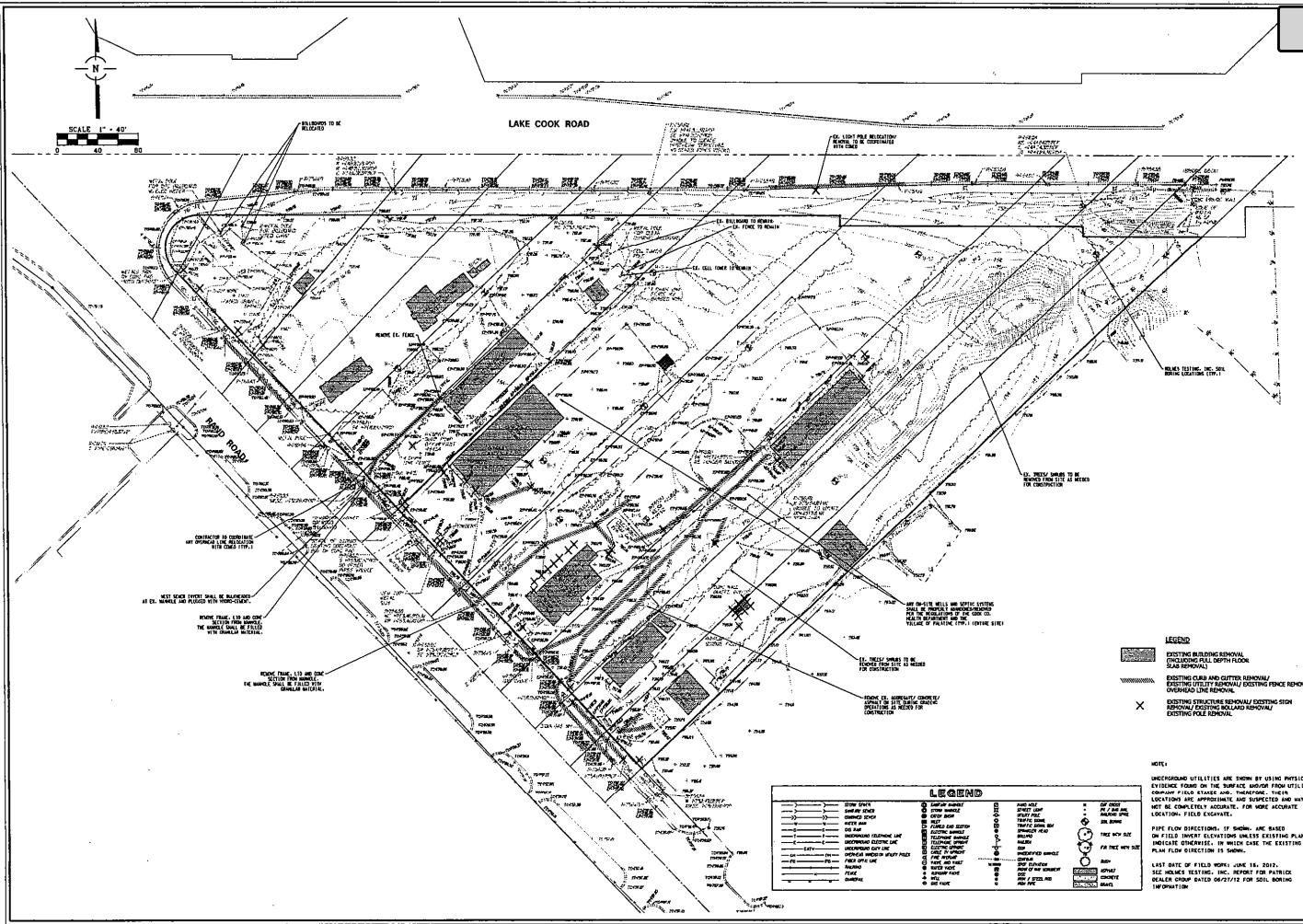


# ON BASIN OVERFLOW WEI



RETENTION BASIN SECTION - SECTION A-A





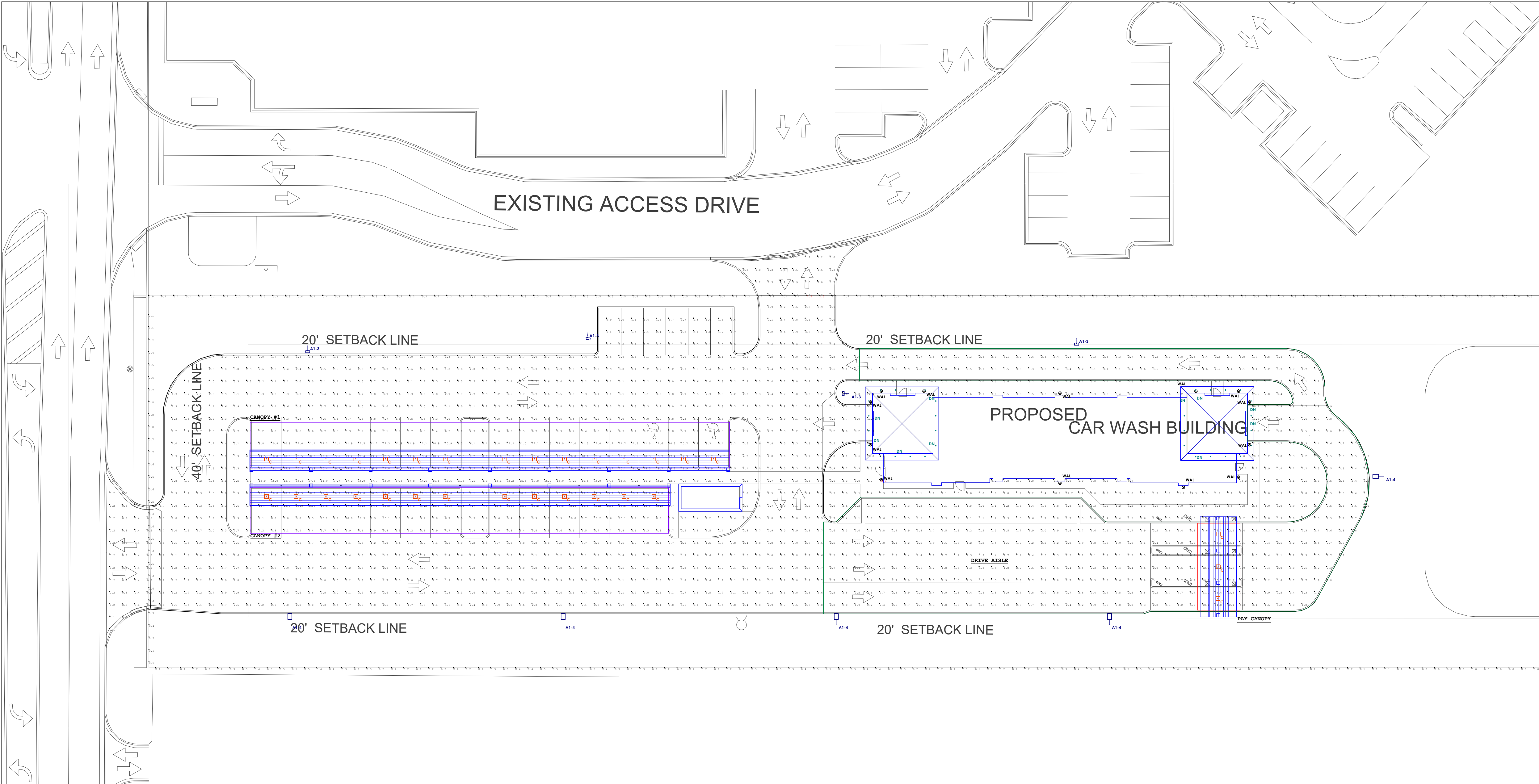




| Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used. |     |      |             |                  |                  |                 |            |       |                    |                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|------------------|------------------|-----------------|------------|-------|--------------------|----------------------------|--|
| Symbol                                                                                                                                        | Qty | Tag  | Arrangement | Luminaire Lumens | Arr. Lum. Lumens | Luminaire Watts | Arr. Watts | LLF   | Manufacturer       | Description                |  |
|                                                                                                                                               | 31  | C    | Single      | 4450             | 4450             | 30.405          | 30.405     | 0.900 | BEACON             | VSH-30-4K7-UNV             |  |
|                                                                                                                                               | 22  |      | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |  |
|                                                                                                                                               | 10  | DN   | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |  |
|                                                                                                                                               | 13  | WAL  | GROUP       | N.A.             | 4480             | N.A.            | 55.742     | 0.900 | FC Lighting        | FCC600-5L-UD               |  |
|                                                                                                                                               | 5   | A1-4 | Single      | 15232            | 15232            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-4W-X-X-X |  |
|                                                                                                                                               | 4   | A1-3 | Single      | 15413            | 15413            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-3-U      |  |

| NOTES                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.                                              |
| ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.                  |
| THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.                 |
| FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES. |
| FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.         |
| CALCULATION GRID VALUES 10'-0" O.C.                                                                                                                       |

| Calculation Summary |            |       |       |      |     |         |         |             |  |  |
|---------------------|------------|-------|-------|------|-----|---------|---------|-------------|--|--|
| Label               | CalcType   | Units | Avg   | Max  | Min | Max/Min | Avg/Min | Description |  |  |
| FULL AREA           | Iluminance | Fc    | 4.88  | 78.3 | 0.1 | 783.00  | 48.80   |             |  |  |
| PROPERTY LINE       | Iluminance | Fc    | 0.21  | 2.5  | 0.0 | N.A.    | N.A.    |             |  |  |
| CANOPY #1           | Iluminance | Fc    | 13.09 | 21.3 | 4.3 | 4.95    | 3.04    |             |  |  |
| CANOPY #2           | Iluminance | Fc    | 12.18 | 22.0 | 3.7 | 5.95    | 3.29    |             |  |  |
| DRIVE AISLE         | Iluminance | Fc    | 3.37  | 69.7 | 1.0 | 69.70   | 3.37    |             |  |  |
| PAY CANOPY          | Iluminance | Fc    | 11.53 | 16.8 | 6.3 | 2.67    | 1.83    |             |  |  |



Not to Scale

| Luminaire Location Summary |                       |        |
|----------------------------|-----------------------|--------|
| LumNo                      | Label                 | Mtg Ht |
| 94                         | ASL1-160L-115-4K7-4W  | 25     |
| 95                         | ASL1-160L-115-4K7-4W  | 25     |
| 96                         | ASL1-160L-115-4K7-4W  | 25     |
| 100                        | ASL1-160L-115-4K7-4W  | 25     |
| 102                        | ASL1-160L-115-4K7-4W  | 25     |
| 103                        | ASL1-160L-115-4K7-3   | 25     |
| 104                        | ASL1-160L-115-4K7-3   | 25     |
| 105                        | ASL1-160L-115-4K7-3   | 25     |
| 106                        | ASL1-160L-115-4K7-3   | 25     |
| 107                        | F003154FCC6003K5L5LFL | 7.5    |
| 108                        | F003154FCC6003K5L5LFL | 7.5    |
| 109                        | F003154FCC6003K5L5LFL | 7.5    |
| 110                        | F003154FCC6003K5L5LFL | 7.5    |
| 111                        | F003154FCC6003K5L5LFL | 7.5    |
| 112                        | F003154FCC6003K5L5LFL | 7.5    |
| 113                        | F003154FCC6003K5L5LFL | 7.5    |
| 114                        | F003154FCC6003K5L5LFL | 7.5    |
| 115                        | F003154FCC6003K5L5LFL | 7.5    |
| 116                        | F003154FCC6003K5L5LFL | 7.5    |
| 117                        | F003154FCC6003K5L5LFL | 7.5    |
| 118                        | F003154FCC6003K5L5LFL | 7.5    |
| 119                        | F003154FCC6003K5L5LFL | 7.5    |
| 120                        | VSH-30-4K7            | 10     |
| 128                        | VSH-30-4K7            | 10     |
| 134                        | VSH-30-4K7            | 10     |
| 135                        | VSH-30-4K7            | 10     |
| 136                        | VSH-30-4K7            | 10     |
| 137                        | VSH-30-4K7            | 10     |
| 138                        | VSH-30-4K7            | 10     |
| 139                        | VSH-30-4K7            | 10     |
| 140                        | VSH-30-4K7            | 10     |
| 141                        | VSH-30-4K7            | 10     |
| 142                        | VSH-30-4K7            | 10     |
| 143                        | VSH-30-4K7            | 10     |
| 144                        | VSH-30-4K7            | 10     |
| 145                        | VSH-30-4K7            | 10     |
| 146                        | VSH-30-4K7            | 10     |
| 147                        | VSH-30-4K7            | 10     |
| 148                        | VSH-30-4K7            | 10     |
| 149                        | VSH-30-4K7            | 10     |
| 150                        | VSH-30-4K7            | 10     |
| 151                        | VSH-30-4K7            | 10     |
| 152                        | VSH-30-4K7            | 10     |
| 153                        | VSH-30-4K7            | 10     |
| 154                        | VSH-30-4K7            | 10     |
| 155                        | VSH-30-4K7            | 10     |
| 156                        | VSH-30-4K7            | 10     |
| 157                        | VSH-30-4K7            | 10     |
| 158                        | VSH-30-4K7            | 10     |
| 159                        | VSH-30-4K7            | 10     |
| 160                        | VSH-30-4K7            | 10     |
| 161                        | VSH-30-4K7            | 10     |
| 162                        | VSH-30-4K7            | 10     |
| 176                        | RGR4                  | 26     |
| 177                        | RGR4                  | 26     |
| 178                        | RGR4                  | 26     |
| 179                        | RGR4                  | 26     |
| 180                        | RGR4                  | 26     |
| 181                        | RGR4                  | 26     |
| 182                        | RGR4                  | 26     |
| 183                        | RGR4                  | 26     |
| 185                        | RGR4                  | 26     |
| 186                        | RGR4                  | 26     |
| 187                        | RGR4                  | 26     |
| 188                        | RGR4                  | 26     |
| 209                        | RGR4                  | 26     |
| 210                        | RGR4                  | 26     |
| 211                        | RGR4                  | 26     |
| 212                        | RGR4                  | 26     |
| 213                        | RGR4                  | 26     |
| 214                        | RGR4                  | 26     |
| 215                        | RGR4                  | 26     |
| 216                        | RGR4                  | 26     |
| 217                        | RGR4                  | 26     |
| 218                        | RGR4                  | 26     |
| 219                        | RGR4                  | 26     |
| 220                        | RGR4                  | 26     |
| 221                        | RGR4                  | 26     |
| 222                        | RGR4                  | 26     |
| 223                        | RGR4                  | 26     |
| 224                        | RGR4                  | 26     |
| 225                        | RGR4                  | 26     |
| 226                        | RGR4                  | 26     |
| 227                        | RGR4                  | 26     |
| 228                        | RGR4                  | 26     |

| PARKING LOT DESIGN GUIDE                                                                                                                                                                                                                                                                                                          | MAINTAINED HORIZONTAL |              | MAINTAINED VERTICAL |              | MAXIMUM                              |         |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|---------------------|--------------|--------------------------------------|---------|---------|
|                                                                                                                                                                                                                                                                                                                                   | APPLICATION AND TASK  | AVERAGE (FC) | RANGE (FC)          | AVERAGE (FC) | RANGE (FC)                           | AVG:MIN | MAX:MIN |
| PARKING (UNCOVERED) ZONE 3 (URBAN)                                                                                                                                                                                                                                                                                                | 1.5                   | 0.75 - 3     | 0.8                 | 0.4 - 1.6    | 4:1                                  | 15:1    |         |
| PARKING (UNCOVERED) ZONE 2 (SUBURBAN)                                                                                                                                                                                                                                                                                             | 1                     | 0.5 - 2      | 0.6                 | 0.3 - 1.2    | 4:1                                  | 15:1    |         |
| SAFETY (BUILDING EXTERIOR)                                                                                                                                                                                                                                                                                                        | 1                     | 0.5 - 2      | -                   | -            | FOR SECURITY ISSUES, RAISE AVG. TO 3 |         |         |
| SIMPLIFIED RECOMMENDATIONS BASED ON IES 'THE LIGHTING HANDBOOK' 10TH EDITION AND IES RP-20-14. INDIVIDUAL APPLICATIONS WILL DETERMINE SPECIFIC RECOMMENDATIONS. PLEASE REFER TO THE MOST RECENT HANDBOOK FOR A MORE DETAILED EVALUATION AND ADDITIONAL APPLICATIONS. THESE RECOMMENDATIONS DO NOT SUPERCEDE ANY APPLICABLE CODES. |                       |              |                     |              |                                      |         |         |



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| 1         | 2 | 3 |
|-----------|---|---|
| REVISIONS |   |   |

CLIENT NAME:  
NERI ARCHITECTS

PROJECT NAME:

# CAR WASH FACILITY - PALATINE, IL.



| Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used. |     |      |             |                  |                  |                 |            |       |                    |                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|------------------|------------------|-----------------|------------|-------|--------------------|----------------------------|--|
| Symbol                                                                                                                                        | Qty | Tag  | Arrangement | Luminaire Lumens | Arr. Lum. Lumens | Luminaire Watts | Arr. Watts | LLF   | Manufacturer       | Description                |  |
|                                                                                                                                               | 31  | C    | Single      | 4450             | 4450             | 30.405          | 30.405     | 0.900 | BEACON             | VSH-30-4K7-UNV             |  |
|                                                                                                                                               | 22  |      | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |  |
|                                                                                                                                               | 10  | DN   | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |  |
|                                                                                                                                               | 13  | WAL  | GROUP       | N.A.             | 4480             | N.A.            | 55.742     | 0.900 | FC Lighting        | FCC600-5L-UD               |  |
|                                                                                                                                               | 5   | A1-4 | Single      | 15232            | 15232            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-4W-X-X-X |  |
|                                                                                                                                               | 4   | A1-3 | Single      | 15413            | 15413            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-3-U      |  |

NOTES

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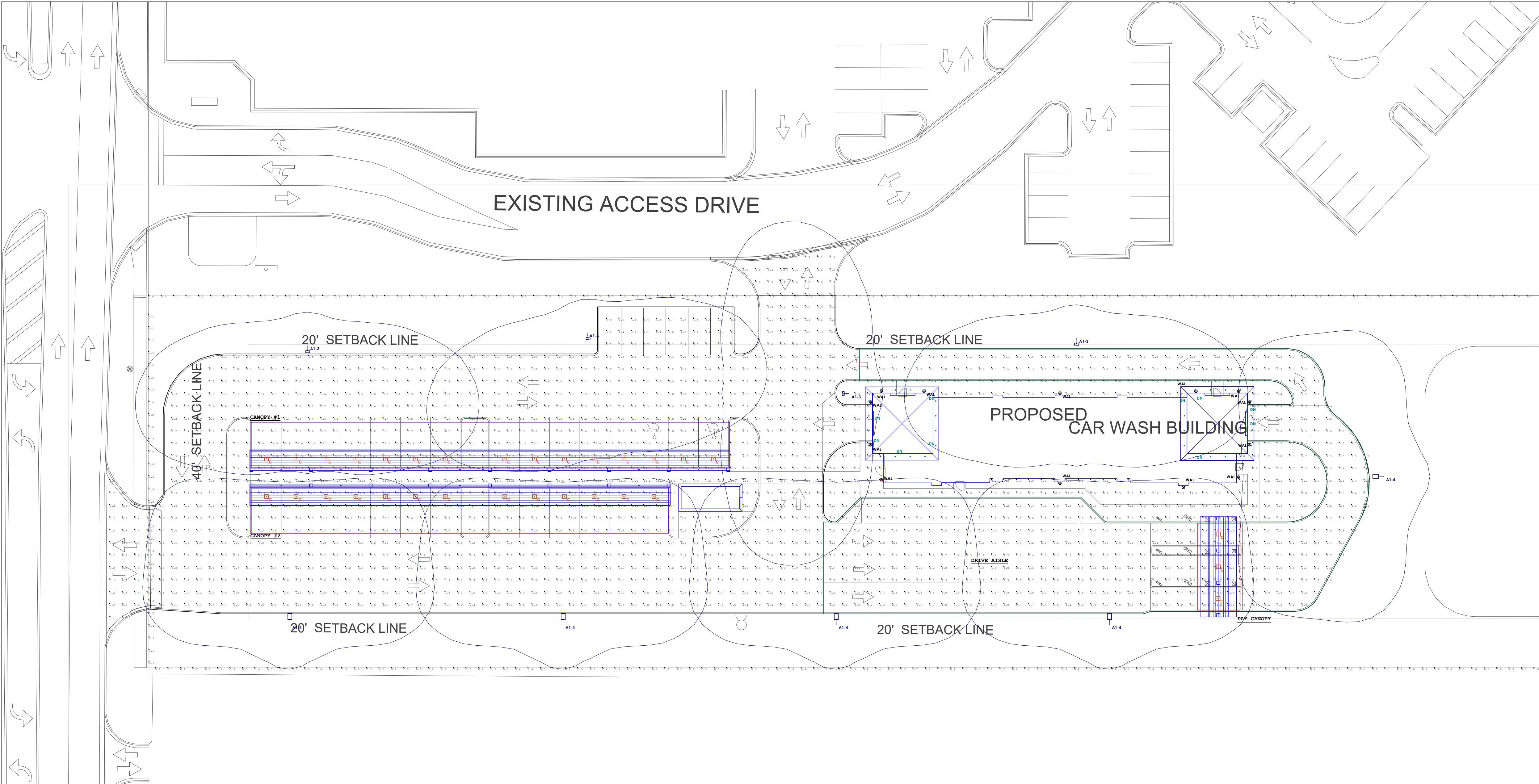
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CALCULATION GRID VALUES 10'-0" O.C.

| Calculation Summary |            |       |       |      |     |         |         |             |  |  |
|---------------------|------------|-------|-------|------|-----|---------|---------|-------------|--|--|
| Label               | CalcType   | Units | Avg   | Max  | Min | Max/Min | Avg/Min | Description |  |  |
| FULL AREA           | Iluminance | Fc    | 4.88  | 78.3 | 0.1 | 783.00  | 48.80   |             |  |  |
| PROPERTY LINE       | Iluminance | Fc    | 0.21  | 2.5  | 0.0 | N.A.    | N.A.    |             |  |  |
| CANOPY #1           | Iluminance | Fc    | 13.09 | 21.3 | 4.3 | 4.95    | 3.04    |             |  |  |
| CANOPY #2           | Iluminance | Fc    | 12.18 | 22.0 | 3.7 | 5.95    | 3.29    |             |  |  |
| DRIVE AISLE         | Iluminance | Fc    | 3.37  | 69.7 | 1.0 | 69.70   | 3.37    |             |  |  |
| PAY CANOPY          | Iluminance | Fc    | 11.53 | 16.8 | 6.3 | 2.67    | 1.83    |             |  |  |



Not to Scale

| Luminaire Location Summary |                       |        |
|----------------------------|-----------------------|--------|
| LumNo                      | Label                 | Mtg Ht |
| 94                         | ASL1-160L-115-4K7-4W  | 25     |
| 95                         | ASL1-160L-115-4K7-4W  | 25     |
| 96                         | ASL1-160L-115-4K7-4W  | 25     |
| 100                        | ASL1-160L-115-4K7-4W  | 25     |
| 102                        | ASL1-160L-115-4K7-4W  | 25     |
| 103                        | ASL1-160L-115-4K7-3   | 25     |
| 104                        | ASL1-160L-115-4K7-3   | 25     |
| 105                        | ASL1-160L-115-4K7-3   | 25     |
| 106                        | ASL1-160L-115-4K7-3   | 25     |
| 107                        | F003154FCC6003K5L5LFL | 7.5    |
| 108                        | F003154FCC6003K5L5LFL | 7.5    |
| 109                        | F003154FCC6003K5L5LFL | 7.5    |
| 110                        | F003154FCC6003K5L5LFL | 7.5    |
| 111                        | F003154FCC6003K5L5LFL | 7.5    |
| 112                        | F003154FCC6003K5L5LFL | 7.5    |
| 113                        | F003154FCC6003K5L5LFL | 7.5    |
| 114                        | F003154FCC6003K5L5LFL | 7.5    |
| 115                        | F003154FCC6003K5L5LFL | 7.5    |
| 116                        | F003154FCC6003K5L5LFL | 7.5    |
| 117                        | F003154FCC6003K5L5LFL | 7.5    |
| 118                        | F003154FCC6003K5L5LFL | 7.5    |
| 119                        | F003154FCC6003K5L5LFL | 7.5    |
| 120                        | VSH-30-4K7            | 10     |
| 128                        | VSH-30-4K7            | 10     |
| 134                        | VSH-30-4K7            | 10     |
| 135                        | VSH-30-4K7            | 10     |
| 136                        | VSH-30-4K7            | 10     |
| 137                        | VSH-30-4K7            | 10     |
| 138                        | VSH-30-4K7            | 10     |
| 139                        | VSH-30-4K7            | 10     |
| 140                        | VSH-30-4K7            | 10     |
| 141                        | VSH-30-4K7            | 10     |
| 142                        | VSH-30-4K7            | 10     |
| 143                        | VSH-30-4K7            | 10     |
| 144                        | VSH-30-4K7            | 10     |
| 145                        | VSH-30-4K7            | 10     |
| 146                        | VSH-30-4K7            | 10     |
| 147                        | VSH-30-4K7            | 10     |
| 148                        | VSH-30-4K7            | 10     |
| 149                        | VSH-30-4K7            | 10     |
| 150                        | VSH-30-4K7            | 10     |
| 151                        | VSH-30-4K7            | 10     |
| 152                        | VSH-30-4K7            | 10     |
| 153                        | VSH-30-4K7            | 10     |
| 154                        | VSH-30-4K7            | 10     |
| 155                        | VSH-30-4K7            | 10     |
| 156                        | VSH-30-4K7            | 10     |
| 157                        | VSH-30-4K7            | 10     |
| 158                        | VSH-30-4K7            | 10     |
| 159                        | VSH-30-4K7            | 10     |
| 160                        | VSH-30-4K7            | 10     |
| 161                        | VSH-30-4K7            | 10     |
| 162                        | VSH-30-4K7            | 10     |
| 176                        | RGR4                  | 26     |
| 177                        | RGR4                  | 26     |
| 178                        | RGR4                  | 26     |
| 179                        | RGR4                  | 26     |
| 180                        | RGR4                  | 26     |
| 181                        | RGR4                  | 26     |
| 182                        | RGR4                  | 26     |
| 183                        | RGR4                  | 26     |
| 185                        | RGR4                  | 26     |
| 186                        | RGR4                  | 26     |
| 187                        | RGR4                  | 26     |
| 188                        | RGR4                  | 26     |
| 209                        | RGR4                  | 26     |
| 210                        | RGR4                  | 26     |
| 211                        | RGR4                  | 26     |
| 212                        | RGR4                  | 26     |
| 213                        | RGR4                  | 26     |
| 214                        | RGR4                  | 26     |
| 215                        | RGR4                  | 26     |
| 216                        | RGR4                  | 26     |
| 217                        | RGR4                  | 26     |
| 218                        | RGR4                  | 26     |
| 219                        | RGR4                  | 26     |
| 220                        | RGR4                  | 26     |
| 221                        | RGR4                  | 26     |
| 222                        | RGR4                  | 26     |
| 223                        | RGR4                  | 26     |
| 224                        | RGR4                  | 26     |
| 225                        | RGR4                  | 26     |
| 226                        | RGR4                  | 26     |
| 227                        | RGR4                  | 26     |
| 228                        | RGR4                  | 26     |

| PARKING LOT DESIGN GUIDE                                                                                                                                                                                                                                                                                                          | MAINTAINED HORIZONTAL |              | MAINTAINED VERTICAL |              | MAXIMUM                              |         |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|---------------------|--------------|--------------------------------------|---------|---------|
|                                                                                                                                                                                                                                                                                                                                   | APPLICATION AND TASK  | AVERAGE (FC) | RANGE (FC)          | AVERAGE (FC) | RANGE (FC)                           | AVG:MIN | MAX:MIN |
| PARKING (UNCOVERED) ZONE 3 (URBAN)                                                                                                                                                                                                                                                                                                | 1.5                   | 0.75 - 3     | 0.8                 | 0.4 - 1.6    | 4:1                                  | 15:1    |         |
| PARKING (UNCOVERED) ZONE 2 (SUBURBAN)                                                                                                                                                                                                                                                                                             | 1                     | 0.5 - 2      | 0.6                 | 0.3 - 1.2    | 4:1                                  | 15:1    |         |
| SAFETY (BUILDING EXTERIOR)                                                                                                                                                                                                                                                                                                        | 1                     | 0.5 - 2      | -                   | -            | FOR SECURITY ISSUES, RAISE AVG. TO 3 |         |         |
| SIMPLIFIED RECOMMENDATIONS BASED ON IES 'THE LIGHTING HANDBOOK' 10TH EDITION AND IES RP-20-14. INDIVIDUAL APPLICATIONS WILL DETERMINE SPECIFIC RECOMMENDATIONS. PLEASE REFER TO THE MOST RECENT HANDBOOK FOR A MORE DETAILED EVALUATION AND ADDITIONAL APPLICATIONS. THESE RECOMMENDATIONS DO NOT SUPERCEDE ANY APPLICABLE CODES. |                       |              |                     |              |                                      |         |         |

PROJECT NAME:

CAR WASH FACILITY - PALATINE, IL.

CLIENT NAME:  
NERI ARCHITECTS

PG CONTACT:  
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Patti.Geier@pg-enlighten.com  
847.228.1199

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1  
2  
3  
REVISIONS





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|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|------------------|------------------|-----------------|------------|-------|--------------------|----------------------------|
| Symbol                                                                                                                                        | Qty | Tag  | Arrangement | Luminaire Lumens | Arr. Lum. Lumens | Luminaire Watts | Arr. Watts | LLF   | Manufacturer       | Description                |
| ⬢                                                                                                                                             | 31  | C    | Single      | 4450             | 4450             | 30.405          | 30.405     | 0.900 | BEACON             | VSH-30-4K7-UNV             |
| ⊕                                                                                                                                             | 22  |      | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |
| ⊕                                                                                                                                             | 10  | DN   | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc. | RGR4-CC-XX                 |
| ⊗                                                                                                                                             | 13  | WAL  | GROUP       | N.A.             | 4480             | N.A.            | 55.742     | 0.900 | FC Lighting        | FCC600-5L-UD               |
| ⎓                                                                                                                                             | 5   | A1-4 | Single      | 15232            | 15232            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-4W-X-X-X |
| ⎓                                                                                                                                             | 4   | A1-3 | Single      | 15413            | 15413            | 109.7           | 109.7      | 0.900 | EXO                | ASL1-160L-115-4K7-3-U      |

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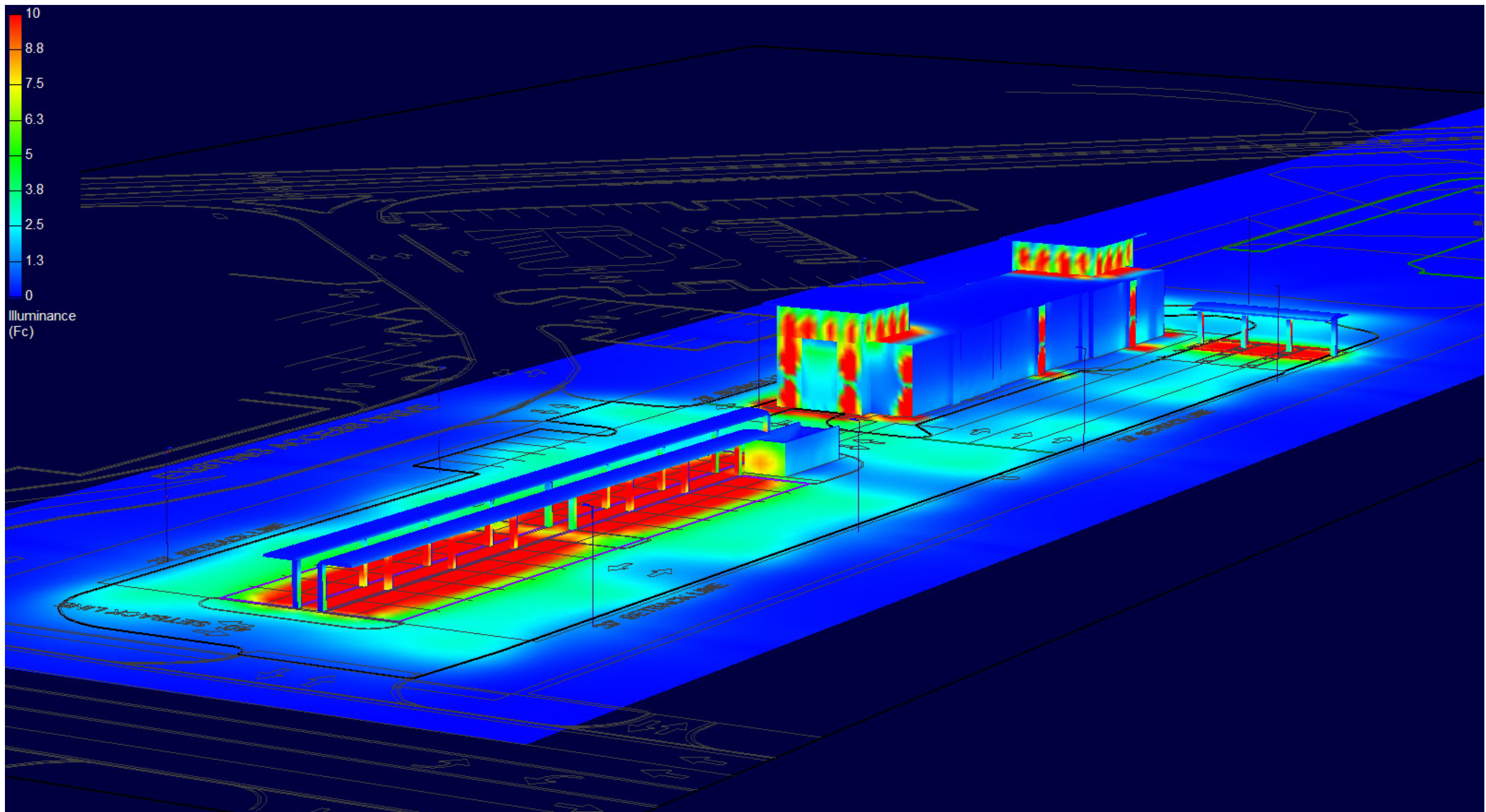
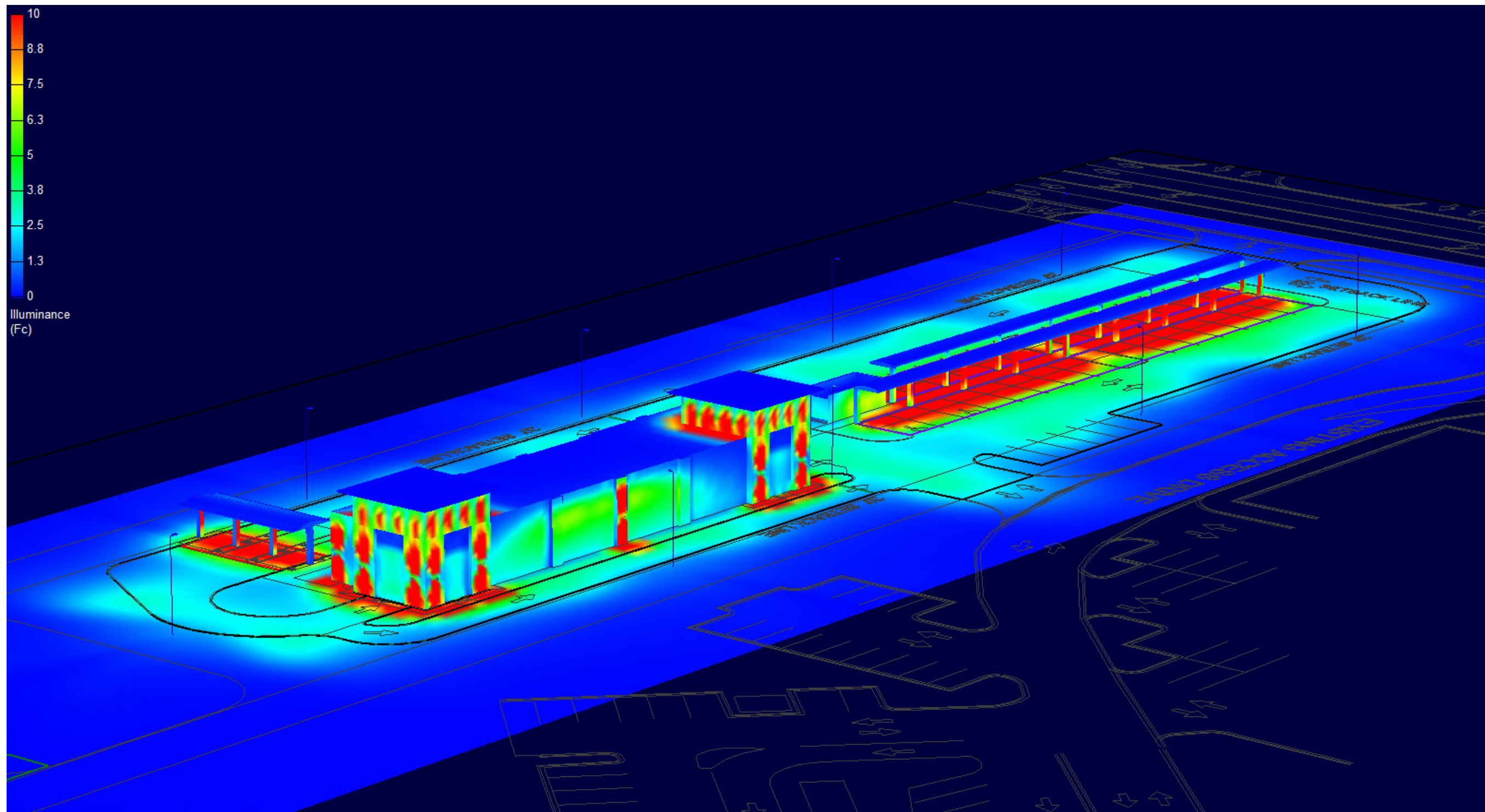
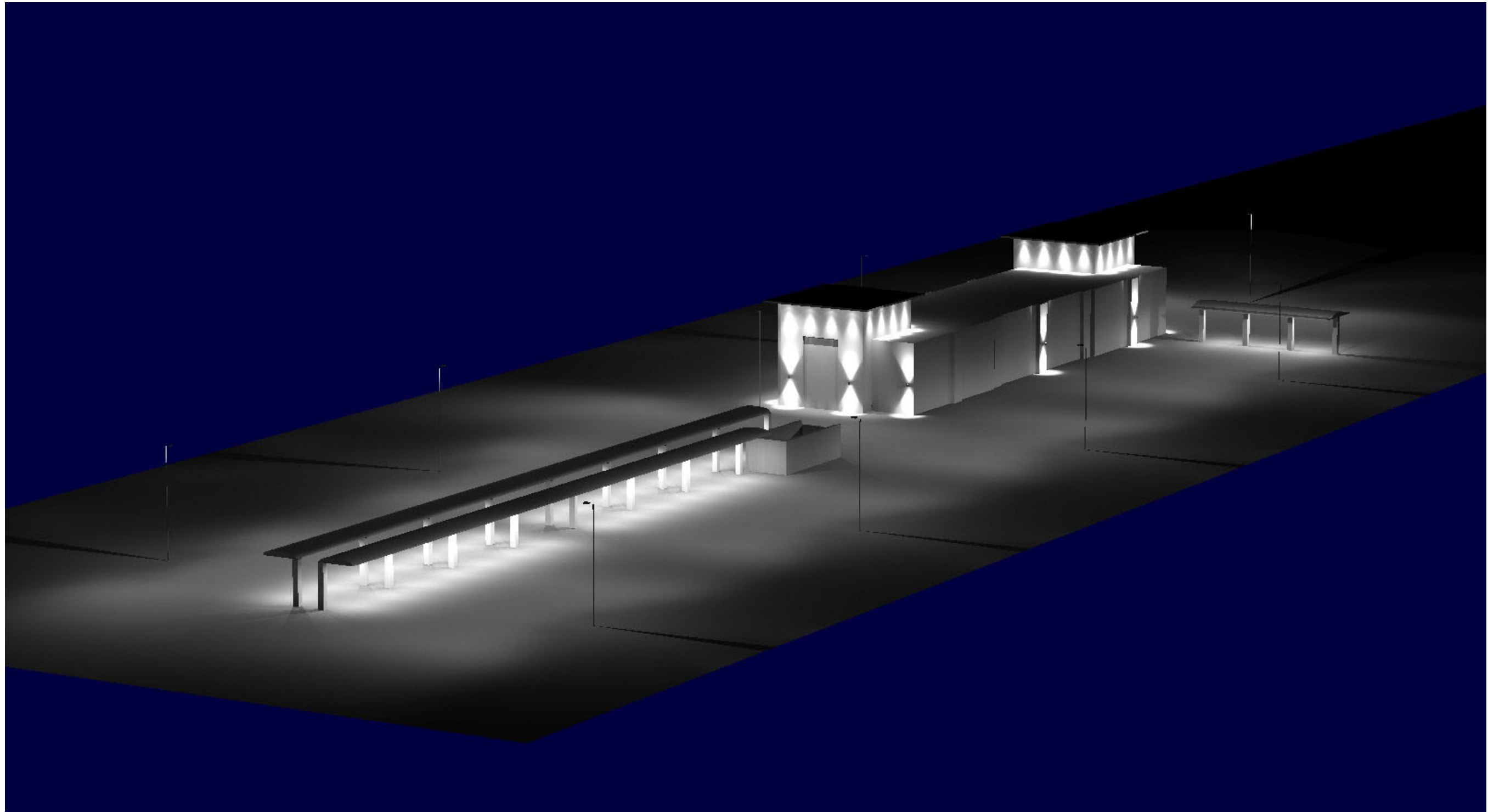
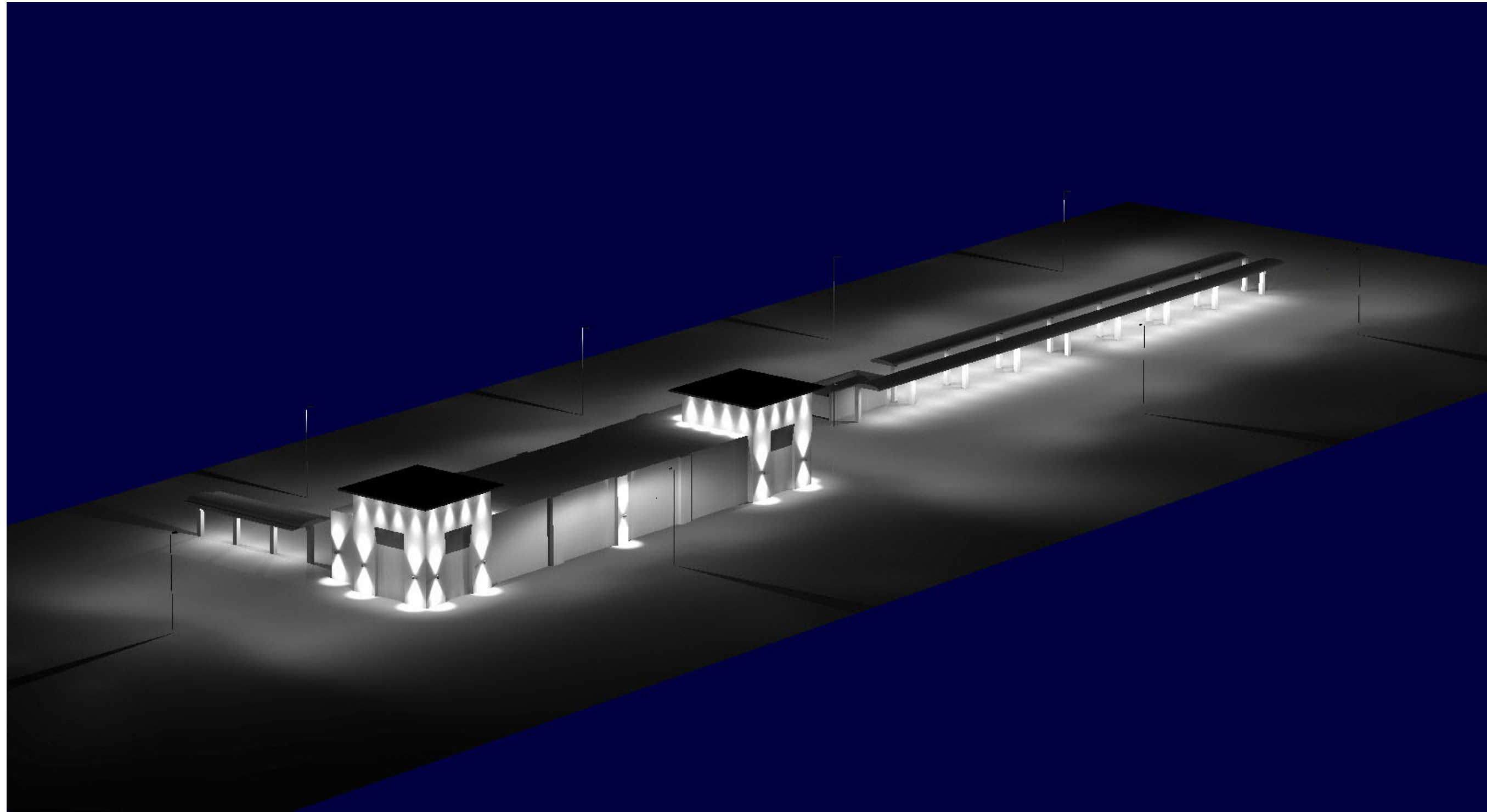
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CALCULATION GRID VALUES 10'-0" O.C.

| Calculation Summary |             |       |       |      |     |         |         |             |  |
|---------------------|-------------|-------|-------|------|-----|---------|---------|-------------|--|
| Label               | CalcType    | Units | Avg   | Max  | Min | Max/Min | Avg/Min | Description |  |
| FULL AREA           | Illuminance | Fc    | 4.88  | 78.3 | 0.1 | 783.00  | 48.80   |             |  |
| PROPERTY LINE       | Illuminance | Fc    | 0.21  | 2.5  | 0.0 | N.A.    | N.A.    |             |  |
| CANOPY #1           | Illuminance | Fc    | 13.09 | 21.3 | 4.3 | 4.95    | 3.04    |             |  |
| CANOPY #2           | Illuminance | Fc    | 12.18 | 22.0 | 3.7 | 5.95    | 3.29    |             |  |
| DRIVE AISLE         | Illuminance | Fc    | 3.37  | 69.7 | 1.0 | 69.70   | 3.37    |             |  |
| PAY CANOPY          | Illuminance | Fc    | 11.53 | 16.8 | 6.3 | 2.67    | 1.83    |             |  |



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CLIENT NAME:  
NERI ARCHITECTS

DATE: 3/15/2023

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|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|------------------|------------------|-----------------|------------|-------|---------------------|----------------------------|--|
| Symbol                                                                                                                                        | Qty | Tag  | Arrangement | Luminaire Lumens | Arr. Lum. Lumens | Luminaire Watts | Arr. Watts | LLF   | Manufacturer        | Description                |  |
| ⊕                                                                                                                                             | 22  |      | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lightfing Inc. | RGR4-CC-XX                 |  |
| ⊕                                                                                                                                             | 10  | DN   | Single      | 996              | 996              | 14.4            | 14.4       | 0.900 | DALS Lighting Inc.  | RGR4-CC-XX                 |  |
| ⊕                                                                                                                                             | 13  | WAL  | GROUP       | N.A.             | 4480             | N.A.            | 55.742     | 0.900 | FC Lighting         | FCC600-5L-UD               |  |
| ⊕                                                                                                                                             | 5   | A1-4 | Single      | 15232            | 15232            | 109.7           | 109.7      | 0.900 | EXO                 | ASL1-160L-115-4K7-4W-X-X-X |  |
| ⊕                                                                                                                                             | 4   | A1-3 | Single      | 15413            | 15413            | 109.7           | 109.7      | 0.900 | EXO                 | ASL1-160L-115-4K7-3-U      |  |

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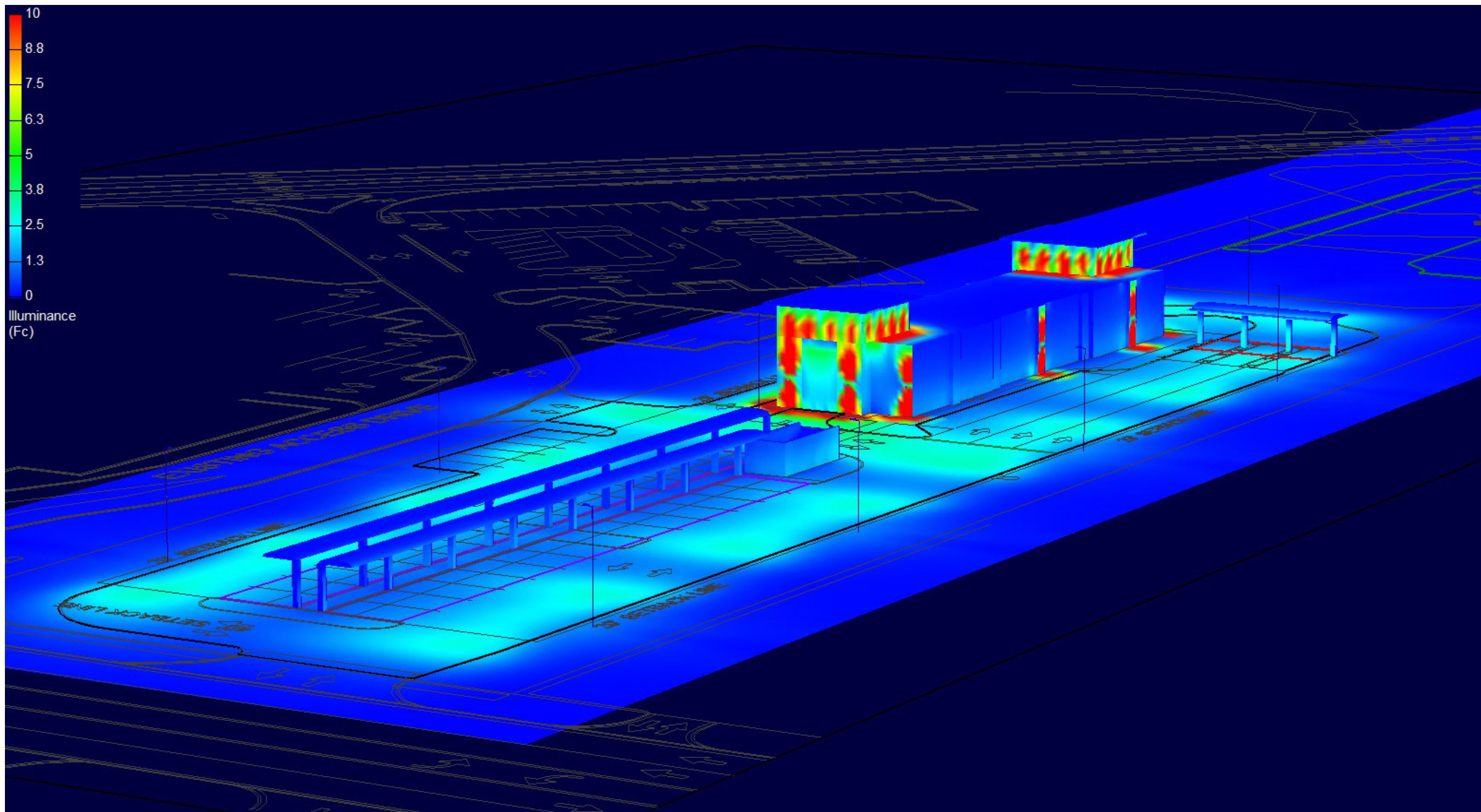
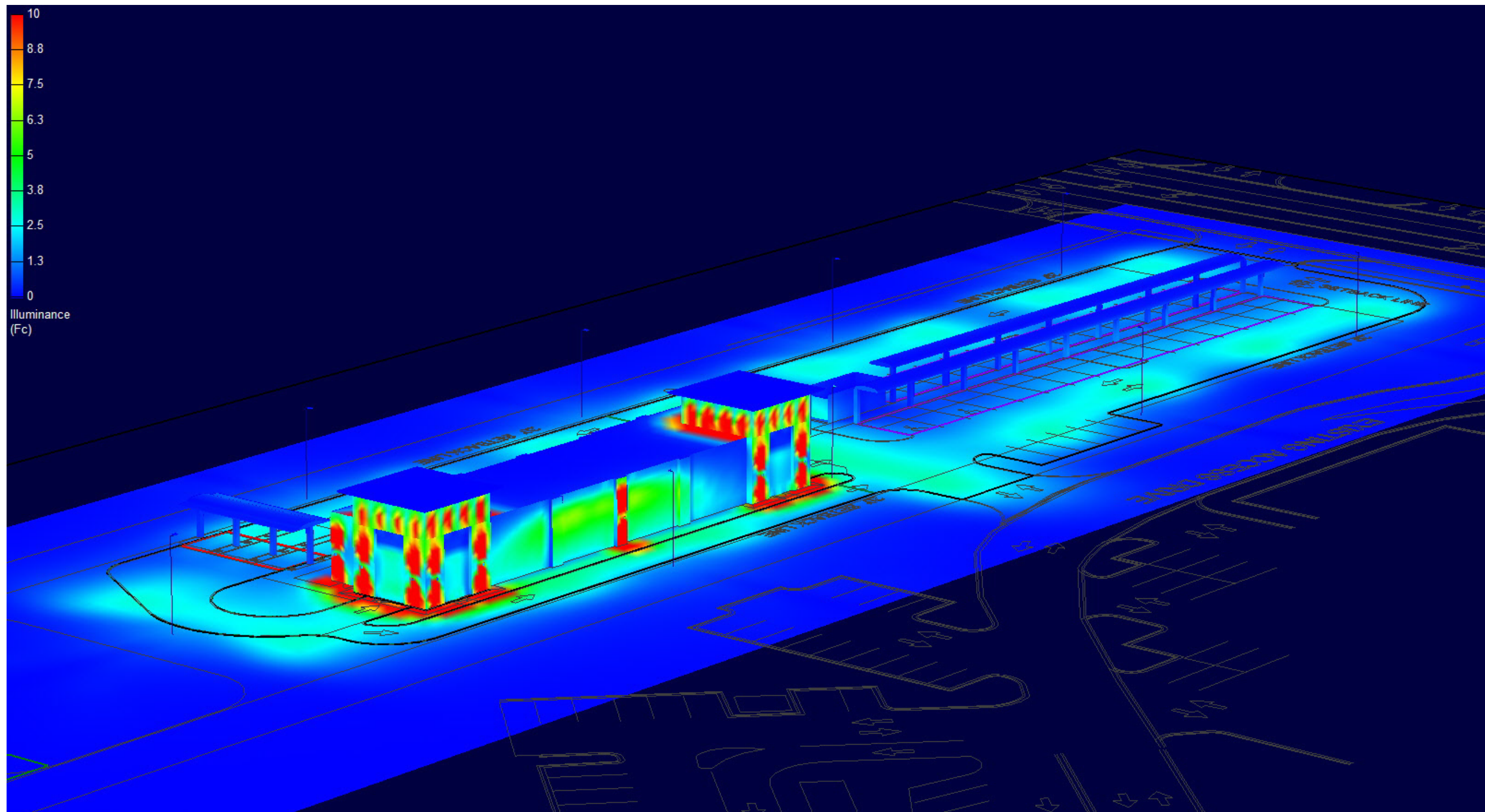
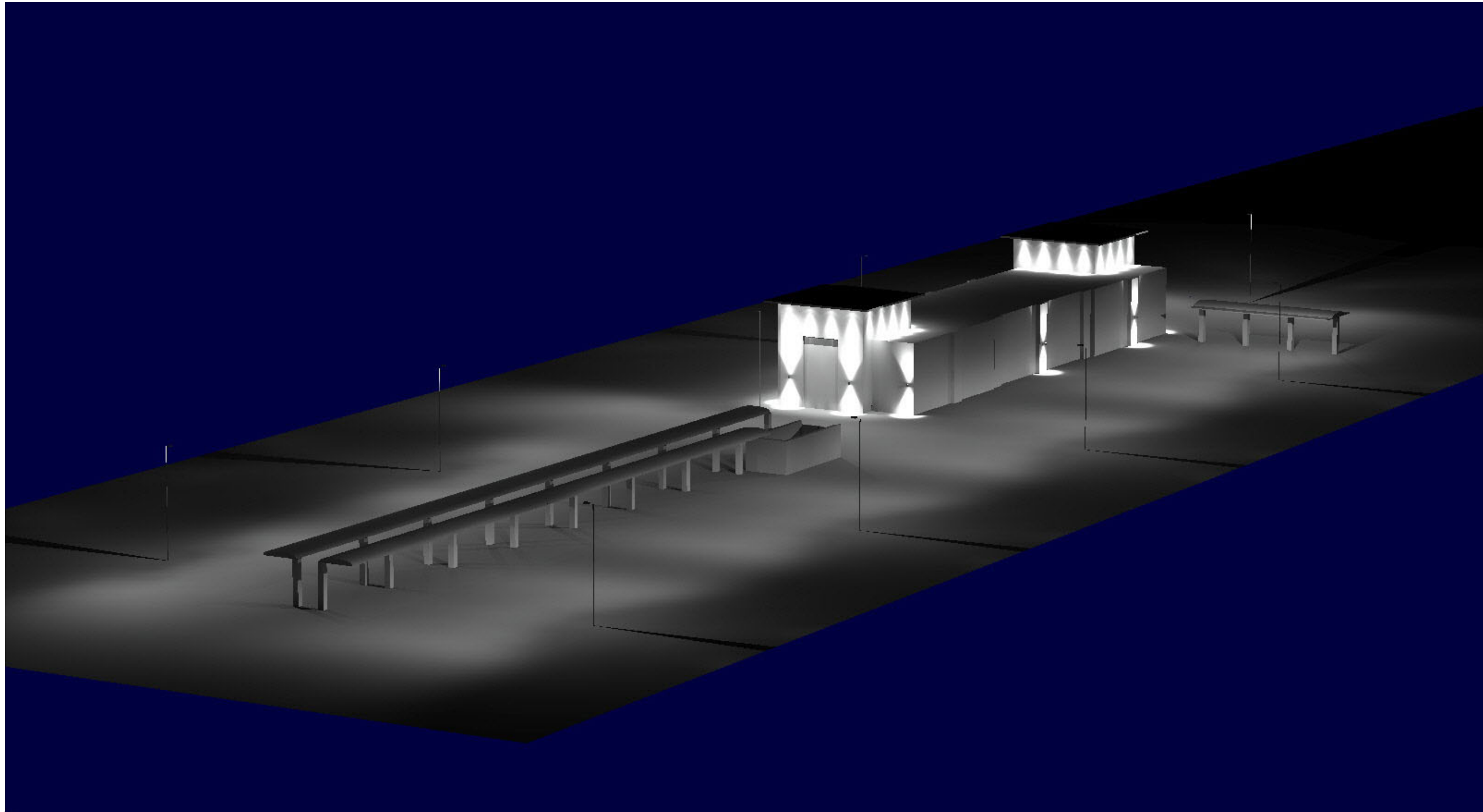
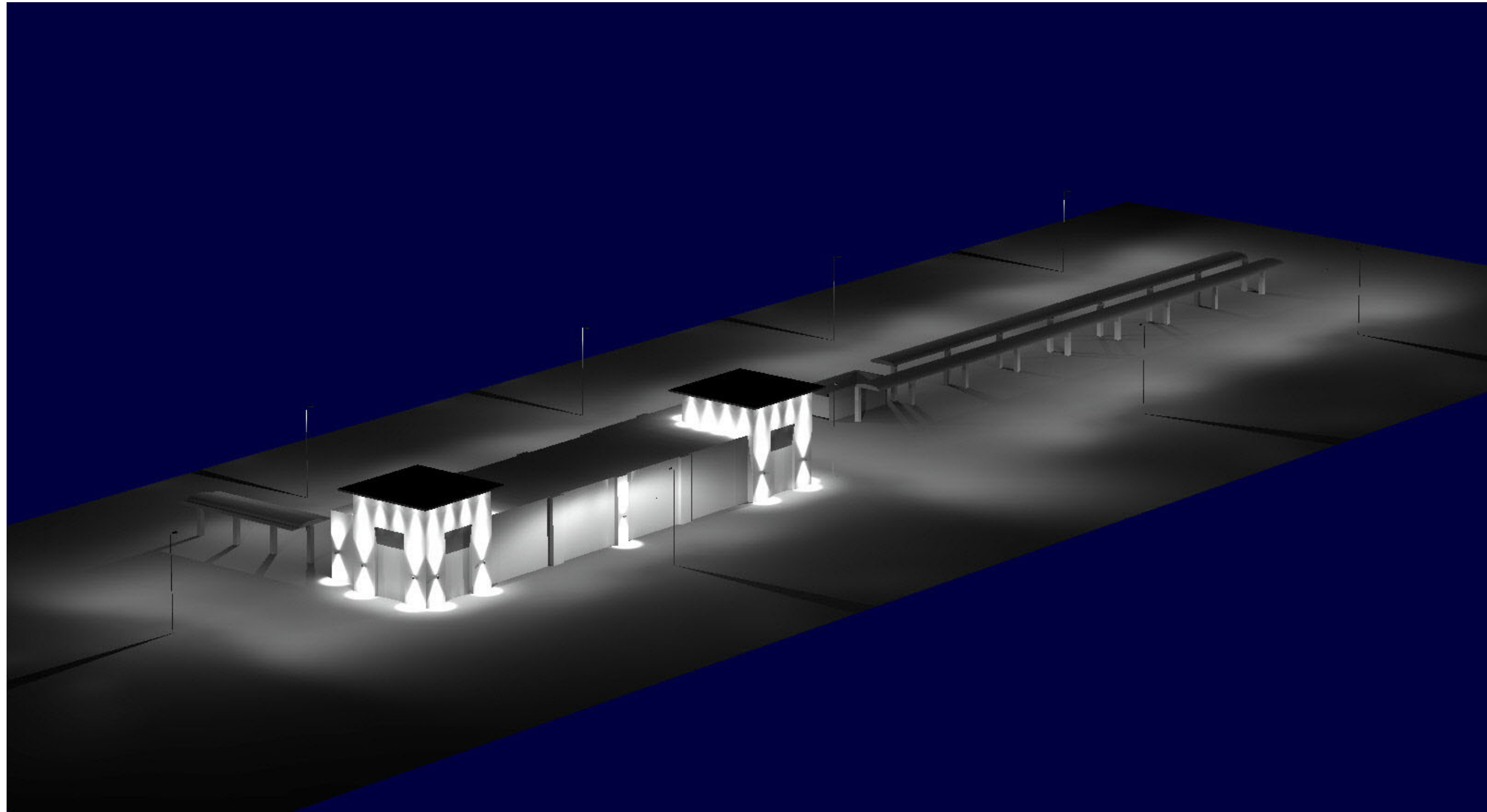
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| Calculation Summary |             |       |      |      |     |         |         |             |  |
|---------------------|-------------|-------|------|------|-----|---------|---------|-------------|--|
| Label               | CalcType    | Units | Avg  | Max  | Min | Max/Min | Avg/Min | Description |  |
| FULL AREA           | Illuminance | Fc    | 2.42 | 78.3 | 0.1 | 783.00  | 24.20   |             |  |
| PROPERTY LINE       | Illuminance | Fc    | 0.20 | 2.5  | 0.0 | N.A.    | N.A.    |             |  |
| CANOPY #1           | Illuminance | Fc    | 1.28 | 2.0  | 0.3 | 6.67    | 4.27    |             |  |
| CANOPY #2           | Illuminance | Fc    | 1.28 | 1.8  | 0.9 | 2.00    | 1.42    |             |  |
| DRIVE AISLE         | Illuminance | Fc    | 2.63 | 69.7 | 0.5 | 139.40  | 5.26    |             |  |
| PAY CANOPY          | Illuminance | Fc    | 1.69 | 2.4  | 0.5 | 4.80    | 3.38    |             |  |



PROJECT NAME:

CAR WASH FACILITY - PALATINE, IL.

CLIENT NAME:

NERI ARCHITECTS

Date:3/15/2023

DRAWN BY:

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| 1         | 2 | 3 |
|-----------|---|---|
| REVISIONS |   |   |



**PUBLIC NOTICE**  
A Public Hearing will be held before the Village of Palatine Planning and Zoning Commission on Tuesday, May 23, 2023 at 7 P.M. in the Village Council Chambers in Palatine Village Hall, 200 E. Wood Street, relative to a request for the following:

**Special Use to permit to construct and open an automobile laundry facility at the subject property.**  
The property is commonly known as 2239 N. Rand Road & 2251 N. Rand Road. The Petitioner is proposing to demolish the existing buildings on the property and redevelop site to construct a drive-through touchless car wash, Zoomies Express Car Wash, that will include a bay of covered vacuums.

The above petition has been filed by Alan Jacob, Car Wash Pro Designers, and is available for examination in the office of the Village Clerk, 200 E. Wood Street.  
FILE #: SU-000029-2023  
VILLAGE OF PALATINE  
Jan Wood, Chair  
Palatine Planning and Zoning Commission  
DATED: This 4th day of May 2023  
Published in Daily Herald  
May 8, 2023 (4599519)

## CERTIFICATE OF PUBLICATION

Paddock Publications, Inc.

### Northwest Suburbs Daily Herald

Corporation organized and existing under and by virtue of the laws of the State of Illinois, DOES HEREBY CERTIFY that it is the publisher of the **Northwest Suburbs DAILY HERALD**. That said **Northwest Suburbs DAILY HERALD** is a secular newspaper, published in Arlington Heights, Cook County, State of Illinois, and has been in general circulation daily throughout Cook County, continuously for more than 50 weeks prior to the fi Publication of the attached notice, and a newspaper as defined by 715 ILCS 5

I further certify that the **Northwest Suburbs DAILY HERALD** is a newspaper as defined in "an Act to revise the law in relation to notices" as amended in 1992 Illinois Compiled Statutes, Chapter 715, Act 5, Section 1 and 5. That notice of which the annexed printed slip is a true copy, was published 05/08/2023 in said **Northwest Suburbs DAILY HERALD**. This notice was also placed a statewide public notice website as required by 5 ILCS 5/2.1.

BY

*Danula Baltz*

Designee of the Publisher of the Daily Herald

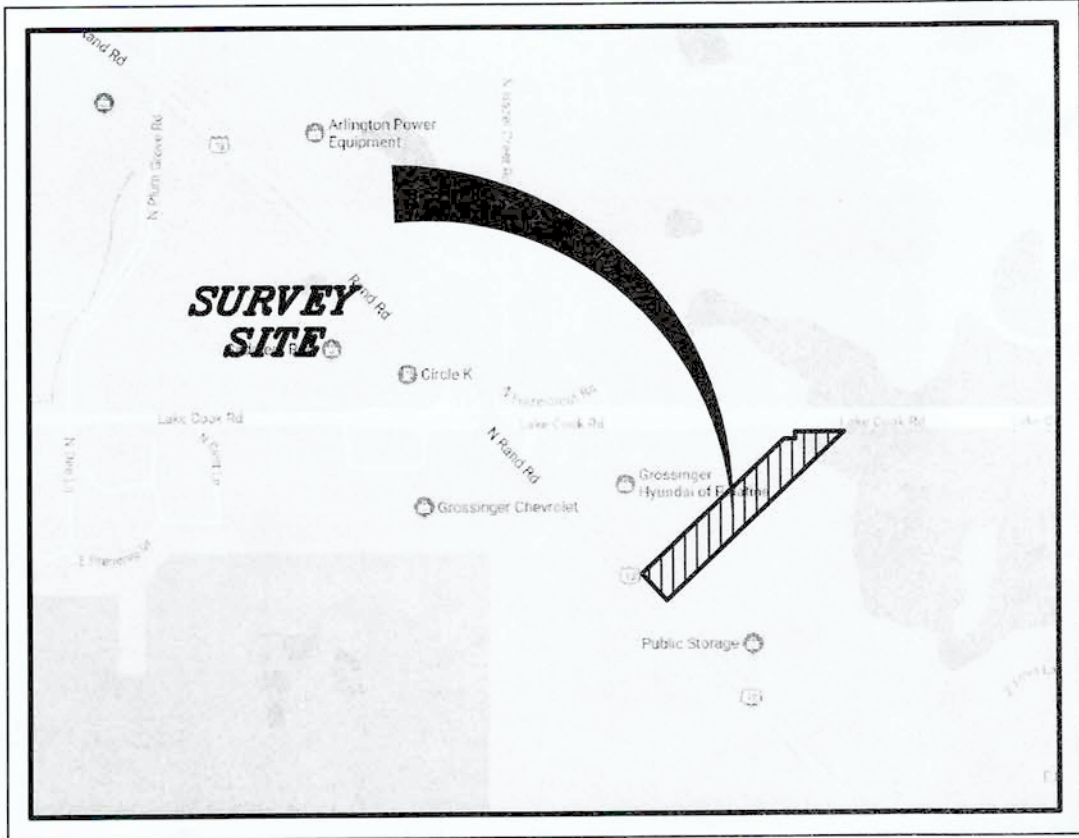
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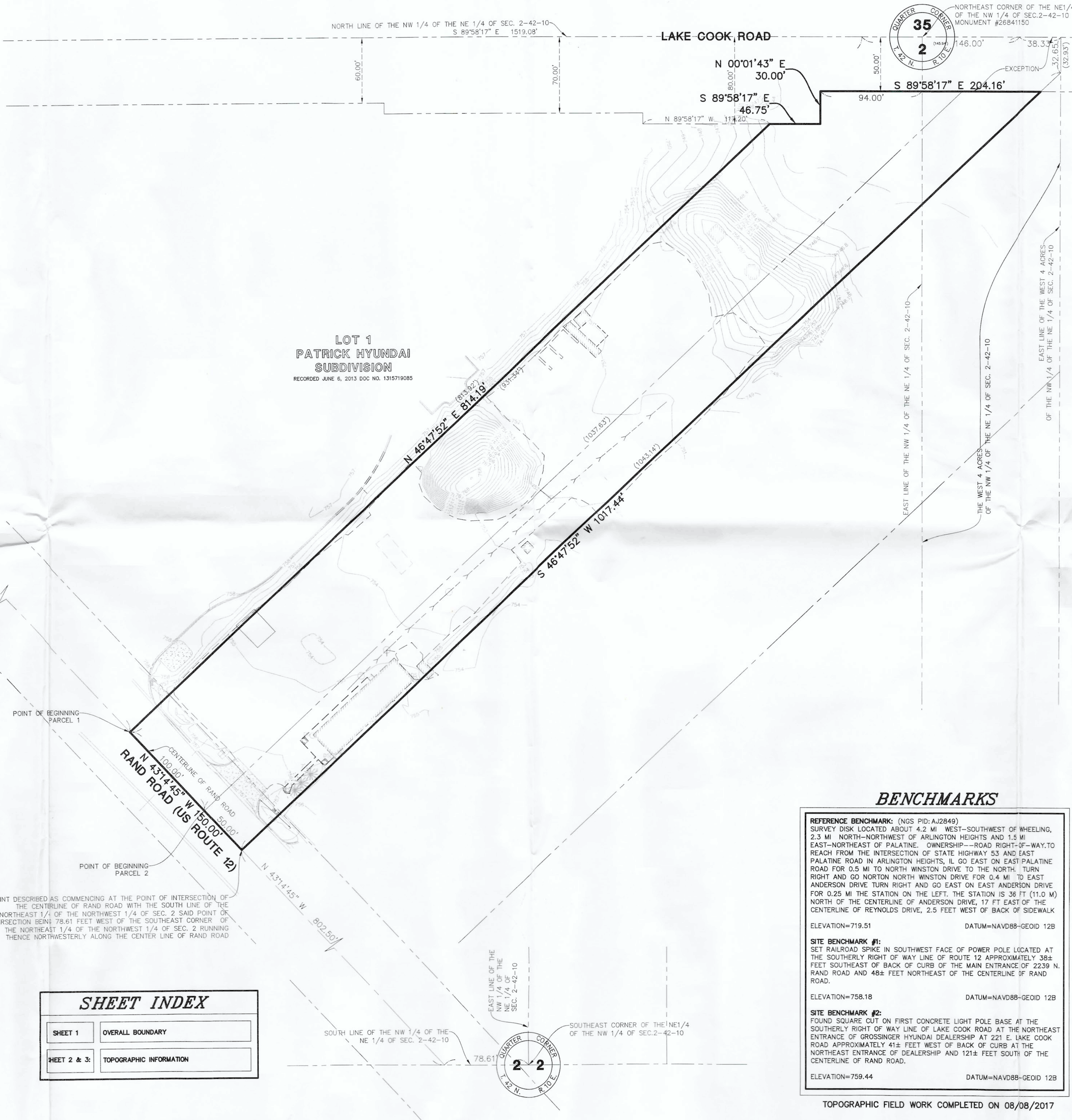
Attachment: PZC Materials - May 23, 2023 (2239 N. Rand Road - SU Car Wash)



# TOPOGRAPHIC SURVEY



LOCATION MAP  
NOT TO SCALE



LOT 1  
PATRICK HYUNDAI  
SUBDIVISION  
RECORDED JUNE 6, 2013 DOC NO. 1315719085

## BASIS OF BEARINGS

COORDINATES AND BEARINGS ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83), ADJUSTED TO GROUND VALUES, AS ESTABLISHED BY A REAL-TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) UTILIZING THE TRIMBLE VRS NOW NETWORK.

## SURVEY PREPARED FOR

JASON LANDRY  
2251 N. RAND ROAD  
PALATINE, ILLINOIS 60074

## LEGAL DESCRIPTION

THAT PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER AND THE WEST 4 ACRES OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE POINT OF INTERSECTION OF THE CENTERLINE OF RAND ROAD WITH THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; SAID POINT OF INTERSECTION BEING 16.12 FEET SOUTH OF THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; THENCE SOUTHEASTERLY ALONG THE CENTERLINE OF RAND ROAD 854 FEET TO THE PLACE OF BEGINNING; THENCE SOUTHEASTERLY ALONG THE CENTERLINE OF RAND ROAD, 100 FEET; THENCE NORTHEASTERLY IN A STRAIGHT LINE 1037.63 FEET TO A POINT IN THE NORTH LINE OF SAID SECTION 2 THAT IS 1409.41 FEET EAST OF THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2; THENCE WEST ALONG THE NORTH LINE OF SECTION 2 AFORSAID, 145.94 FEET; THENCE SOUTHWESTERLY IN A STRAIGHT LINE 931.34 FEET TO THE PLACE OF BEGINNING; (EXCEPT THAT PART THEREOF DESCRIBED AS FOLLOWS: THAT PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER, AND THE WEST 4 ACRES OF THE NORTHWEST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL, LYING NORTH OF A LINE DESCRIBED AS FOLLOWS: BEGINNING AT A POINT OF INTERSECTION OF THE EAST LINE OF THE WEST 4 ACRES OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER AFORESAID WITH A LINE 50 FEET SOUTH OF AND PARALLEL WITH THE NORTH LINE OF SAID SECTION 2; THENCE WEST PARALLEL WITH SAID NORTH LINE TO A POINT THAT IS 94 FEET WEST OF AND 50 FEET SOUTH OF THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2 (AS MEASURED ON SAID NORTH LINE AND ON A LINE AT RIGHT ANGLES THEREOF); THENCE SOUTH AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 30 FEET; THENCE WEST PARALLEL WITH THE NORTH LINE OF SAID SECTION 2, TO THE WEST LINE OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 2); IN COOK COUNTY, ILLINOIS.

## SURVEYOR'S NOTES

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESES (456.67) ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, BENCHMARKS AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THIS SURVEY IS SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT, EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- ONLY THE IMPROVEMENTS WHICH WERE VISIBLE FROM ABOVE GROUND AT THE TIME OF SURVEY AND THROUGH A NORMAL SEARCH AND WALK THROUGH OF THE SITE ARE SHOWN ON THE FACE OF THIS PLAT. LAWN SPRINKLER SYSTEMS, IF ANY, ARE NOT SHOWN ON THIS SURVEY.
- THIS SURVEY MAY NOT REFLECT ALL UTILITIES, OR IMPROVEMENTS, IF SUCH ITEMS ARE HIDDEN BY LANDSCAPING OR ARE COVERED BY LEAVES OR OTHER OBSTRUCTIONS. THERE MAY BE ADDITIONAL UTILITIES OR IMPROVEMENTS THAT HAVE NOT BEEN SHOWN.
- UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, STORM AND SANITARY SEWERS, WATER MAINS, TELEPHONE AND ELECTRIC CABLES OR CONDUITS, GAS MAINS AND ALL SERVICE LINES SHOWN HEREON ARE BASED ON THE FOLLOWING: ACTUAL OBSERVED LOCATION AT AN OPEN MANHOLE; ENGINEERING PLANS SHOWING THE EXISTING AND/OR PROPOSED UTILITY; UTILITY ATLASES FROM PRIVATE UTILITY COMPANIES AND/OR LOCAL MUNICIPALITIES. THE EXACT LOCATION MAY BE DIFFERENT FROM THE LOCATION SHOWN HEREON.
- OTHER THAN VISIBLE OBSERVATIONS NOTED HEREON, THIS SURVEY MAKES NO STATEMENT REGARDING THE ACTUAL PRESENCE OR ABSENCE OF ANY SERVICE OR UTILITY LINE. CONTROLLED UNDERGROUND EXPLORATORY EFFORT TOGETHER WITH "J.U.L.I.E." MARKINGS IS RECOMMENDED TO DETERMINE THE FULL EXTENT OF UNDERGROUND SERVICE AND UTILITY LINES. CONTACT J.U.L.I.E. AT 1-800-892-0123.
- THIS SURVEY WAS PREPARED FOR JASON LANDRY BASED ON A FIELD SURVEY COMPLETED ON AUGUST 8, 2017. BOUNDARY LINES SHOWN HEREON ARE BASED ON A PLAT OF SURVEY PREPARED BY MANHARD CONSULTING LTD. DATED
- THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A TOPOGRAPHIC SURVEY. MANHARD CONSULTING, LTD. IS A PROFESSIONAL DESIGN FIRM, REGISTRATION NUMBER 184003350, EXPIRES APRIL 30, 2017.

## SHEET INDEX

|             |                         |
|-------------|-------------------------|
| SHEET 1     | OVERALL BOUNDARY        |
| SHEET 2 & 3 | TOPOGRAPHIC INFORMATION |

## BENCHMARKS

**REFERENCE BENCHMARK:** (NGS PID: A2849)  
SURVEY DISK LOCATED ABOUT 4.2 MI WEST-SOUTHWEST OF WHEELING, 2.3 MI NORTH-NORTHWEST OF ARLINGTON HEIGHTS AND 1.5 MI EAST-NORTHEAST OF PALATINE. OWNERSHIP--ROAD RIGHT-OF-WAY-TO REACH FROM THE INTERSECTION OF STATE HIGHWAY 53 AND EAST PALATINE ROAD IN ARLINGTON HEIGHTS, IL GO EAST ON EAST PALATINE ROAD FOR 0.5 MI TO NORTH WINSTON DRIVE TO THE NORTH. TURN RIGHT AND GO NORTH WINSTON DRIVE FOR 0.4 MI TO EAST ANDERSON DRIVE TURN RIGHT AND GO EAST ON EAST ANDERSON DRIVE FOR 0.25 MI THE STATION ON THE LEFT. THE STATION IS 36 FT (11.0 M) NORTH OF THE CENTERLINE OF ANDERSON DRIVE, 17 FT EAST OF THE CENTERLINE OF REYNOLDS DRIVE, 2.5 FEET WEST OF BACK OF SIDEWALK  
ELEVATION=719.51 DATUM=NAVD88-GEOD 12B

**SITE BENCHMARK #1:**  
SET RAILROAD SPIKE IN SOUTHWEST FACE OF POWER POLE LOCATED AT THE SOUTHERLY RIGHT OF WAY LINE OF ROUTE 12 APPROXIMATELY 38± FEET SOUTHEAST OF BACK OF CURB OF THE MAIN ENTRANCE OF 2239 N. RAND ROAD AND 48± FEET NORTHEAST OF THE CENTERLINE OF RAND ROAD.  
ELEVATION=758.18 DATUM=NAVD88-GEOD 12B

**SITE BENCHMARK #2:**  
FOUND SQUARE CUT ON FIRST CONCRETE LIGHT POLE BASE AT THE SOUTHERLY RIGHT OF WAY LINE OF LAKE COOK ROAD AT THE NORTHEAST ENTRANCE OF GROSSINGER HYUNDAI DEALERSHIP AT 221 E. LAKE COOK ROAD APPROXIMATELY 41± FEET WEST OF BACK OF CURB AT THE NORTHEAST ENTRANCE OF DEALERSHIP AND 121± FEET SOUTH OF THE CENTERLINE OF RAND ROAD.  
ELEVATION=759.44 DATUM=NAVD88-GEOD 12B

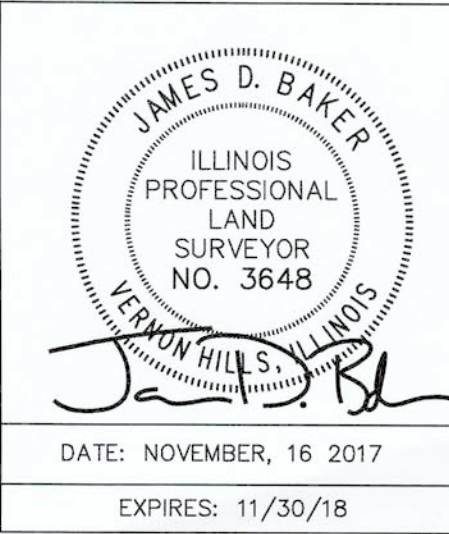
TOPOGRAPHIC FIELD WORK COMPLETED ON 08/08/2017

## PROPERTY ADDRESS

2239 N. RAND ROAD, PALATINE ILLINOIS

## PROPERTY AREA

139,733 SQUARE FEET (3.208 ACRES)



PROPOSED SELF STORAGE FACILITY  
2239 N. RAND ROAD, PALATINE, ILLINOIS  
TOPOGRAPHIC SURVEY

PROJ. MOR: J.C.  
PROJ. ASSOC: JDB  
DRAWN BY: PJD  
DATE: 08/08/17  
SCALE: 1"=50'  
SHEET  
1 OF 3  
J.L.A.P.L.01



## 5. 2239 N. Rand Road

Notice was published in the Daily Herald on May 04, 2023 and mailed to the owners of the surrounding properties.

**Petitioner's Exhibits:**

1. Application for Special Use
2. Proof of Ownership
3. Narrative & Business Plan
4. Plat of Survey
5. Site Plan
6. Architectural & Landscaping Plans
7. Proposed Renderings
8. Noise Impact Study
9. Resolution R-64-12 Patrick Hyundai Subdivision
10. Photometric Plan
11. Public Notice

Mr. Bradshaw gave a brief outline of the request explaining the petitioner is proposing to demolish the existing structure on the property and redevelop the site to construct a drive-through touchless car wash ("Zoomies Express Car Wash"), which will include a covered bay of vacuums therefore, the Petitioner is requesting:

- Special Use to permit an automotive laundry at the subject property.

**Sworn in petitioners: Mr. Alan Jacobs Carwash Pro Designers attorney representing the petitioner Kirsch Capital Partners LLC & Mr. Nick Spallone Carwash Pro Designers 6400 N. Northwest Hwy Chicago, IL**

Mr. Jacobs stated the parcel is zoned B-5 highway. He stated they are seeking to obtain a special use permit to build an express carwash/ luxury auto spa. He stated the carwash is designed to have state of the art equipment, will run on a belt or conveyer drive and is using plant-based soaps. Mr. Jacobs stated they submitted a photometric of light on property, provided specs on all material that makes sounds and have done countless sound studies. He stated Palatine does not have a standard allowance for the subject zoning district. He explained the State of Illinois is 65 and they do not exceed that. Mr. Jacobs spoke to the standards and thinks this is deemed necessary. He stated the carwash has a unique conveyer belt touchless carwash that gives the customer the ability to choose touch to touchless which is beneficial to the newer cars with their sensors. He stated newer cars have a ceramic coating so should not go through car washes with brushes. Mr. Jacobs stated there are no car washes within 40-mile radius with these options. He stated the public health safety and welfare is protected with plant-based soaps and the photometric will show zero-foot candles escape properties. Mr. Jacobs stated the traffic will be internally controlled on site. He stated it will not destroy or alter the vistas and if fencing is required they will meet that standard. Mr. Jacobs pointed out it is ascetically

pleasing referring to the rendering slide. He stated it will add value to adjacent properties on Rand Road.

Chairman Bettenhausen asked if the gates are automatic.  
Mr. Jacobs answered, yes.

Chairman Bettenhausen pointed out they have limited staff and asked what if someone is confused.

Mr. Jacobs stated during nonpeak hours they have a minimum of 3 people and during peak they will have 6. He explained staffs' job is to patrol the vacuum area to keep cleaned and at pay stations to answer questions. He stated there are sensors on the gates to know when cars are approaching will not open until it is clear.

Chairman Bettenhausen asked if there will be staff at the entrance of the gate.  
Mr. Jacobs answered yes both at entry and exit.

Chairman Bettenhausen asked if there is any safety device to prevent rear ending.

Mr. Jacobs explained the belt system that keeps space in between and prevents them from moving.

Mr. Spallone stated there are multiple employees on site. He explained there will be 3 people when not busy, 1 attending the pay stations to assist and educating customers, 1 inside entrance to guide cars on belt and 1 at exit. He stated in the event a car gets off the belt or if the cars get within 4ft of each other there is an emergency shut down all throughout.

Chairman Friedman asked if all vehicles on the same conveyer belt.

Mr. Spallone explained there are 2 separate belts 3ft wide. He stated the belts can accommodate multiple vehicles including dually, wide tires, super low.

Chairman Fedota clarified touchless is an option but standard is still an option.

Mr. Spallone explained there are 5 wash options, 4 with friction and the 5<sup>th</sup> is touchless.

Chairman Fedota asked about the hours of operation.

Mr. Spallone stated typically during the off season 8-8 Monday-Saturday, 9-6 Sundays and during warm weather 7-9 Monday-Saturday 8-6 Sunday.

Chairman Roth-Wurster asked if they recycle the water.

Mr. Spallone explained his system takes air and water that makes it appear like more water is being used but using 1/10th of the typical amount. He explained the reverse osmosis system that takes water and turns it into bottle water to allow it to dry without residue on the vehicles.



Chairman Roth-Wurster asked if the water goes to the sewer.

Mr. Spallone stated it goes through a triple basin, like a grease pit, then to the sewer.

Chairman Roth-Wurster pointed out it is near water and wetlands and asked what measures are in place to prevent runoff.

Mr. Spallone stated all chemicals used are drinkable. He further explained all runoff will be treated through the triple basin before leaving property and they will have MWRD approvals.

Chairman Fedota asked about signage.

Mr. Spallone stated they will comply with city signage requests. He stated they contacted MWRD about existing monument sign that they may just reface and they have no issue.

Chairman Friedman asked if the signage will all be building mounted

Mr. Spallone answered yes and one more sign on Rand Road

Chairman Roth-Wurster asked about projected volume.

Mr. Spallone stated he would like 10,000 a day but performance says 300-500 cars over 12-14 hours.

Chairman Roth-Wurster pointed out there are a lot of carwashes on that side of town.

Mr. Spallone explained this is a different type of wash that takes the anxiety out of the wash process with the new car systems.

Chairman Friedman asked about escape lanes.

Mr. Spallone stated the gates have breakaways so in the event a customer needs to leave the attendants on site will be able to assist them to exit.

Chairman Kolososki asked about the access to the site off Rand and if it would be right in and right out.

Mr. Spallone explained they are asking for full access but have to go through IDOT.

Chairman Roth-Wurster asked if the access drive is by Starbucks.

Mr. Spallone answered yes.

Chairman Bettenhausen asked if the cars are blown dry at the end.

Mr. Spallone answered yes.

Chairman Bettenhausen pointed out on the side of the stacking lanes the plans say customer preparation.

Mr. Spallone explained it will allow people to throw out garbage or remove antennae to get car ready before the wash.

Chairman Bettenhausen asked if they have had issues with people not allowing those customers to enter.

Mr. Spallone explained the new technology that controls the gates within loops in the concrete.

Mr. Bradshaw gave a brief overview stating the lot is located just southeast of the Hyundai of Palatine care dealership at Rand and Lake Cook Road. He stated it is a 3-acre lot that currently consists of a two-story office building and general business occupancy and was annexed from unincorporated Cook County in 2007. Mr. Bradshaw stated when the Patrick Hyundai redevelopment received Planned Development and Subdivision approval in 2012, staff included a condition which required a cross access easement for the subject property to gain access through to Lake Cook Road. He stated subject to the applicable declarations and a maintenance agreement, the proposed car wash will have access through to Lake Cook Road through the now Hyundai of Palatine property to Lake Cook Road. Mr. Bradshaw stated this condition reflected a goal of the Comprehensive Plan (Rand Road Sub Area) to limit the number of curb cuts onto Rand Road and in recognition of IDOT's right-of-way control on Rand Road. He stated the petitioner is requesting a special use to construct and open an automobile laundry facility (Car Wash) which includes demolishing the existing structures and redeveloping with 27 covered vacuums bays and ample car stacking space. He spoke to the narrative and business plan being completely automated. Mr. Bradshaw spoke to the signage allowance of 2 freestanding signs which will require a full permit review. He stated the petitioner has indicated that one of these signs could occupy part of the existing monument sign near the subject property's northern side lot line (sign is also occupied with Starbucks Drive-Thru sign). He noted any reuse of this sign would be subject to a sign easement and maintenance agreement with the property owner to the north and in a manner acceptable to the Village Attorney. Mr. Bradshaw stated Community Services have reviewed noting a cross access maintenance agreement, subject to the declarations for the Patrick Hyundai Subdivision will be required addressing the cross-access drive and freestanding sign maintenance. He stated Engineering and Fire Prevention have reviewed and had no issues.

#### **STAFF RECOMMENDATION:**

The Petitioner is proposing to redevelop the subject property into an automotive laundry facility. The subject property is within the B-5 Highway Business District and is approximately 850 feet from the nearest residential development. Secondary access for this property was contemplated with the redevelopment of the Hyundai property and subsequent Starbucks and Bloc dispensary on Lake Cook Road to provide unified access for these properties. This redevelopment improves the site and the use is compatible with the adjacent auto sales' uses in the area. Additionally, the site complies with the other bulk zoning requirements. Therefore, Staff recommends approval of the Special Use, subject to the following conditions:

1. The Special Use shall substantially conform to the Site Plans, Floor Plans, and Elevations submitted by the Petitioner, Krisch Capital Partners, LLC, except as



such plans may be changed to conform to Village Codes and Ordinances.

2. Any improvements to the existing freestanding sign, located within the US Army Corps. of Engineers "No Build" Limit, shall be submitted in a manner acceptable to the Village Engineer and Director of Planning and Zoning.
3. A license agreement and maintenance agreement addressing the cross-access easement driveway and sign maintenance shall be submitted in a manner acceptable to the Village Attorney.

Chairman Noonan asked the petitioner if they will and can meet staff's conditions. Mr. Jacobs answered, yes.

There were no further questions. The public hearing was closed.

**Chairman Cavanaugh made a motion to approve subject staff's conditions; seconded by Chairman Roth-Wurster**

**DELIBERATIONS:**

Chairman Friedman stated he thinks it is a great fit for the surrounding uses. He spoke to the noise produced by carwashes pointing out they supplied a sound study and the location should not disturb any residents. He stated it seems like the right use for the site.

Chairman Kolososki agreed with Chairman Friedman.

Chairman Roth-Wurster stated she was concerned about water runoff being near a body of water but is reassured knowing the Arm Corps. of Engineers and the EPA is involved. She stated it shouldn't have a negative impact.

Chairman Fedota stated the solutions are plant based so that's positive.

Chairman Roth-Wurster stated staff is onsite, it's not 24 hours and they have addressed lighting.

**Mr. Friedman summarized that this request has met the standards and was unanimously approved by a vote of 7-0. This item will tentatively go to Village Council on June 5, 2023.**

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>RECOMMEND TO APPROVE [UNANIMOUS]</b>                                    |
| <b>MOVER:</b>    | Kevin Cavanaugh, Commissioner                                              |
| <b>SECONDER:</b> | Cindy Roth-Wurster, Commissioner                                           |
| <b>AYES:</b>     | Noonan, Roth-Wurster, Friedman, Bettenhausen, Kolososki, Cavanaugh, Fedota |
| <b>ABSENT:</b>   | Wood, Luszczak                                                             |

# Consider an Ordinance Granting a Special Use to Permit an Addition to Encroach into the Required Side Yard Setback at 225 W. Kenilworth Avenue

## BACKGROUND:

The Petitioner is proposing to construct an addition to the rear of the existing attached garage. The proposed 388 square foot addition maintains the existing 5.3-foot side yard setback for the legally non-conforming residence. Therefore, the Petitioner is requesting approval of the following:

**Special Use to permit an addition to be set back 5 feet, from the side lot line, instead of the minimum required 10 feet.**

## KEY ISSUES:

- The existing primary structure is legal non-conforming for both interior side yard setbacks. Each existing side setback is approximately 5 feet, instead of the minimum required 10 feet. The zoning ordinance amended the required residential setbacks in 2006 to align with the underlying lot width, as opposed to the previous alignment to the date of subdivision platting.
- In 2018, the Petitioner was granted a Special Use to permit an addition to the east side of the house to be set back 5 feet from the side lot line, instead of the minimum required 10 feet (#O-11-18).
- The existing garage is a 1-car garage and, per the submitted application, the Petitioner has 2 cars they wish to be stored in the garage. The addition will result in a tandem, 2-deep garage with room for both personal vehicles, bicycles, and household materials.
- Per the Engineering Department's review, a lot grading plan will be required during the building permit stage.

## ALTERNATIVES:

1. Approve the Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.
2. Do not approve the Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

## RECOMMENDATION:

|                       |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Public Hearing:       | PZC meeting on May 23, 2023.                                                                                                                 |
| Residents testifying: | None.                                                                                                                                        |
| Vote:                 | The PZC voted unanimously to approve a Special Use to permit an addition to encroach into the required side yard setback, and Staff concurs. |

## ACTION REQUIRED:

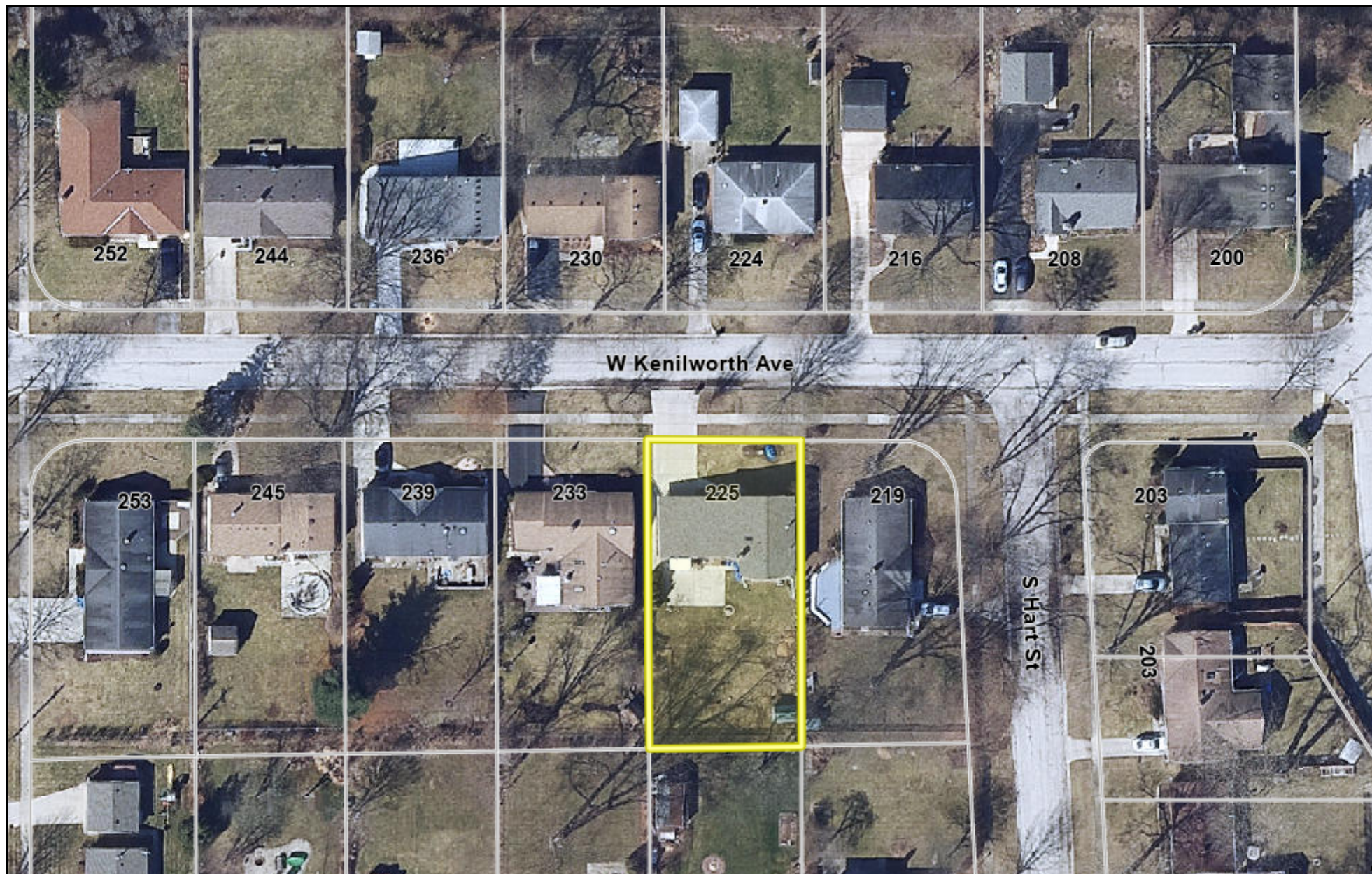
A motion to approve the ordinance granting a Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

## ATTACHMENTS:

- Aerial Map



- SU ORD - 225 W Kenilworth
- EXHIBIT - Site Plan & Elevations
- PZC Materials - May 23, 2023
- Draft PZC Minutes - May 23, 2023



0 100 200  
ft

Print Date: 4/21/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

Attachment: Aerial Map (225 W. Kenilworth Avenue - SU Addition Setback)



ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE GRANTING A SPECIAL USE  
AT 225 W. KENILWORTH AVENUE**

WHEREAS, pursuant to a petition and public hearing on May 23, 2023, of which public notice was given as required by law, the Planning and Zoning Commission of the Village of Palatine, in accordance with the Zoning Ordinance of the Village of Palatine, in such case made and provided, has held such public hearing and reported their findings relative to a request for a Special Use to permit an addition to be setback 5 feet from the side lot line, instead of the required 10 feet pursuant to Section 10.06 (h)(3) of the Palatine Zoning Ordinance, on the following legally described property:

**LOT 5 IN BLOCK 2 IN R. HOUSTON, JR. AND SONS' CLEN-TYAN MANOR BEING A SUBDIVISION OF PART OF THE WEST ½ OF THE NORTHEAST ¼ OF SECTION 22, TOWNSHIP 42 ORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.**

commonly known as 225 W. Kenilworth Avenue (PIN# 02-22-213-024)

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power that:

**SECTION 1:** A Special Use to permit an addition to be setback 5 feet from the side lot lines, instead of the required 10 feet pursuant to Section 10.06 (h)(3) of the Palatine Zoning Ordinance, is hereby granted, subject to the following condition(s):

Attachment: SU ORD - 225 W Kenilworth (225 W. Kenilworth Avenue - SU Addition Setback)

Ordinance No.

Page 2 of 2

1. The Special Use shall substantially conform to the site plan, floor plan, and elevation plan submitted by the Petitioner, Monique DeSalvo, except as such plans may be changed to conform to Village Codes and Ordinances.

**SECTION 2:** That a copy of the public notice is attached hereto and form a part of this ordinance.

**SECTION 3:** That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED: This \_\_\_\_\_ day of \_\_\_\_\_, 2023

AYES:\_\_\_\_\_ NAYS:\_\_\_\_\_ ABSENT:\_\_\_\_\_ PASS:\_\_\_\_\_

APPROVED by me this \_\_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Mayor of the Village of Palatine

ATTESTED and FILED in the office of the Village Clerk this

\_\_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Village Clerk

Attachment: SU ORD - 225 W Kenilworth (225 W. Kenilworth Avenue - SU Addition Setback)



## 6.B.2.c

PALATINE, ILLINOIS 60067

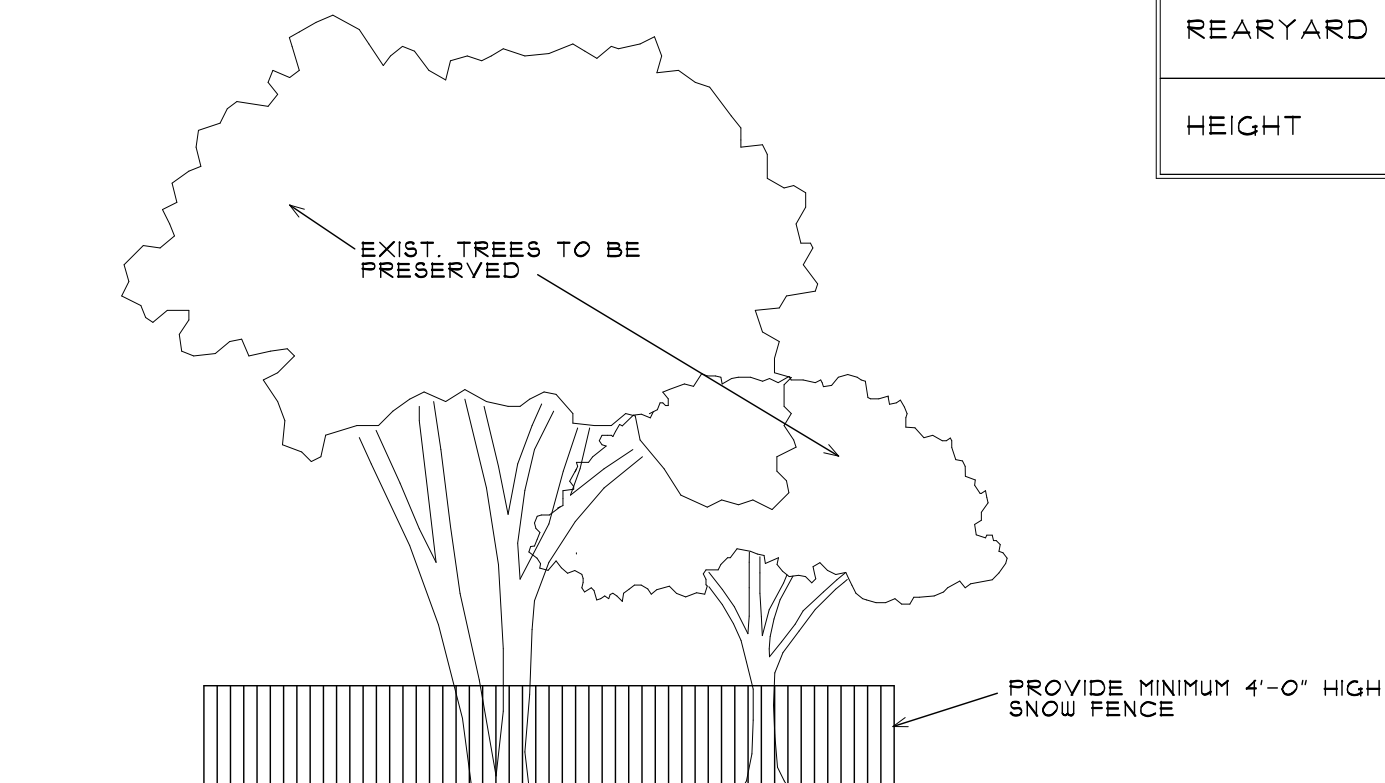
| GROUND<br>SNOW<br>LOAD | WIND DESIGN    |                 |                           |                                    | SEISMIC<br>DESIGN<br>CATEGORY | SUBJECT TO DAMAGE<br>FROM |                        | WATER<br>DESIGN<br>TEMP | ICE<br>BARRELS<br>AND<br>LATENT<br>REQ. | FLOOD<br>HAZARDS | AIR<br>FREEZING<br>INDEX | MEAN<br>ANNUAL<br>TEMP |         |
|------------------------|----------------|-----------------|---------------------------|------------------------------------|-------------------------------|---------------------------|------------------------|-------------------------|-----------------------------------------|------------------|--------------------------|------------------------|---------|
|                        | SPEED<br>(MPH) | TOPO<br>EFFECTS | SPECIAL<br>WIND<br>REGION | WIND-<br>BARRAGE<br>DEBRIS<br>ZONE |                               | UTERHNG                   | PROST<br>LINE<br>DEPTH |                         |                                         |                  |                          |                        | TERREST |
| 25                     | 115            | NO              | NO                        | NO                                 | A                             | severe                    | 42"                    | MOD<br>TO<br>HEAVY      | -4                                      | YES              | SEE<br>BELOW             | 2000                   | 47.4    |

INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION (WITH AMENDMENTS).  
(F)APPENDIX H, PATIO COVERS  
(G)APPENDIX J, EXISTING BUILDINGS AND STRUCTURES  
INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION (WITH ILLINOIS  
AMENDMENTS)  
INTERNATIONAL FIRE CODE, 2015 EDITION  
NATIONAL ELECTRIC CODE, 2011 EDITION  
VILLAGE OF PALATINE CODE OF ORDINANCES

1. CONSTRUCTION DEBRIS AND REFUSE CONTAINMENT SHALL BE REQUIRED FOR ALL JOB SITES. CONTAINMENT SHALL OCCUR ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT. § SHALL BE WITHIN A DUMPSTER, STRUCTURE, OR CONTAINER THAT CAN BE COVERED TO PREVENT WINDBLOWN DEBRIS. ALL SUCH DUMPSTERS, STRUCTURES, OR CONTAINERS SHALL BE COVERED AT ALL TIMES WHEN NO WORK IS BEING PERFORMED ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT.
2. ALL DISTURBED PARKWAY LAWN AREAS WILL BE RESTORED WITH NEW SOD ON 4" OF TOPSOIL. ALL SOD SHALL BE WATERED AS REQ'D TO SUSTAIN GROWTH.
3. ALL PARKWAY TREES SHALL HAVE A SNOW FENCE THAT EXTENDS TO THE DRIP LINE. NO TRAFFIC SHALL GO OVER THE ROOT SYSTEM.
4. SURFACE DRAINAGE TO BE DIVERTED FROM STRUCTURE SO AS NOT TO CREATE A HAZARD ON THIS OR ADJACENT PROPERTY. GRADE FROM FOUNDATION TO DROP MINIMUM OF 1" PER 10'. PROVIDE SWALES OR DRAINS TO ENSURE DRAINAGE FROM STRUCTURE AND ADJACENT PROPERTY.
5. TOILET FACILITIES SHALL BE PROVIDED AT ALL JOB SITES PER ILLINOIS PLUMBING CODE. THIS WILL BE A CONDITION OF THE PERMIT.
6. PROVIDE AND MAINTAIN A 4'-0" HIGH FENCE ALONG THE FULL LENGTH OF INTERIOR SIDE YARDS UNTIL EXTERIOR CONSTRUCTION IS COMPLETE.
7. PROVIDE AND MAINTAIN A 4'-0" HIGH CONSTRUCTION FENCE DURING NON-WORKING HOURS THAT WILL ENCLOSE ALL OPEN EXCAVATIONS UNTIL FOUNDATION IS BACK-FILLED & FIRST FLOOR DECK IS COMPLETED.

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCIES IN FIELD CONDITIONS IS TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING.
2. PLEASE NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS.

SCALE 1" = 10'-0"



ERECT PROTECTIVE SNOWFENCE PRIOR TO ANY CONSTRUCTION ACTIVITY.  
DO NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE PROTECTION  
AREA. REMOVE THE PROTECTIVE SNOW FENCE ONLY AFTER CONSTRUCTION  
IS COMPLETE.

ALL TREES ARE TO BE PROTECTED DURING CONSTRUCTION WITH FENCING.  
FOR EVERY 1" OF TREE DIAMETER, MAINTAIN 1'-0" DISTANCE AWAY FOR FENCING.

| ZONING CALCULATIONS - [R-2] |                         |
|-----------------------------|-------------------------|
| LOCATION                    | REQUIRED AREA [SQ. FT.] |
| LOT                         | 10,153                  |
| MAX BUILDING COVERAGE [35%] | 3,553.55                |
| PROPOSED BUILDING COVERAGE  | 2,119.23                |
| MAXIMUM LOT COVERAGE [45%]  | 4,568.85                |
| PROPOSED LOT COVERAGE       | 3,493.41                |
| LOCATION                    | PROPOSED AREA [SQ. FT.] |
| EXISTING FOOTPRINT          | 1,190.91                |
| PROPOSED 1ST FLOOR          | 388.42                  |
| OTHER LOT COVERAGE SURFACES | 1,304.28                |

| SETBACKS - [R-2]  |                    |                    |
|-------------------|--------------------|--------------------|
| LOCATION          | REQUIRED DIMENSION | PROPOSED DIMENSION |
| FRONTYARD         | 30.00'             | EXIST.             |
| INTERIOR SIDEYARD | 10.00'             | 5.33'              |
| REARYARD          | 40.00'             | 51.50'             |
| HEIGHT            | 30'-0"             | EXIST.             |

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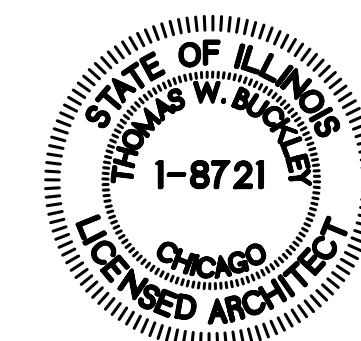
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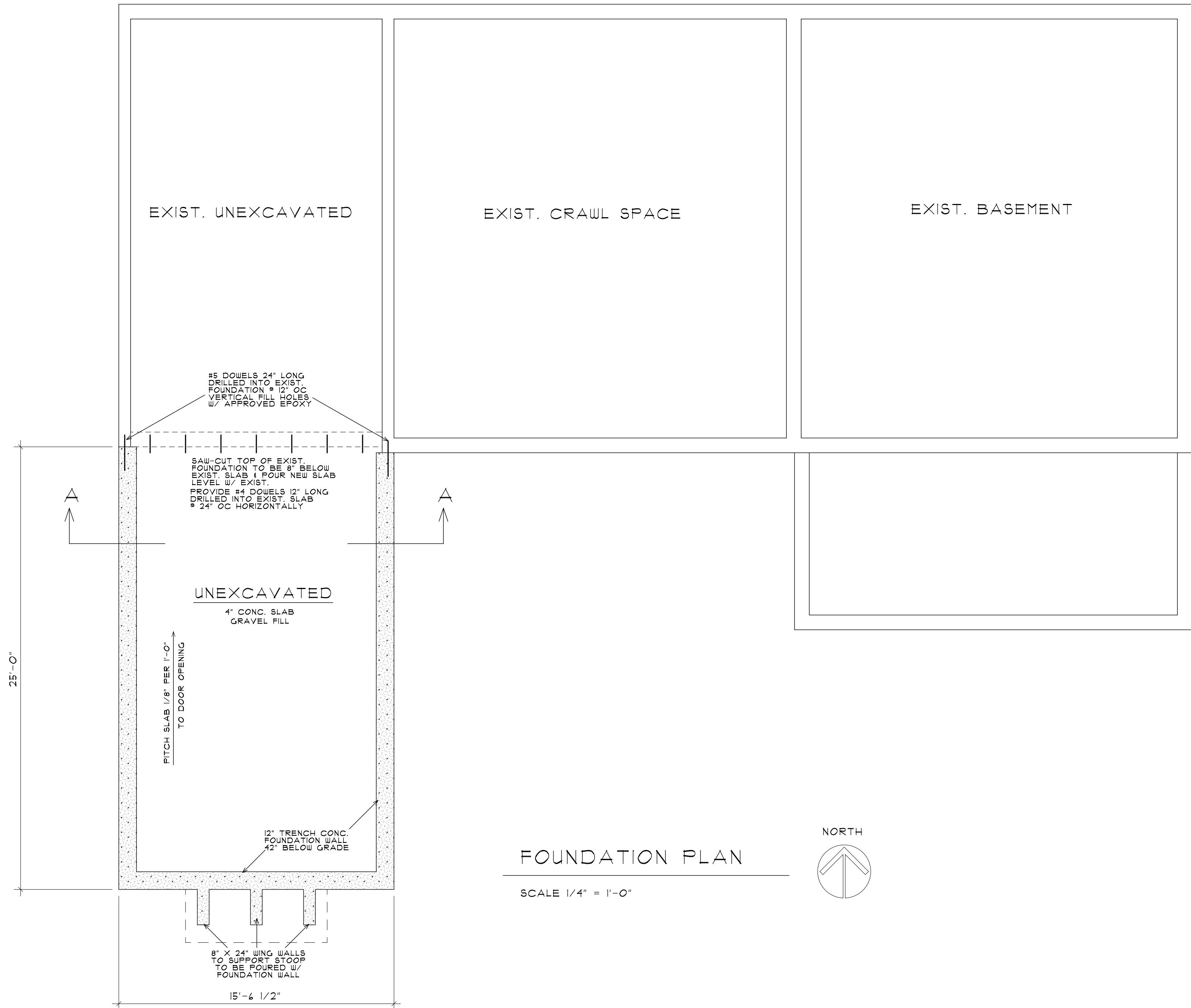
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECTION AND THAT TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.

*Thomas Buckley*  
CERT NO. 001.008721  
EXP. 11-30-24      DATE: 3-14-2023



G-1  
OF FIVE



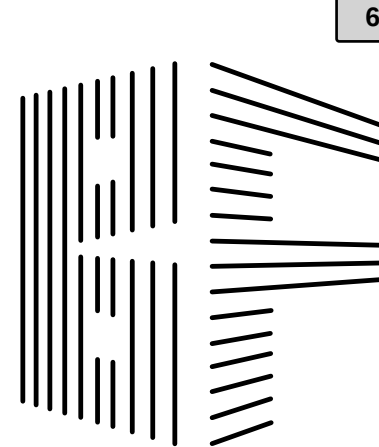


CONCRETE AND EXCAVATION

- FOOTINGS SHALL BEAR ON UNDISTURBED, INORGANIC SOIL WITH MINIMUM BEARING CAPACITY OF 3000 PSF.
- ALL EXCAVATED SOIL SHALL BE REMOVED FROM SITE. FOUNDATION EXCAVATION SHALL BE BACKFILLED WITH CRUSHED CONCRETE AND TOPPED WITH 12 INCHES OF TOPSOIL.
- FOUNDATION CONCRETE TO ACHIEVE COMPRESSIVE STRENGTH OF 3000PSI AT 28 DAYS; MIN. 5 1/2 BAG MIX. SIDEWALKS, PATIOS, 1 STEPS TO BE AIR-ENTRAINED WITH COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, MIN. 6 BAG MIX.
- BACK-FILL SOIL SO THAT GRADE SLOPES AWAY FROM FOUNDATION 4" WITHIN FIRST 10'-0" (MIN).
- EXISTING GROUND ELEVATIONS WILL NOT BE ALTERED ANYWHERE ON THE SITE IN ORDER TO MAINTAIN THE EXISTING DRAINAGE PATTERN AND NOT OBSTRUCT ANY TRIBUTARY DRAINAGE FROM THE SURROUNDING PROPERTIES.
- ALL EXCAVATED SOIL/MATERIALS NOT TO BE USED FOR BACKFILL & TO BE IMMEDIATELY REMOVED FROM SITE. NO ON-SITE STOCKPIILING OF EXCAVATED MATERIALS WILL BE ALLOWED, WITH THE EXCEPTION OF TOPSOIL FOR FINAL GRADING.
- GRAVEL BASE ON CONCRETE SLABS TO HAVE A BASIC COURSE CONSISTING OF CLEAN GRADE SAND, GRAVEL, CRUSHED STONE, OR CRUSHED BLAST-FURNACE SLAG PASSING A 2" SIEVE AND RETAINED ON 1/4" SIEVE SHALL BE PLACED ON THE PREPARED SUBGRADE WHEN THE SLAB IS BELOW GRADE. PEA GRAVEL IS NOT ALLOWED
- PLEASE TAKE CARE WHEN DIGGING FOR THE FOOTINGS. THE USE OF ROCK UNDER FOOTINGS CAN FACILITATE WATER ACCUMULATION UNDER THE FLOOR SLAB/BASEMENT AND CONTRIBUTE TO FLOODING AS THE GROUND WATER LEVEL RISES DURING EXTREMELY WET PERIODS. THEREFORE, CRUSHED ROCK CANNOT BE PERMITTED UNDER FOUNDATIONS UNLESS A SOILS REPORT BY AN ILLINOIS LICENSED SOILS ENGINEER SPECIFICALLY ADDRESSES THE EXISTING AND POTENTIAL HIGH LEVELS OF GROUND WATER TABLE AND ADEQUATE PREVENTIVE MEASURES TO PROTECT THE HOMEOWNER.
- CONTROL JOINTS FOR 4" SLABS SHALL BE AT A MAXIMUM OF 8' INTERVALS
- FIELD VERIFY SAW CUT CONTROL JOINTS ARE INSTALLED WITHIN 24 HOURS OF FINAL FINISHING OF CONC.
- A WRITTEN RECORD PROVIDED FROM THE MATERIAL SUPPLIER SHALL BE PROVIDED TO THE LOCAL AUTHORITY UPON COMPLETION OF DELIVERY OF CONCRETE. THE RECORDS SHALL CONTAIN THE FOLLOWING:
  - TIME THAT WATER WAS INTRODUCED TO THE CONC. MIX
  - TIME AT THE END OF THE CONCRETE POUR
  - CEMENT MIX RATIO
  - AMOUNT OF WATER ADDED ON SITE
  - TOTAL NUMBER OF DRUM REVOLUTIONS
  - AMOUNT OF CHLORIDE ADDED TO THE CEMENT MIX
  - AMOUNT OF ADMIXTURES IN CEMENT MIX
  - AIR CONTENT OF CEMENT MIX
- SLABS-ON-GRADE REQUIRE A MINIMUM OF #10 WELDED WIRE FABRIC LOCATED IN THE UPPER ONE THIRD OF THE THICKNESS
- PORCHES & STEPS EXPOSED TO WEATHER SHALL HAVE CONCRETE W/ A MIN. COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR ENTRAINED NOT LESS THAN 5% OR MORE THAN 1%.

WALL LEGEND - SUB-LEVEL

| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                                                 |
|------------------------------|--------|-------------|--------------|-----------------------------------------------------------------------------|
| EXTERIOR                     | ---    | ---         |              | 12" TRENCH CONC. FOUNDATION WALL W/ 2" RE TOP & BOTTOM MIN. 42" BELOW GRADE |
| EXISTING WALLS TO REMAIN     |        |             |              | EXISTING WALL CONSTRUCTION                                                  |
| EXISTING WALLS TO BE REMOVED |        |             |              | EXISTING WALL CONSTRUCTION                                                  |



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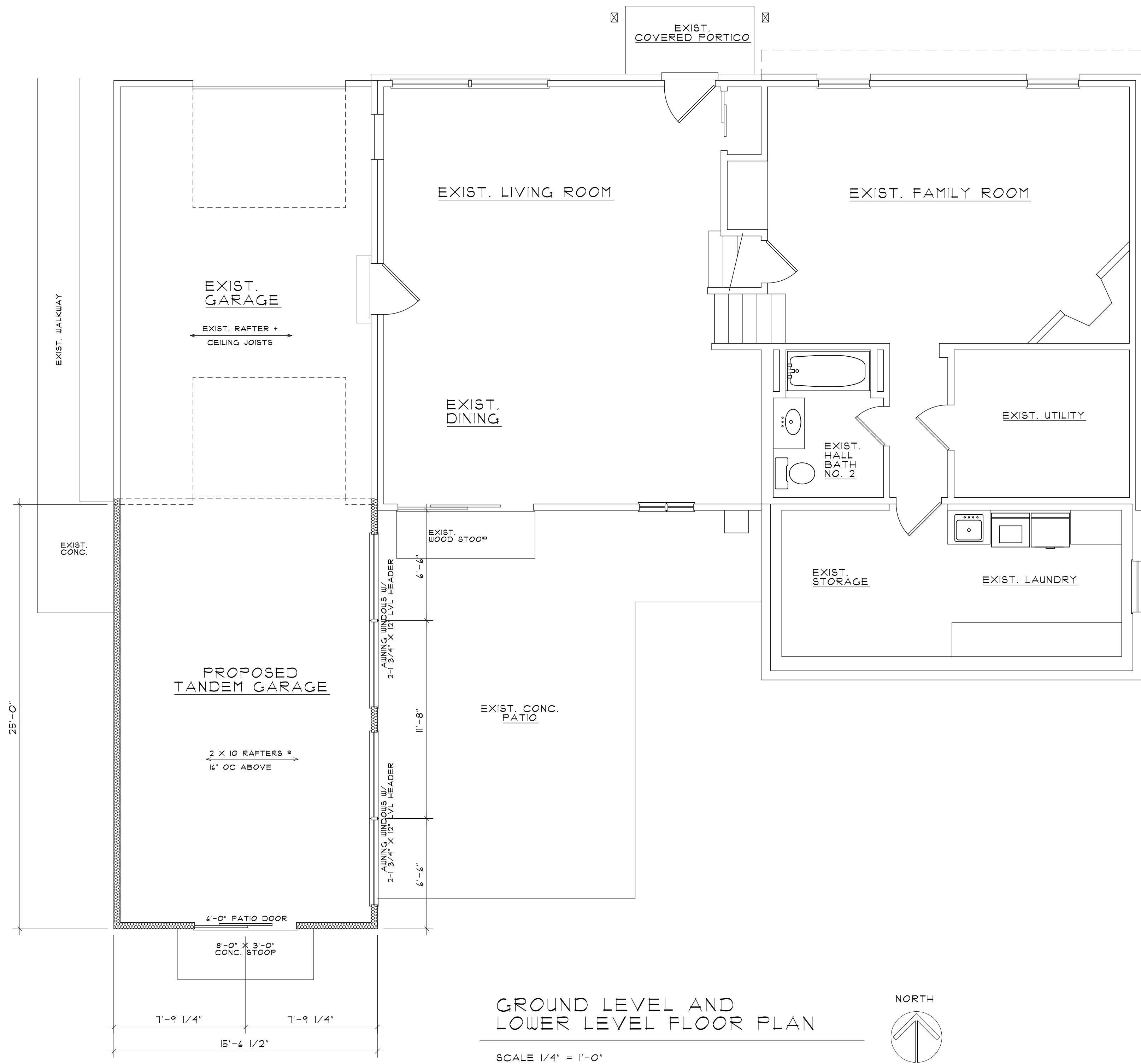
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STATE OF ILLINOIS  
THOMAS W. BUCKLEY  
1-8721  
CHICAGO  
LICENSED ARCHITECT



A-1  
OF FIVE





| WALL LEGEND - GRADE LEVEL    |        |             |              |                                               |
|------------------------------|--------|-------------|--------------|-----------------------------------------------|
| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                   |
| EXTERIOR                     | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL EA FACE |
| EXISTING WALLS TO REMAIN     |        |             |              | EXISTING WALL CONSTRUCTION                    |
| EXISTING WALLS TO BE REMOVED |        |             |              | EXISTING WALL CONSTRUCTION                    |

| DOOR + WINDOW WOOD HEADER SIZES<br>(UNLESS NOTED DIFFERENTLY ON PLANS) |             |         |  |
|------------------------------------------------------------------------|-------------|---------|--|
| SPAN/OPENING                                                           | HEADER SIZE | # JACKS |  |
| LESS THAN 3'                                                           | 2-2X4s      | 2       |  |
| 3' - 3'-8"                                                             | 2-2X8s      | 2       |  |
| 3'-8" - 4'-6"                                                          | 2-2X10s     | 2       |  |
| 4'-6" - 5'-6"                                                          | 2-2X12s     | 2       |  |
| GREATER THAN 5'-6"                                                     | SEE PLAN    | 2       |  |

| WOOD HEADER/BEAM SUPPORT COLUMNS           |                                               |                                               |        |
|--------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------|
| BEAM/HEADER                                | COLUMN<br>(IN 2X4 WALL)                       | COLUMN<br>(IN 2X6 WALL)                       | DETAIL |
| DIMENSIONAL LUMBER (2X12,2X10,2X8,2X4,2X4) | (EA END)<br>(2)2X4 JACK<br>2X4 KING STUD      | (EA END)<br>(2)2X4 JACK<br>2X6 KING STUD      |        |
| 2-1 3/4" LVLs                              | (ONE EA END)<br>4X4 POST<br>2X4 KING STUD     | (ONE EA END)<br>4X4 POST<br>2X6 KING STUD     |        |
| 3-1 3/4" LVLs                              | (ONE EA END)<br>4X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>4X4 PSL POST<br>2X6 KING STUD |        |

ENERGY CONSERVATION NOTE:

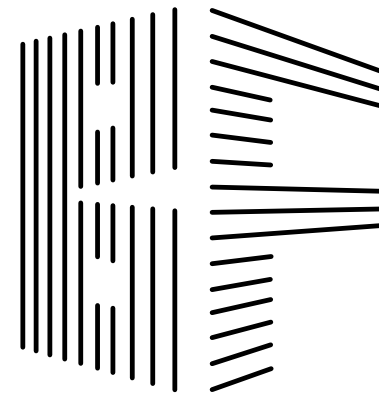
- A PERMANENT CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED. A UTILITY ROOM OR AN APPROVED LOCATION IN THE BUILDING IT SHALL LIST THE R-VALUES OF INSULATION INSTALLED, U-FACTORS OF GLAZING, DUCT TESTING & BLOWER TEST RESULTS. (2018 IECC R401.3)
- PROVIDE FIRE-BLOCKING CONFORMING TO IRC R402.8
- IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY DRAFT STOPPING SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 500 SQ FT OR 25 FT IN ANY HORIZONTAL DIRECTION. DRAFT STOPPING SHALL BE DIVIDED IN EQUAL AREAS.
- FIRESTOPPING TO BE INSTALLED AT ALL PLATE PENETRATIONS, SOFFITS, FURRED SPACES CONCEALED SPACES, ETC. AS PER THE BUILDING CODE.
- FIREBLOCKING SHALL BE IN THE FOLLOWING LOCATIONS:
  - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS:
    - VERTICALLY AT THE CEILING AND FLOOR LEVELS
    - HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
  - AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES FOR SOFFITS, DROP CEILINGS AND COVE CEILINGS, ETC.
  - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT THE CEILING AND FLOOR LEVELS (SECTION: IRC R302.1)

STRUCTURAL

- ALL WALLS WILL BE PROVIDED WITH A DOUBLE TOP PLATE LAPPED AT THE CORNERS.
- CONSTRUCTION LUMBER TO BE SPF CONSTRUCTION GRADE NO. 2  
 $F_b = 1000 \text{ PSI}$  MODULUS OF ELASTICITY 1,100,000
- LUMBER WITH SPANS GREATER THAN 20' TO BE DOUGLAS FIR CONSTRUCTION GRADE NO. 2  
 $F_b = 1200 \text{ PSI}$  MODULUS OF ELASTICITY 1,100,000
- EXTERIOR OR LOAD BEARING WALLS WITH STUDS DRILLED WITHIN 5/8" OF THE FACE OF THE STUD SHALL BE REINFORCED WITH A STRUCTURAL STUD SHOE. (SECTION R402.4)
- ALL INTERIOR WALL FRAMING, UNLESS OTHERWISE NOTED, TO BE 2 x 4 STUDS @ 16" OC W/ 1/2" DRYWALL EACH SIDE.
- EXTERIOR OR LOAD BEARING WALLS WITH PLATES CUT, DRILLED OR NOTCHED MORE THAN 50% OF THE WIDTH OF THE STUD SHALL HAVE A GALVANIZED METAL TIE 1/4 GAGE AND 1 1/2 INCHES (1 1/2") WIDE FASTENED TO EACH PLATE. (SECTION: R402.4.1)
- PROVIDE 2 - 2 X 12 HEADER WITH 1/2" PLYWOOD AND SINGLE CRIPPLE FOR SPANS UP TO 4'. SEE PLAN FOR SPANS GREATER THAN 4'; PROVIDE DOUBLE CRIPPLE FOR SPANS EXCEEDING 4'.
- CUTS, NOTCHES AND HOLES BORED IN TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH ARE SPECIFICALLY ADDRESSED. (SECTION: R502.8.2)
- ALL RAFTER TIES SHALL BE PROVIDED IN ACCORDANCE WITH IRC R802.1.1. RESULTING UPLIFT FORCES FROM THE TIES SHALL BE TRANSMITTED TO THE FOUNDATION.
- RIDGE BOARD SHALL BE AT LEAST TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. VALLEY & HIP RAFTERS SHALL NOT BE LESS THAN TWO-INCH (2") NOMINAL THICKNESS + NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTERS.

THERMAL AND MOISTURE PROTECTION

- ROOFING:
- SHINGLES SHALL COMPLY W/ASTM D225 OR D3462. PROVIDE NO LESS THAN 4 NON-CORROSIVE FASTENERS PER STRIP. BASE FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK OR MINERAL SURFACE ROLL 11#/100 SF. CAP FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK. OPEN VALLEYS TO BE LINED W/ METAL 24" (MIN.) WIDE OR 2 PILES OF MINERAL SURFACE ROLL 36" (MIN.) WIDE. CLOSE VALLEY THE SAME AS OPEN VALLEY OR ONE PLY MIN. 36" WIDE.
  - ICE AND WATER SHIELD IS REQUIRED IN ALL VALLEYS (UP 18" ON EACH SIDE) AND ON EAVES, A MINIMUM OF 2'-0" BEYOND THE INTERIOR WALL LINE.
  - FENESTRATION SHALL BE LISTED AND LABELED BY THE MANUFACTURER. THE MAX AIR INFILTRATION OF WINDOWS, SKYLIGHTS, AND SLIDING GLASS DOORS IS 0.3 CFM PER SQ FT. MAX AIR INFILTRATION OF SWINGING DOORS IS 0.5 CFM PER SQ FT.
  - GLAZING: MAXIMUM ALLOWED GLAZING U FACTOR IS .30 (BTU/HR\*FT2\*F) GLAZING U-FACTOR SHALL BE SHOWN ON THE WINDOW LABEL DURING INSPECTION
  - THE VAPOR BARRIER SHALL BE LAPPED 12 INCHES AND THE SEAMS SEALED WITH COMPATIBLE GLUES.



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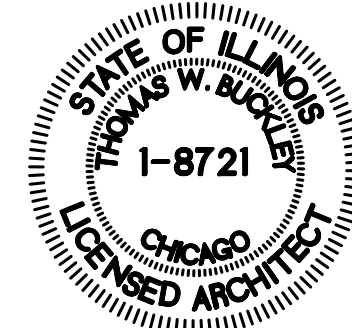
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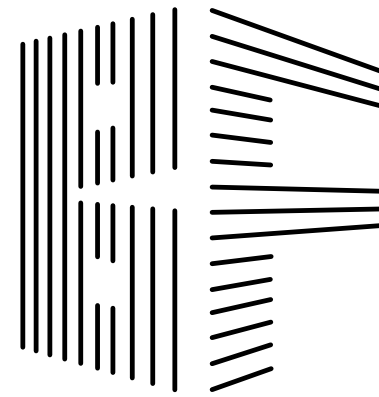
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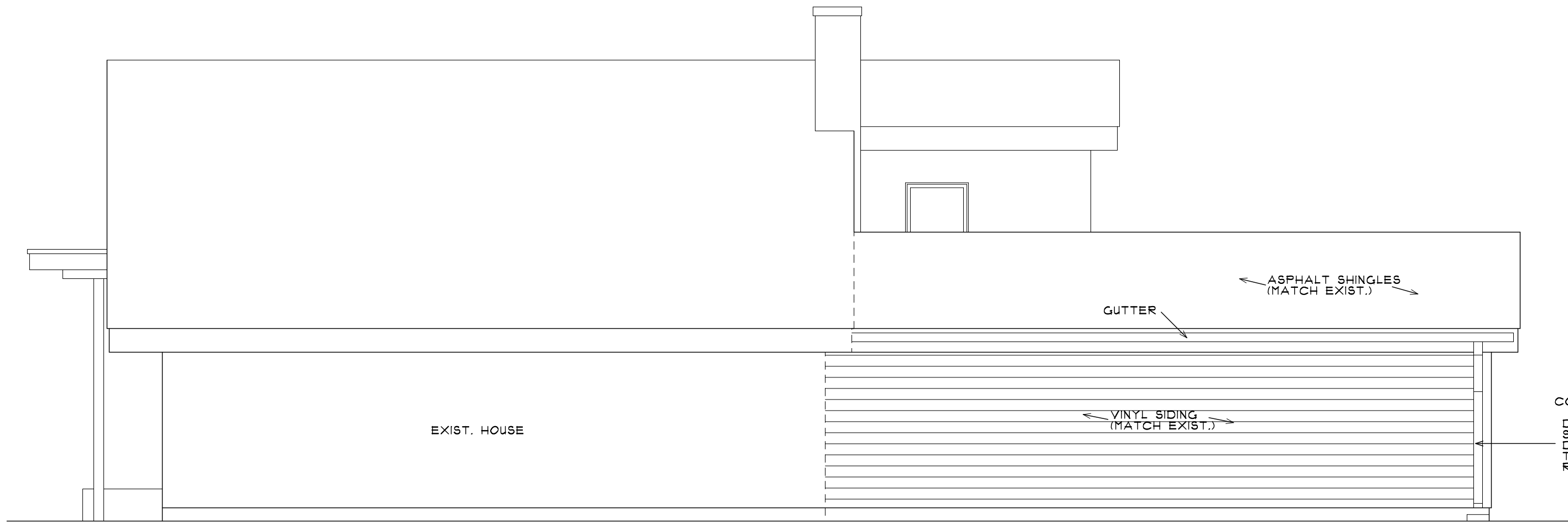
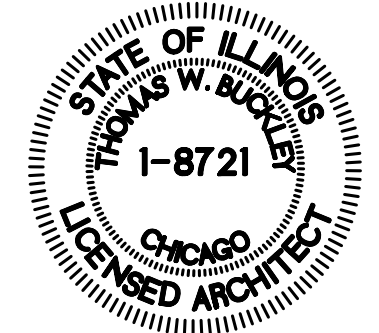
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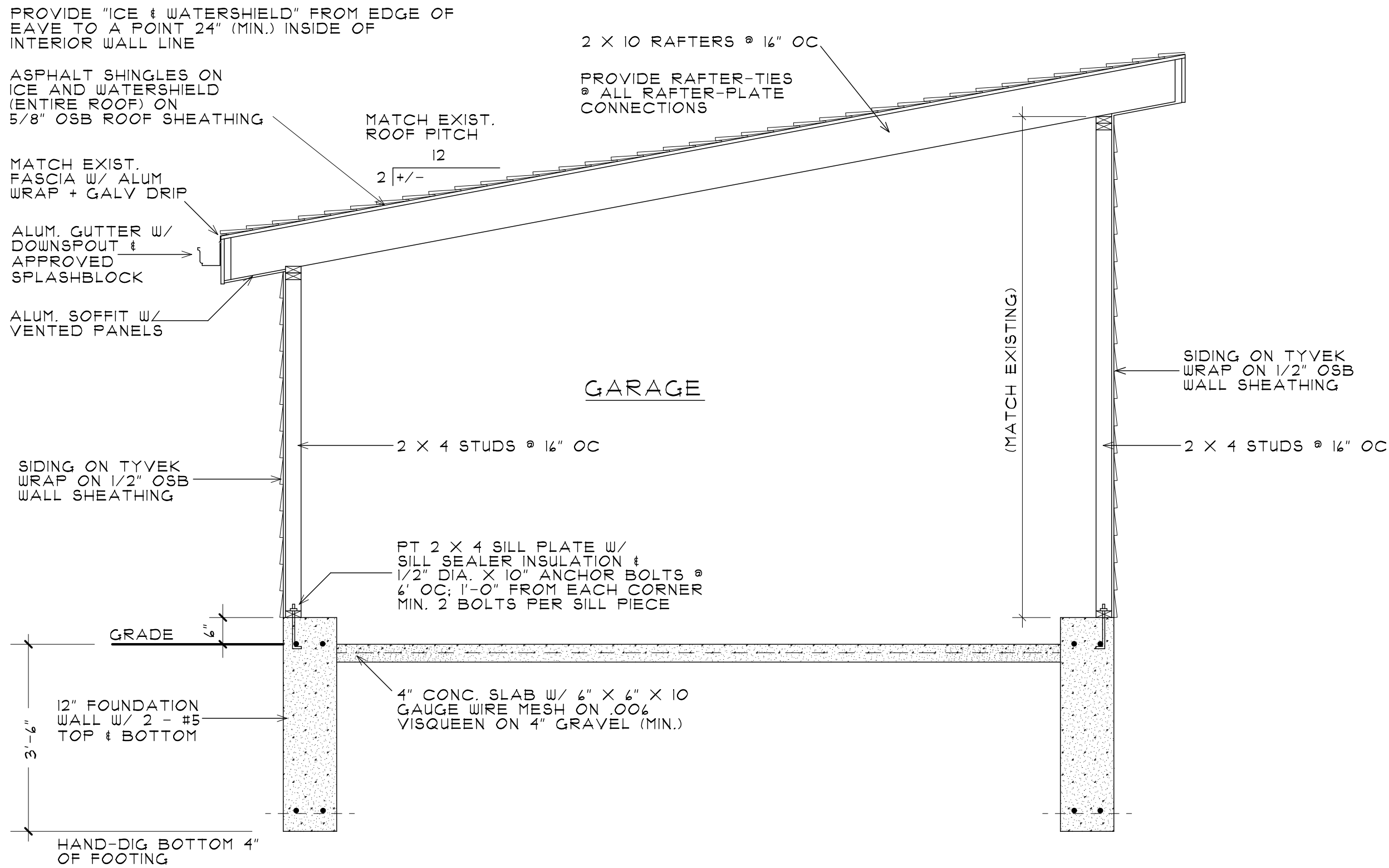
WEST ELEVATION

SCALE 1/4" = 1'-0"



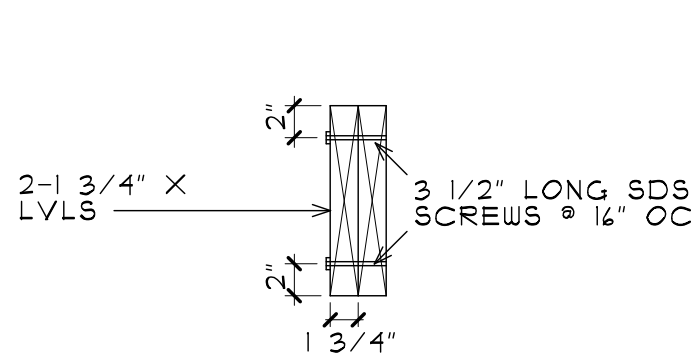
SOUTH ELEVATION

SCALE 1/4" = 1'-0"



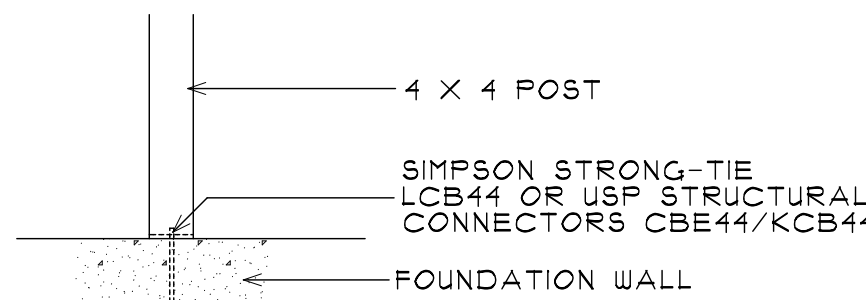
BUILDING SECTION A-A

SCALE 1/2" = 1'-0"



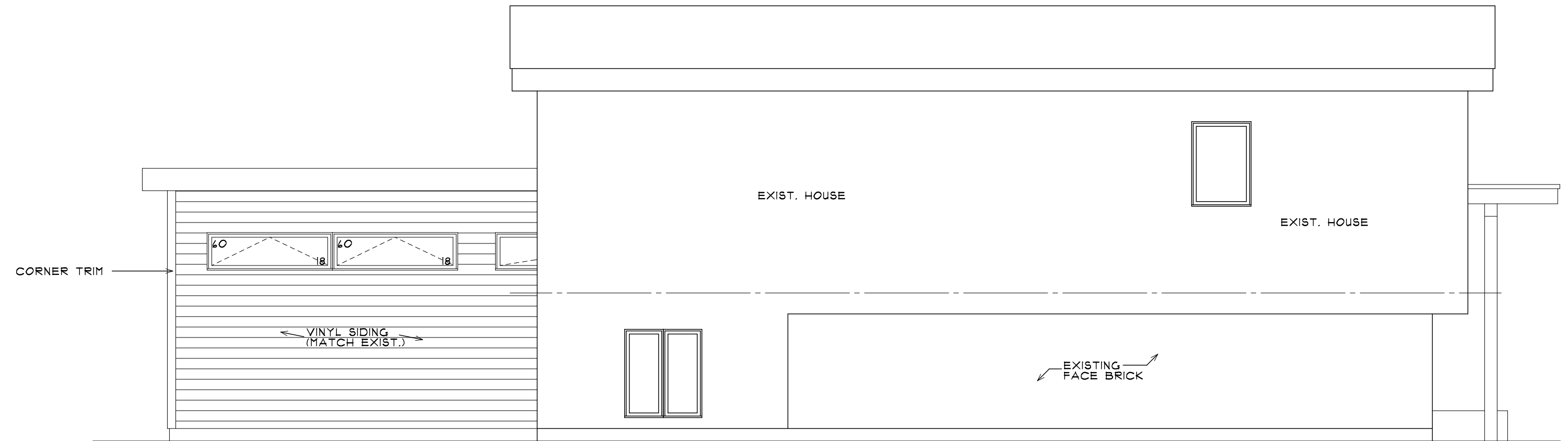
2-PLY LVL FASTENING DETAIL

SCALE: 1" = 1'-0"



COLUMN BASE DETAIL

SCALE 1/2" = 1'-0"



EAST ELEVATION

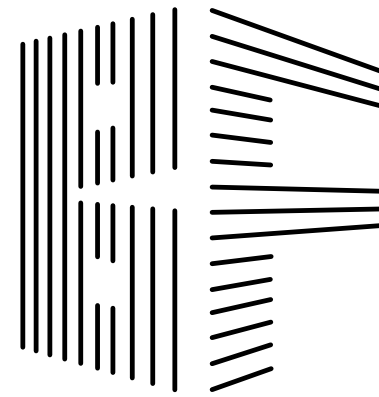
SCALE 1/4" = 1'-0"

| ELEVATION MATERIALS             |       |                                                   |        |
|---------------------------------|-------|---------------------------------------------------|--------|
| LOCATION                        | HATCH | DESCRIPTION                                       | MANUF. |
| SIDING                          |       | HORIZONTAL VINYL SIDING (COLOR TO MATCH EXISTING) |        |
| ROOFING                         |       | ASPHALT SHINGLES (COLOR TO MATCH EXISTING)        |        |
| SOFFIT, FASCIA GUTTER, D/S TRIM |       | MATCH EXISTING                                    |        |

ELEVATION NOTES:

1. WINDOW SIZES BASED ON FRAME SIZES; ROUGH OPENINGS TO BE VERIFIED W/ CHOSEN WINDOW MANUF. & CONTRACTOR PRIOR TO CONSTRUCTION
2. FRAME SIZES TO BE FOLLOWED AS CLOSE AS POSSIBLE PER DIFFERENT MANUF.
3. ALL NEW WINDOWS TO HAVE A MAX. U-FACTOR OF 0.30
4. WINDOWS IN WHICH THE BOTTOM EDGE OF THE WINDOW IS LESS THAN 18" ABOVE THE TOP OF THE FLOOR ARE REQUIRED TO BE TEMPERED.





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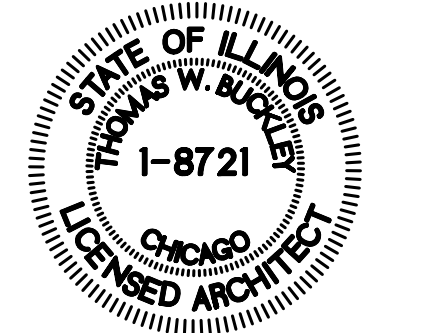
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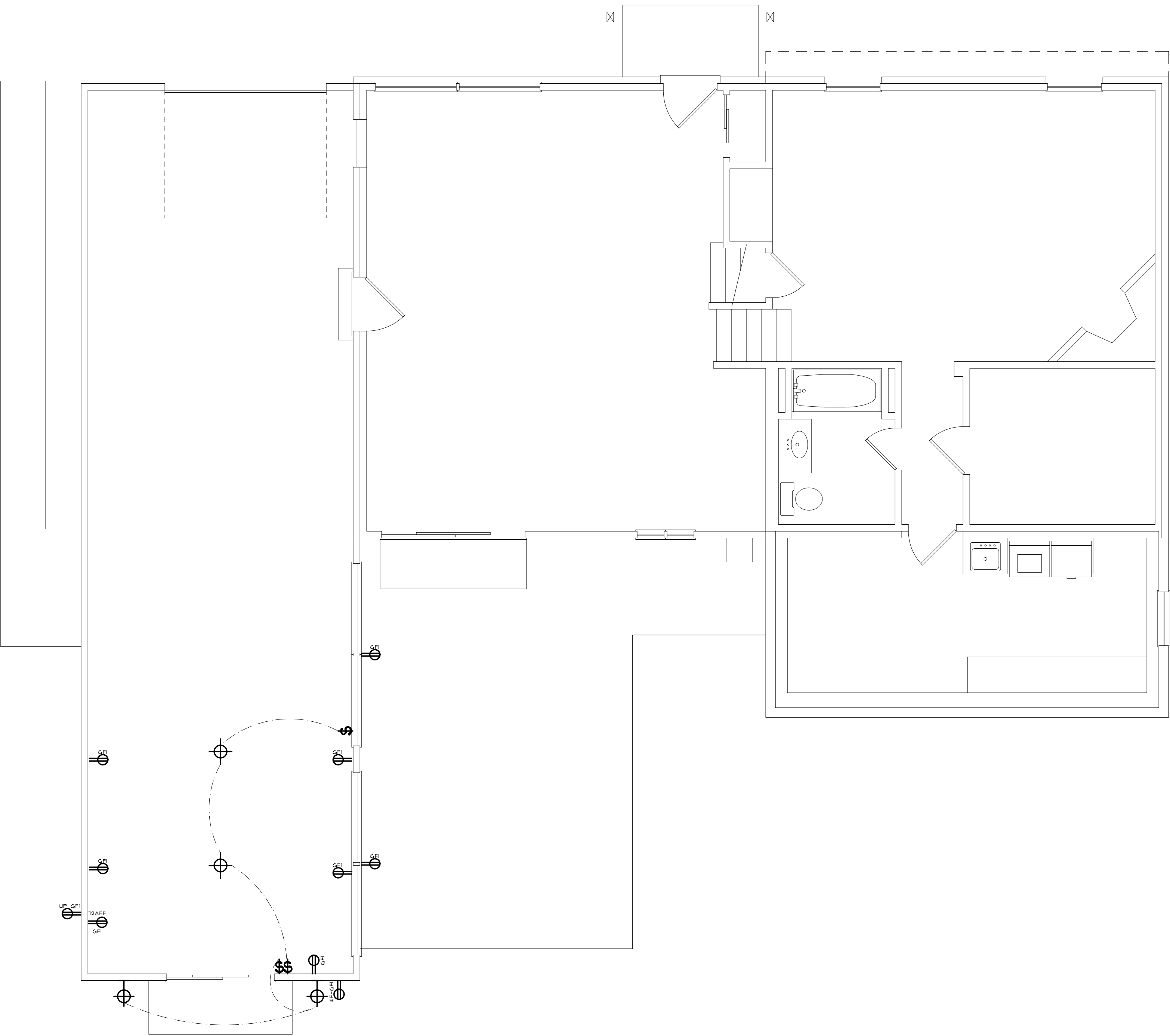
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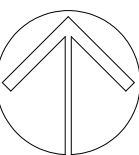
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GROUND LEVEL AND  
LOWER LEVEL ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

NORTH



ELECTRICAL

1. ALL WIRING 25 VOLTS OR GREATER TO BE IN ELECTRIC METALLIC TUBING. PVC IS NOT PERMITTED.
2. A MIN. OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.
3. GARAGES ARE TO BE ON A SEPARATE 20 AMP CIRCUIT.
4. RECEPTACLE RATING FOR A 20 AMP CIRCUIT SHALL BE 20 AMPS.
5. EACH GENERAL LIGHTING CIRCUIT SHALL NOT HAVE MORE THAN 10 POWER CONSUMING DEVICES CONNECTED TO IT + THE CIRCUIT BREAKER SHALL NOT EXCEED 15 AMPS.
6. PROVIDE A NEUTRAL WIRE AT EACH SWITCH BOX LOCATION.
7. 14AWG CU CONDUCTORS CANNOT BE USED FOR A BRANCH CIRCUIT LARGER THAN 15A.
8. ELECTRICAL RECEPTACLES ARE REQUIRED TO BE SELF-GROUNDING.
9. ALL ELECTRICAL CONDUCTORS ARE TO BE SOLID OR STRANDED COPPER IN ELECTRICAL METALLIC TUBING.
10. CEILING MOUNTED ELECTRICAL OUTLETS INSTALLED IN THE GARAGE SHALL BE GFCI PROTECTED.
11. SURFACE MOUNTED INCANDESCENT FIXTURES INSTALLED NO CLOSER THAN 12" TO THE NEAREST STORAGE SPACE. SURFACE MOUNTED FLUORESCENT FIXTURES INSTALLED NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE. RECESSED INCANDESCENT AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE.
12. ALL RECEPTACLES REQUIRE A PIGTAIL GROUNDING WIRE TO THE BOX.
13. ALL NEW 125 VOLT, 15- AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
14. PROVIDE A GROUND WIRE IN ALL RACEWAYS.

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION                                                       |
|--------|-------------------------------------------------------------------|
|        | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                      |
|        | RECESSED LIGHT FIXTURE (IC-RATED WHERE NECESSARY)                 |
|        | WALL-MOUNTED LIGHT FIXTURE                                        |
|        | SWITCH                                                            |
|        | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                |
|        | DUPLEX RECEPTACLE WEATHERPROOF + GROUND-FAULT CIRCUIT INTERRUPTED |

**VILLAGE OF PALATINE**  
**Planning and Zoning Commission**

**SCHEDULED 05/23/23 07:00 PM**

**STAFF REPORT (ID # 8376)**

## 225 W. Kenilworth Avenue

**TO:** Palatine Planning and Zoning Commission  
Jan Wood, Chair

**FROM:** Alex Bradshaw

**PETITIONER:** Monique DeSalvo

**PLAN NUMBER:** SU-000033-2023

**ADDRESS:** 225 W. Kenilworth Avenue

**PROPOSAL:**

Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

|                                                                           |                                                             |
|---------------------------------------------------------------------------|-------------------------------------------------------------|
| <b><u>LOCATION:</u></b> 225 W. Kenilworth Avenue<br>District 2 (Lamerand) | <b><u>CURRENT ZONING:</u></b> R-2 Single-Family Residential |
|---------------------------------------------------------------------------|-------------------------------------------------------------|

**SURROUNDING CONDITIONS:**

|               |                               |
|---------------|-------------------------------|
| <b>North:</b> | R-2 Single-Family Residential |
| <b>South:</b> | R-2 Single-Family Residential |
| <b>East:</b>  | R-2 Single-Family Residential |
| <b>West:</b>  | R-2 Single-Family Residential |

**BACKGROUND:**

The Petitioner is proposing to construct an addition to the rear of the existing attached garage. The proposed 388 square foot addition will maintain the existing 5.3-foot side yard setback for the legally non-conforming residence. Therefore, the Petitioner is requesting:

**Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.**

**SITE ANALYSIS:**

- The Subject Property is zoned R-2 Single Family and is part of the R. Houston, Jr. & Sons Glen-Tyan Manor subdivision.
- The Subject Property is approximately 10,164 square feet. The lot consists of a one-story home with a 2-car garage. The existing primary structure is legal non-conforming for both of the interior side yard required setbacks. Each existing side



setback is approximately 5 feet, instead of the minimum required 10 feet. The zoning ordinance amended the required residential setbacks in 2006 to align with the underlying lot width, as opposed to the previous attribution to the date of subdivision platting.

- In 2018, the Petitioner was granted a Special Use to permit an addition to the east side of the house to be set back 5 feet from the side lot line, instead of the minimum required 10 feet (O-11-18).
- The Petitioner is requesting a Special Use to permit the construction of an addition to expand their attached garage. The proposed 388 square foot addition will maintain the existing side yard setback on 5.33 feet.
- The existing garage is a 1-car garage and, per the submitted application, the Petitioner has 2 cars they wish to be stored in the garage. The addition will result in a tandem, 2-deep, garage with room for both personal vehicles, bicycles, and household materials.
- The home directly across at street to the south, 224 W. Kenilworth Ave, was granted a similar Special Use for a side yard setback reduction to permit a home addition in June 2022 (O-51-22).
- Both building and lot coverage are within the maximum allowed by Code.

#### **DEPARTMENTAL REVIEWS:**

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| <b>Community Services</b>   | No Issues Identified.                                                 |
| <b>Engineering</b>          | A lot grading plan will be required during the building permit stage. |
| <b>Environmental Health</b> | N/A                                                                   |
| <b>Fire Prevention</b>      | N/A                                                                   |
| <b>Public Works</b>         | N/A                                                                   |
| <b>Police</b>               | N/A                                                                   |

**STANDARDS FOR SPECIAL USE:** Since this Petition is not for a use publicly operated or traditionally affected with the public interest, those standards under Section 14.05 D (2) and (3) are applicable. Specifically, the Petitioners must show that the Special Use, if granted, is so designed, located, and proposed to be operated that the public health, safety, and welfare will be protected and will not cause substantial injury to the value of other property in the neighborhood in which it is located. The Petitioners have attempted to address the required standards.

#### **STAFF RECOMMENDATION:**

The Petitioner is proposing to construct an addition to the existing attached garage. The addition will maintain the current 5.3-foot setback from the side property line. As the

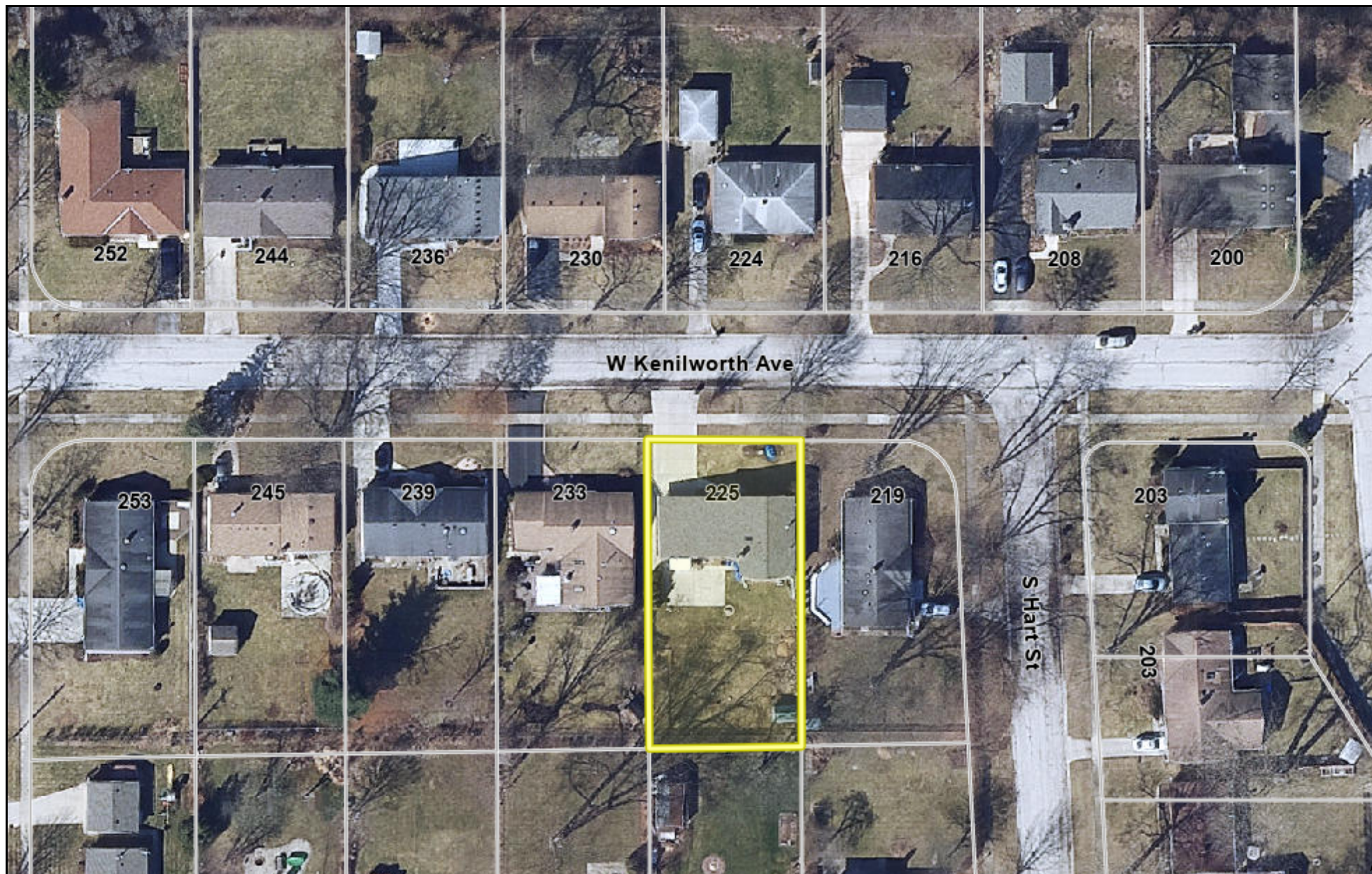
addition will not cause the residence to encroach any further into the required side yard setback, the total lot coverage and building coverage are significantly under the maximum permitted by Code. The proposal should not cause substantial injury to the value of the surrounding properties in the neighborhood. Therefore, Staff recommends approval of the Special Use, subject to the following condition:

1. The Special Use shall substantially conform to the Site Plan, Floor Plan, and Elevations submitted by the Petitioner, Monique DeSalvo, except as such plans may be changed to conform to the Village Codes and Ordinances.

**ATTACHMENTS:**

- Aerial Map
- Special Use Application
- Plat of Survey
- Garage Expansion Plans & Elevations
- O-011-18 - 225 W. Kenilworth Ave. SU
- Public Notice





0 100 200  
ft

Print Date: 4/21/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.





## SPECIAL USE APPLICATION

### Department of Planning & Zoning

200 E. Wood Street • Palatine, IL • 60067-5339  
Telephone: (847) 359-9047 • Fax (847) 963-6247

Petitioner Name

Monique DeSalvo

Business Name (if applicable)

Subject Property Address

225 W. Kenilworth Avenue

Please provide a description of your proposed request:

We want to extend our garage so we can park 2 cars, store bicycles, lawn equipment, etc. Our lot is 71" and our garage is 5 feet from the lot line, so we need a special use permit in order to continue the garage/house line to the rear of the existing 1 car garage. Our garage is an attached garage.

### Petitioner Justification

Special Uses shall not be granted except on findings based upon the evidence in each specific case. Please address the following standards as these will be used in considering the specific relief you are seeking.

That use deemed necessary for the public convenience at that location. Explain:

Currently, we can only park 1 car in our garage. Since we are a 2-car household, this means 1 car will be outside, exposed to all weather conditions and any vandalism or theft that may arise because that vehicle would be at the front of our property - and an easy target. When the project is completed, both cars will be in the garage, keeping off snow, rain and hot weather.

The use is designed, located, and proposed to be operated that the public health, safety, welfare will be protected. Explain:

The garage will keep the home owner's property secured.

The use will not cause substantial injury to nearby property values. Explain:

The Garage extension will follow the current roof height and line of the existing house. This addition will not be noticeable when viewed from the street. Our addition will closely match the footprint of the property directly to the west - and will provide more privacy in both backyards. It isn't a large addition and would not be intrusive to any of the surrounding properties.

Attachment: PZC Materials - May 23, 2023 (225 W. Kenilworth Avenue - SU Addition Setback)



In order to supplement the above standards, the Zoning Board of may also consider the following:

With respect to front yard fencing and fencing in a rear yard/side yard abutting a street, the following additional standards must be met:

a. Will meet the following aesthetic criteria:

- i. Will not destroy existing vistas in the area;
- ii. Will enhance the appearance of the homes and the streets in the area; and
- iii. Will not detract from the overall appearance of the community; or

b. The fencing is found to be necessary to protect private property or the safety of the inhabitants of the property.

|  |
|--|
|  |
|--|

| LEGEND |                      |
|--------|----------------------|
| N.     | = North              |
| S.     | = South              |
| E.     | = East               |
| W.     | = West               |
| N.W.   | = Northwest          |
| N.E.   | = Northeast          |
| S.E.   | = Southeast          |
| S.W.   | = Southwest          |
| P.O.B. | = Point of Beginning |
| SQ.FT. | = Square Feet        |
| R.O.W. | = Right of Way       |
| Doc.   | = Document           |
| Rec.   | = Recorded as        |
| Meas.  | = Measured           |
| T.F.   | = Top of Foundation  |
| MIN.   | = Minimum            |
| MAX.   | = Maximum            |

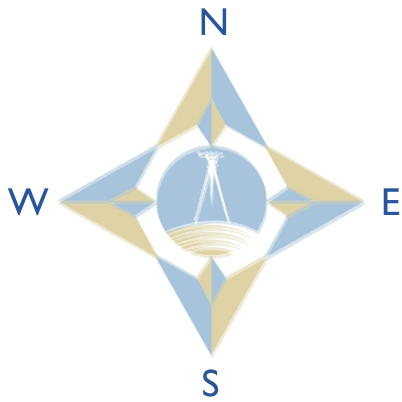
R.E. DECKER  
(1933-1999)

R.G. PAVLETIC  
P.L.S. 035-3261

# Plat of Survey

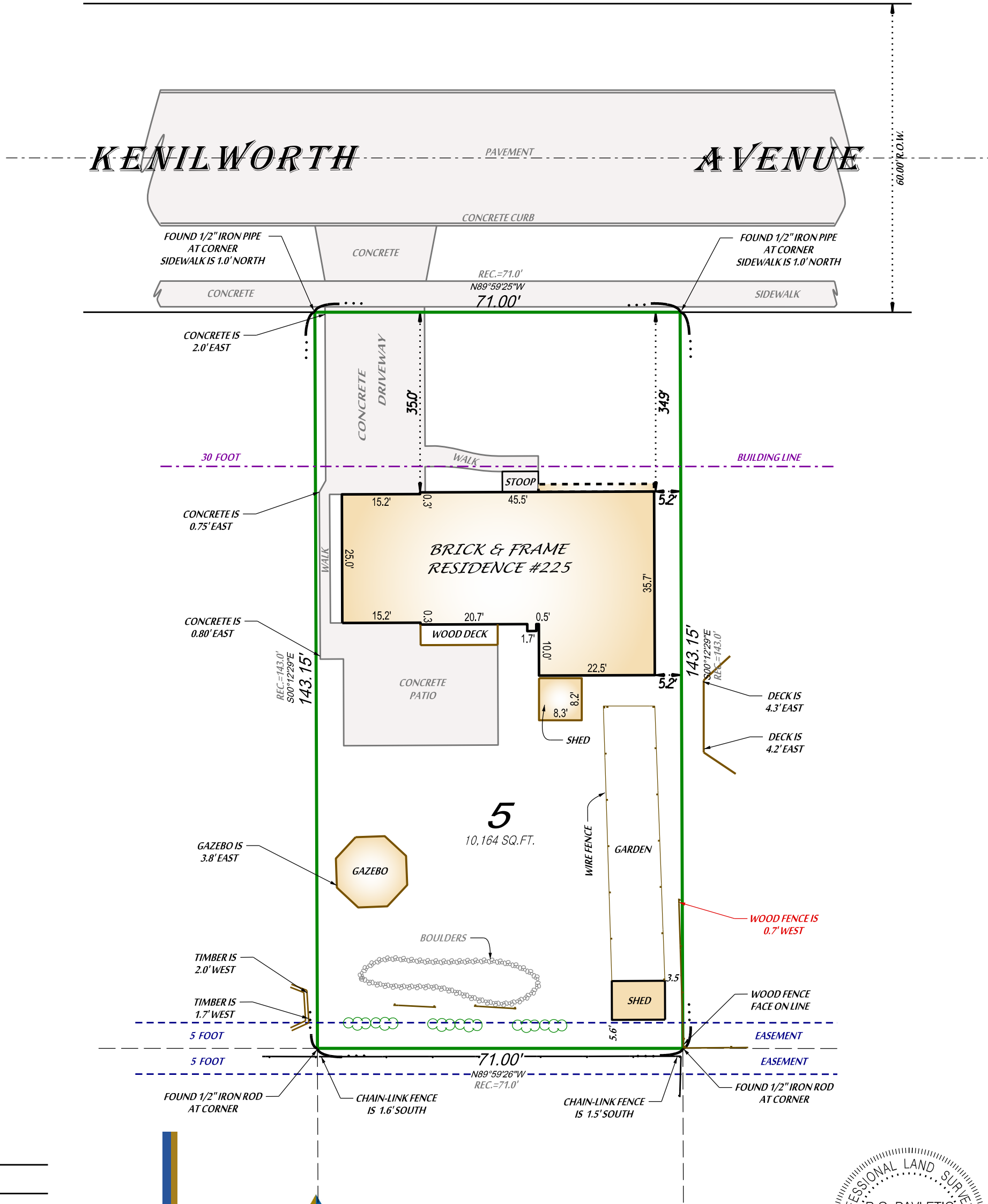
Lot 5 in Block 2 in R. Houston, Jr. & Sons Glen-Tyan Manor, being a Subdivision of part of the West Half of the Northeast Quarter of Section 22, Township 42 North, Range 10, East of the Third Principal Meridian, in Cook County, Illinois.

Commonly known as: **225 W. KENILWORTH AVENUE, PALATINE, ILLINOIS.**



The Meridian is assumed but reflects the record Subdivision or Deed, except when noted.

Scale 1"=20 ft



ORDER NUMBER 23-184  
ORDERED BY: MONIQUE DESALVO  
FOR: \_\_\_\_\_  
REVISIONS: \_\_\_\_\_

THE RAISED SEAL INDICATES  
THIS IS AN ORIGINAL PRINT



**R E DECKER**  
PROFESSIONAL LAND SURVEYORS PC  
333 W. PETERSON RD SUITE B  
LIBERTYVILLE, IL 60048  
TEL. 847-362-0091  
DeckerSurvey@gmail.com  
Website: DeckerSurvey.com



Field Work Completed on: 4-12-23

STATE OF ILLINOIS } ss  
COUNTY OF LAKE }  
This Professional service conforms to the current Illinois minimum standards for a "Boundary Survey."

R. E. DECKER, P.C.

By: [Signature] 4-17-23  
Professional Land Surveyor

Compare the Description on this Plat with your Deed and Title; also compare all stakes to this Plat before building by them, and report any differences at once. Dimensions are shown in feet and decimal parts thereof. Refer to Title, Covenants or Building Department for additional Easements, Setbacks or Restrictions which may exist.



# DESALVO RESIDENCE

225 W. KENILWORTH AVENUE

PALATINE, ILLINOIS 60067

## DESIGN CRITERIA

|                                                                                                                 |                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| FLOOR                                                                                                           |                                                                                                                       |
| SLEEPING ROOMS                                                                                                  | 30# LL - 10# DL                                                                                                       |
| OTHER ROOMS                                                                                                     | 40# LL - 10# DL                                                                                                       |
| VEH. GARAGES                                                                                                    | 50# LL - 10# DL                                                                                                       |
| WALL                                                                                                            | 40# PLF OR ACTUAL LOAD<br>20 PSF WIND 0'-20' HEIGHT<br>25 PSF WIND 21'-29' HEIGHT<br>30 PSF WIND 30' HEIGHT AND ABOVE |
| CEILING                                                                                                         |                                                                                                                       |
| UNHAB W/O STOR                                                                                                  | 10# LL - 10# DL                                                                                                       |
| UNHAB LIM STOR                                                                                                  | 20# LL - 10# DL                                                                                                       |
| HAB W/ FX STAIR                                                                                                 | 30# LL - 10# DL                                                                                                       |
| WIND SPEED                                                                                                      | 115 MPH 3 SECOND GUST & 89 MPH NOMINAL                                                                                |
| ROOF                                                                                                            | 25# LL (SNOW) - 10# DL (ALL SLOPES)                                                                                   |
| CATHEDRAL                                                                                                       | 30# LL - 15# DL (ALL SLOPES)                                                                                          |
| EXT. DECK                                                                                                       | 40# LL - 10# DL                                                                                                       |
| EXT. BALCONY                                                                                                    | 40# LL - 10# DL                                                                                                       |
| STAIRS                                                                                                          | 40# LL + 300# CONCENTRATED LOAD                                                                                       |
| GUARDHANDRAILS                                                                                                  | 200# LL AT ANY DIRECTION APPLIED AT THE TOP                                                                           |
| FROST DEPTH                                                                                                     | 42" (3'-6")                                                                                                           |
| STRUCTURAL FRAMING LUMBER                                                                                       |                                                                                                                       |
| BASE VALUE (USE NO MULTIPLIERS AGAINST BASE VALUE)                                                              |                                                                                                                       |
| GRADE # 2 SPECIES SPF DOMESTIC OR CANADIAN BASE Fb 1000                                                         |                                                                                                                       |
| SPECIFY MANUFACTURER AND NAME OF SPECIFIC BEAM PRODUCT WITH THE CURRENT SIZE, Fb, AND E VALUES PER MANUFACTURER |                                                                                                                       |
| MANUFACTURER TRUS-JOIST PRODUCT LVL HEADERS & BEAMS MICRO-LAM                                                   |                                                                                                                       |

TABLE R301(2)(I)  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

| GROUND<br>SNOW<br>LOAD | WIND DESIGN    |                 |                           |                                  | SEISMIC<br>DESIGN<br>CATEGORY | SUBJECT TO DAMAGE |                        |                    | ICE<br>BARRIER<br>LAYMENT<br>REQ. | FLOOD<br>HAZARDS | AIR<br>FREEZ<br>INDEX | MEAN<br>ANNUAL<br>TEMP |      |
|------------------------|----------------|-----------------|---------------------------|----------------------------------|-------------------------------|-------------------|------------------------|--------------------|-----------------------------------|------------------|-----------------------|------------------------|------|
|                        | SPEED<br>(MPH) | TOPG<br>EFFECTS | SPECIAL<br>WIND<br>REGION | WIND-<br>BORNE<br>DEBRIS<br>ZONE |                               | ETHRING           | FROST<br>LINE<br>DEPTH | TERMITES           |                                   |                  |                       |                        |      |
| 25                     | 115            | NO              | NO                        | NO                               | A                             | severe            | 42"                    | MOD<br>TO<br>HEAVY | -4                                | YES              | SEE<br>BELOW          | 2000                   | 47.4 |

DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE W/ THE VILLAGE OF PALATINE AND AMENDMENTS AS LISTED BELOW.

INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION (WITH AMENDMENTS).

(F)APPENDIX H, PATIO COVERS

(G)APPENDIX J, EXISTING BUILDINGS AND STRUCTURES

INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION (WITH ILLINOIS AMENDMENTS)

INTERNATIONAL FIRE CODE, 2015 EDITION

NATIONAL ELECTRIC CODE, 2011 EDITION

VILLAGE OF PALATINE CODE OF ORDINANCES

### SITE NOTES:

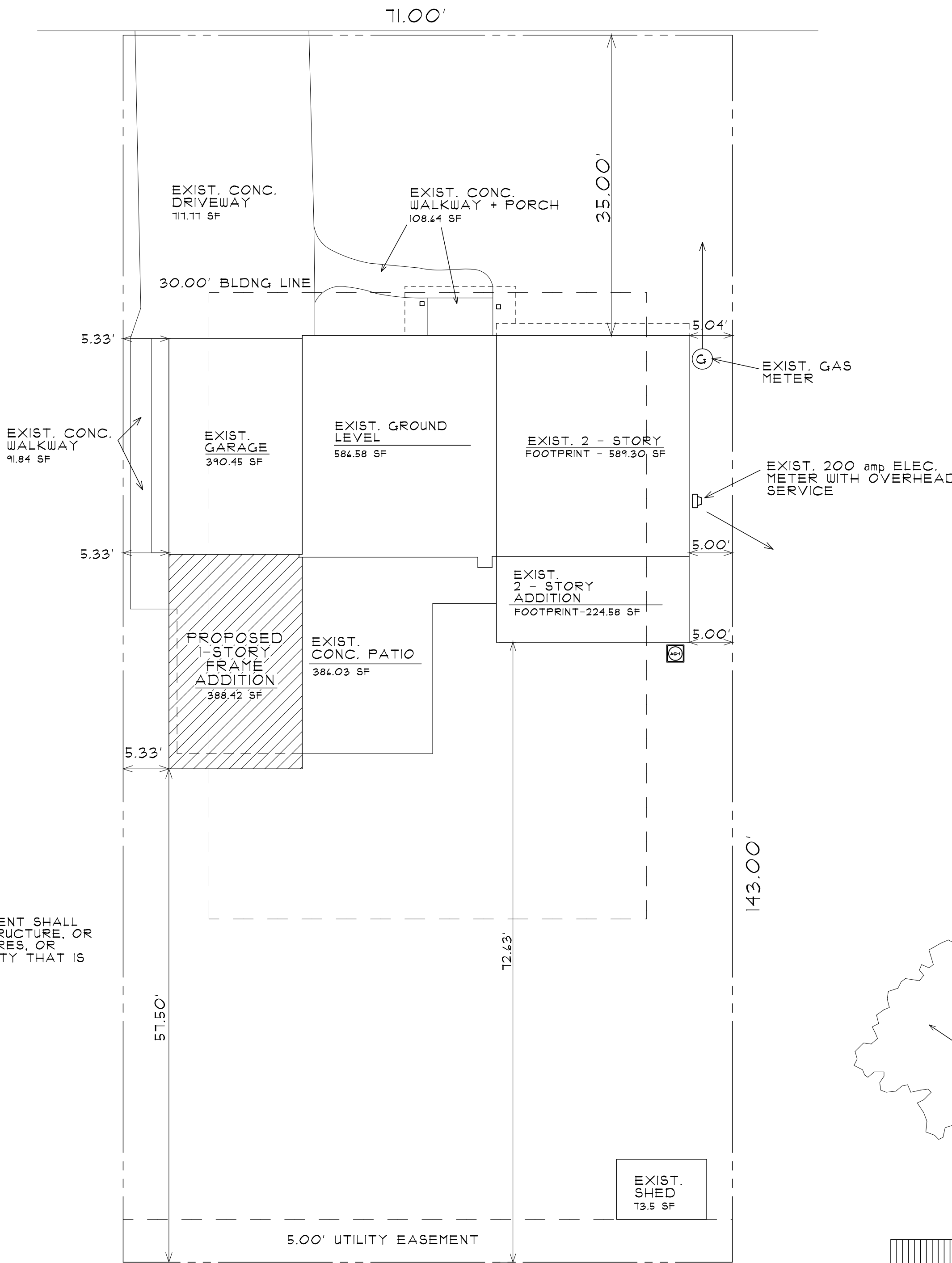
- CONSTRUCTION DEBRIS AND REFUSE CONTAINMENT SHALL BE REQUIRED FOR ALL JOB SITES. CONTAINMENT SHALL OCCUR ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT. IT SHALL BE WITHIN A DUMPSTER, STRUCTURE, OR CONTAINER THAT CAN BE COVERED TO PREVENT WINDBLOWN DEBRIS. ALL SUCH DUMPSTERS, STRUCTURES, OR CONTAINERS SHALL BE COVERED AT ALL TIMES WHEN NO WORK IS BEING PERFORMED ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT.
- ALL DISTURBED PARKWAY LAWN AREAS WILL BE RESTORED WITH NEW SOD ON 6" OF TOPSOIL. ALL SOD SHALL BE WATERED AS REQ'D TO SUSTAIN GROWTH.
- ALL PARKWAY TREES SHALL HAVE A SNOW FENCE THAT EXTENDS TO THE DRIP LINE. NO TRAFFIC SHALL GO OVER THE ROOT SYSTEM.
- SURFACE DRAINAGE TO BE DIVERTED FROM STRUCTURE SO AS NOT TO CREATE A HAZARD ON THIS OR ADJACENT PROPERTY. GRADE FROM FOUNDATION TO DROP A MINIMUM OF 6" IN 10'. PROVIDE SWALES OR DRAINS TO ENSURE DRAINAGE FROM STRUCTURE AND ADJACENT PROPERTY.
- TOILET FACILITIES SHALL BE PROVIDED AT ALL JOB SITES PER ILLINOIS PLUMBING CODE. THIS WILL BE A CONDITION OF THE PERMIT.
- PROVIDE AND MAINTAIN A 4'-0" HIGH FENCE ALONG THE FULL LENGTH OF INTERIOR SIDE YARDS UNTIL EXTERIOR CONSTRUCTION IS COMPLETE.
- PROVIDE AND MAINTAIN A 4'-0" HIGH CONSTRUCTION FENCE DURING NON-WORKING HOURS THAT WILL ENCLOSE ALL OPEN EXCAVATIONS UNTIL FOUNDATION IS BACK-FILLED & FIRST FLOOR DECK IS COMPLETED.

### GENERAL NOTE:

- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCIES IN FIELD CONDITIONS IS TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING.
- PLEASE NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS.

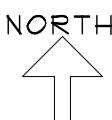
STATE LAW: BEFORE DIGGING, CALL JULIE (811 OR 1-800-892-0123) FOR LOCATION OF PUBLIC AND PRIVATE UTILITIES AT WORK SITE. 48 HOURS NOTICE IS REQUIRED.

W. KENILWORTH AVE.



### SITE PLAN

SCALE 1" = 10'-0"



### TREE PROTECTION DETAIL

NO SCALE

ERECT PROTECTIVE SNOWFENCE PRIOR TO ANY CONSTRUCTION ACTIVITY. DO NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE PROTECTION AREA. REMOVE THE PROTECTIVE SNOW FENCE ONLY AFTER CONSTRUCTION IS COMPLETE.

ALL TREES ARE TO BE PROTECTED DURING CONSTRUCTION WITH FENCING. FOR EVERY 1" OF TREE DIAMETER, MAINTAIN 1'-0" DISTANCE AWAY FOR FENCING.

## INDEX OF DRAWINGS

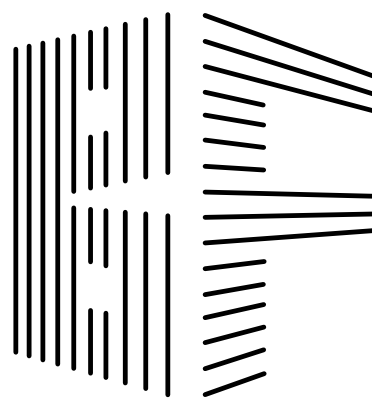
| SHEET | DESCRIPTION                                   |
|-------|-----------------------------------------------|
| G-1   | SITE PLAN + GENERAL NOTES                     |
| A-1   | FOUNDATION PLAN + NOTES                       |
| A-2   | CONSTRUCTION PLAN + NOTES                     |
| A-3   | EXTERIOR ELEVATIONS<br>WALL SECTION + DETAILS |
| E-1   | ELECTRICAL PLAN + NOTES                       |

## ZONING CALCULATIONS - [R-2]

| LOCATION                    | REQUIRED AREA [SQ. FT.] |
|-----------------------------|-------------------------|
| LOT                         | 10,153                  |
| MAX BUILDING COVERAGE (35%) | 3,553.55                |
| PROPOSED BUILDING COVERAGE  | 2,119.33                |
| MAXIMUM LOT COVERAGE (45%)  | 4,568.85                |
| PROPOSED LOT COVERAGE       | 3,483.41                |
| LOCATION                    | PROPOSED AREA [SQ. FT.] |
| EXISTING FOOTPRINT          | 1,190.91                |
| PROPOSED 1ST FLOOR          | 388.42                  |
| OTHER LOT COVERAGE SURFACES | 1,304.28                |

## SETBACKS - [R-2]

| LOCATION          | REQUIRED DIMENSION | PROPOSED DIMENSION |
|-------------------|--------------------|--------------------|
| FRONTYARD         | 30.00'             | EXIST.             |
| INTERIOR SIDEYARD | 10.00'             | 5.33'              |
| REARYARD          | 40.00'             | 51.50'             |
| HEIGHT            | 30'-0"             | EXIST.             |



BUCKLEY FARA  
ARCHITECTS, INC.

2512 HATFIELD DR.  
ELGIN, IL 60123

JOSEPH FARA  
(630) 651-9457  
2jfara2@gmail.com

THOMAS BUCKLEY  
(847) 347-9266  
thomasbuckley57@gmail.com

## DESALVO RESIDENCE

225 W.  
KENILWORTH AVE.  
PALATINE  
ILLINOIS

### PROPOSED ROOM ADDITION

3-14-22 RELEASED FOR  
PERMIT SUBMITTAL

PROJECT NO. 2022-024B  
DRAWN BY TB / JF

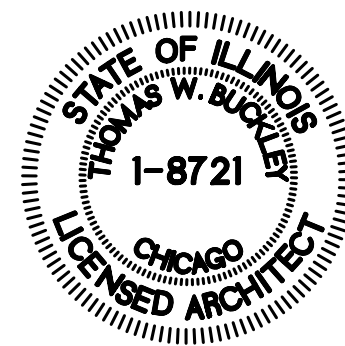
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ARCHITECTS, INC. 2023

| DATE    | DESCRIPTION |
|---------|-------------|
| 6-17-22 | PRELIMINARY |
| 8-8-22  | PRELIMINARY |
| 3-14-23 | PERMIT      |

### ARCHITECT'S CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECTION AND THAT TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.

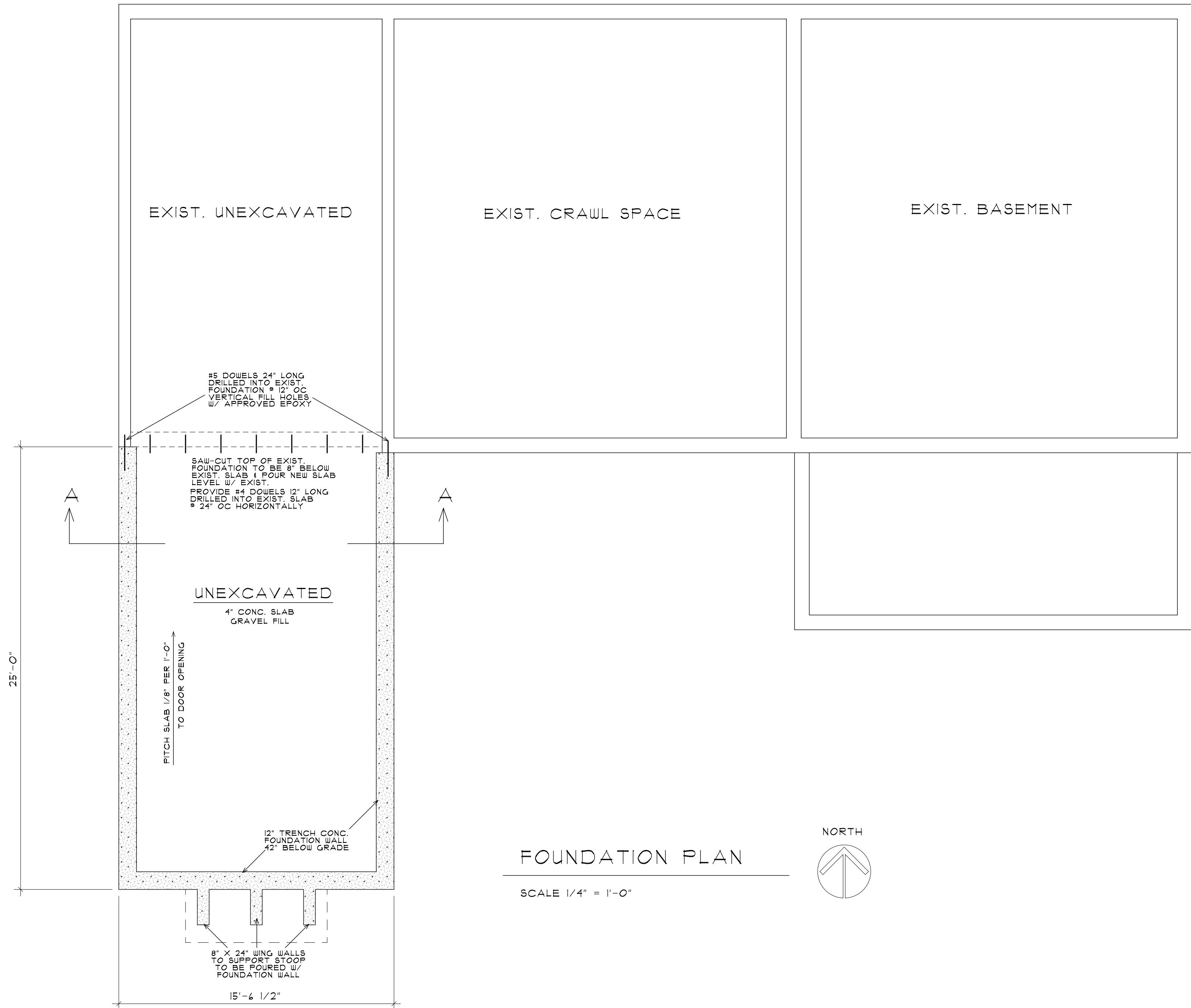
*Thomas Buckley*  
CERT NO. 001.008721  
EXP. 11-30-24 DATE: 3-14-2023



G-1

OF FIVE



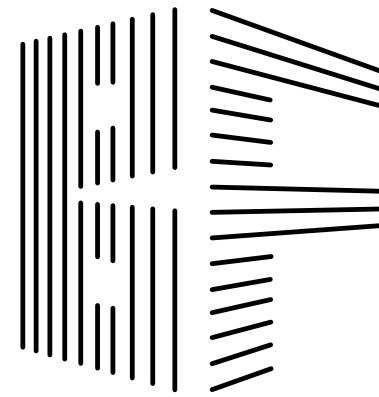


CONCRETE AND EXCAVATION

- FOOTINGS SHALL BEAR ON UNDISTURBED, INORGANIC SOIL WITH MINIMUM BEARING CAPACITY OF 3000 PSF.
- ALL EXCAVATED SOIL SHALL BE REMOVED FROM SITE. FOUNDATION EXCAVATION SHALL BE BACKFILLED WITH CRUSHED CONCRETE AND TOPPED WITH 12 INCHES OF TOPSOIL.
- FOUNDATION CONCRETE TO ACHIEVE COMPRESSIVE STRENGTH OF 3000PSI AT 28 DAYS; MIN. 5 1/2 BAG MIX. SIDEWALKS, PATIOS, 1 STEPS TO BE AIR-ENTRAINED WITH COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, MIN. 6 BAG MIX.
- BACK-FILL SOIL SO THAT GRADE SLOPES AWAY FROM FOUNDATION 4" WITHIN FIRST 10'-0" (MIN).
- EXISTING GROUND ELEVATIONS WILL NOT BE ALTERED ANYWHERE ON THE SITE IN ORDER TO MAINTAIN THE EXISTING DRAINAGE PATTERN AND NOT OBSTRUCT ANY TRIBUTARY DRAINAGE FROM THE SURROUNDING PROPERTIES.
- ALL EXCAVATED SOIL/MATERIALS NOT TO BE USED FOR BACKFILL & TO BE IMMEDIATELY REMOVED FROM SITE. NO ON-SITE STOCKPIILING OF EXCAVATED MATERIALS WILL BE ALLOWED, WITH THE EXCEPTION OF TOPSOIL FOR FINAL GRADING.
- GRAVEL BASE ON CONCRETE SLABS TO HAVE A BASIC COURSE CONSISTING OF CLEAN GRADE SAND, GRAVEL, CRUSHED STONE, OR CRUSHED BLAST-FURNACE SLAG PASSING A 2" SIEVE AND RETAINED ON 1/4" SIEVE SHALL BE PLACED ON THE PREPARED SUBGRADE WHEN THE SLAB IS BELOW GRADE. PEA GRAVEL IS NOT ALLOWED
- PLEASE TAKE CARE WHEN DIGGING FOR THE FOOTINGS. THE USE OF ROCK UNDER FOOTINGS CAN FACILITATE WATER ACCUMULATION UNDER THE FLOOR SLAB/BASEMENT AND CONTRIBUTE TO FLOODING AS THE GROUND WATER LEVEL RISES DURING EXTREMELY WET PERIODS. THEREFORE, CRUSHED ROCK CANNOT BE PERMITTED UNDER FOUNDATIONS UNLESS A SOILS REPORT BY AN ILLINOIS LICENSED SOILS ENGINEER SPECIFICALLY ADDRESSES THE EXISTING AND POTENTIAL HIGH LEVELS OF GROUND WATER TABLE AND ADEQUATE PREVENTIVE MEASURES TO PROTECT THE HOMEOWNER.
- CONTROL JOINTS FOR 4" SLABS SHALL BE AT A MAXIMUM OF 8' INTERVALS
- FIELD VERIFY SAW CUT CONTROL JOINTS ARE INSTALLED WITHIN 24 HOURS OF FINAL FINISHING OF CONC.
- A WRITTEN RECORD PROVIDED FROM THE MATERIAL SUPPLIER SHALL BE PROVIDED TO THE LOCAL AUTHORITY UPON COMPLETION OF DELIVERY OF CONCRETE. THE RECORDS SHALL CONTAIN THE FOLLOWING:
  - TIME THAT WATER WAS INTRODUCED TO THE CONC. MIX
  - TIME AT THE END OF THE CONCRETE POUR
  - CEMENT MIX RATIO
  - AMOUNT OF WATER ADDED ON SITE
  - TOTAL NUMBER OF DRUM REVOLUTIONS
  - AMOUNT OF CHLORIDE ADDED TO THE CEMENT MIX
  - AMOUNT OF ADMIXTURES IN CEMENT MIX
  - AIR CONTENT OF CEMENT MIX
- SLABS-ON-GRADE REQUIRE A MINIMUM OF #10 WELDED WIRE FABRIC LOCATED IN THE UPPER ONE THIRD OF THE THICKNESS
- PORCHES & STEPS EXPOSED TO WEATHER SHALL HAVE CONCRETE W/ A MIN. COMPRESSIVE STRENGTH OF 3500 PSI AND SHALL BE AIR ENTRAINED NOT LESS THAN 5% OR MORE THAN 1%.

WALL LEGEND - SUB-LEVEL

| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION               | DESCRIPTION                                                                 |
|------------------------------|--------|-------------|----------------------------|-----------------------------------------------------------------------------|
| EXTERIOR                     | ---    | ---         | EXISTING WALL CONSTRUCTION | 12" TRENCH CONC. FOUNDATION WALL W/ 2" RE TOP & BOTTOM MIN. 42" BELOW GRADE |
| EXISTING WALLS TO REMAIN     |        |             | EXISTING WALL CONSTRUCTION |                                                                             |
| EXISTING WALLS TO BE REMOVED |        |             | EXISTING WALL CONSTRUCTION |                                                                             |



BUCKLEY FARA  
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DESALVO  
RESIDENCE

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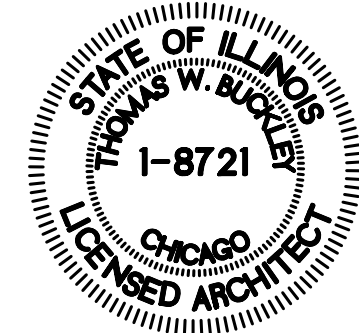
PROPOSED ROOM  
ADDITION

3-14-22 RELEASED FOR  
PERMIT SUBMITTAL

PROJECT NO. 2022-024B  
DRAWN BY TB / JF

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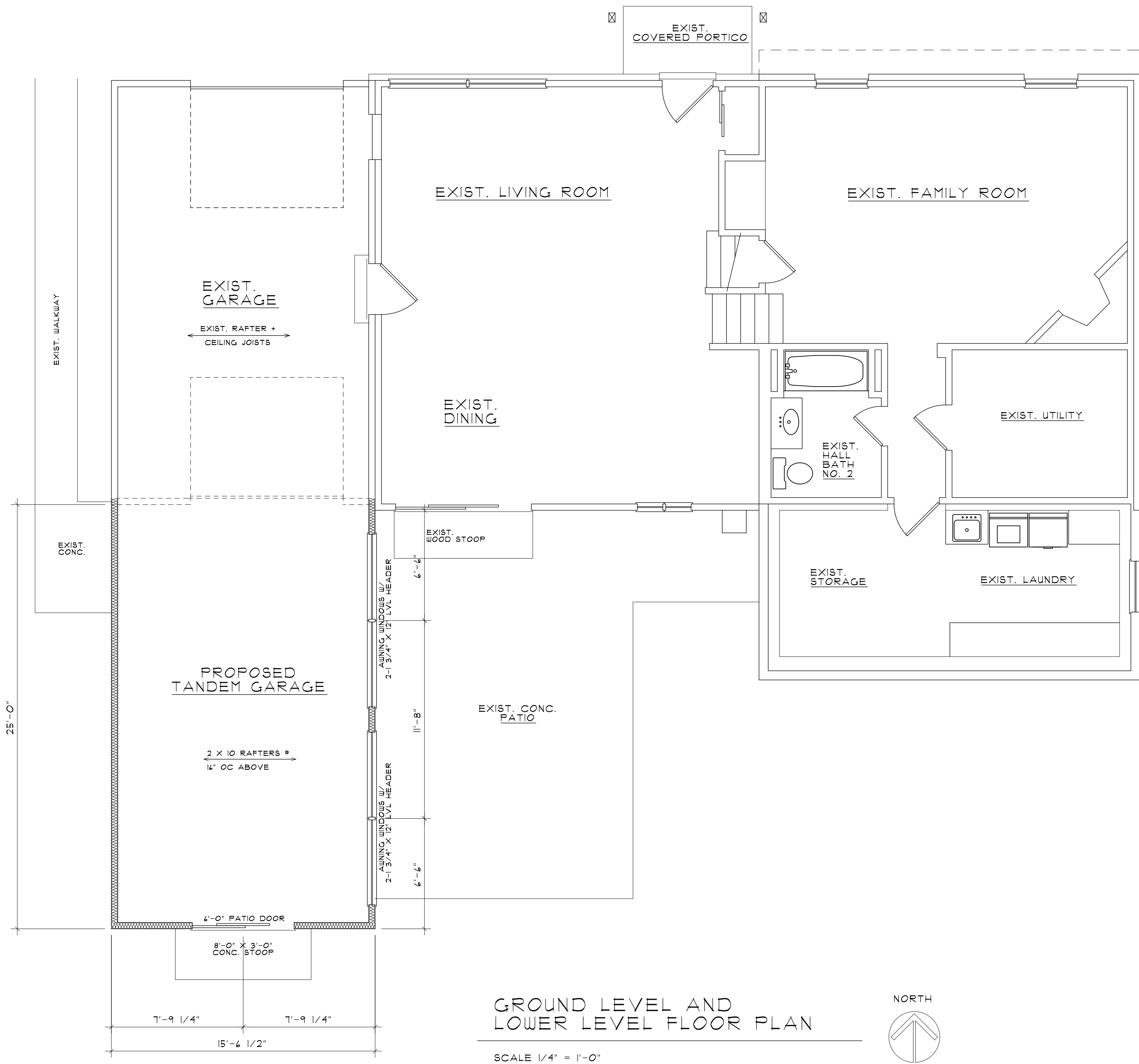
| DATE    | DESCRIPTION |
|---------|-------------|
| 6-17-22 | PRELIMINARY |
| 8-8-22  | PRELIMINARY |
| 3-14-23 | PERMIT      |



A-1

OF FIVE





| WALL LEGEND - GRADE LEVEL    |        |             |              |                                               |
|------------------------------|--------|-------------|--------------|-----------------------------------------------|
| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                   |
| EXTERIOR                     | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL EA FACE |
| EXISTING WALLS TO REMAIN     |        |             |              | EXISTING WALL CONSTRUCTION                    |
| EXISTING WALLS TO BE REMOVED |        |             |              | EXISTING WALL CONSTRUCTION                    |

| DOOR + WINDOW WOOD HEADER SIZES<br>(UNLESS NOTED DIFFERENTLY ON PLANS) |                                               |                                               |        |
|------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------|
| SPAN/OPENING                                                           | HEADER SIZE                                   | # JACKS                                       |        |
| LESS THAN 3'                                                           | 2-2X4s                                        | 2                                             |        |
| 3' - 3'-8"                                                             | 2-2X8s                                        | 2                                             |        |
| 3'-8" - 4'-6"                                                          | 2-2X10s                                       | 2                                             |        |
| 4'-6" - 5'-6"                                                          | 2-2X12s                                       | 2                                             |        |
| GREATER THAN 5'-6"                                                     | SEE PLAN                                      | 2                                             |        |
| WOOD HEADER/BEAM SUPPORT COLUMNS                                       |                                               |                                               |        |
| BEAM/HEADER                                                            | COLUMN<br>(IN 2X4 WALL)                       | COLUMN<br>(IN 2X6 WALL)                       | DETAIL |
| DIMENSIONAL LUMBER (2X12,2X10,2X8,2X6,2X4)                             | (EA END)<br>(2)2X4 JACK<br>2X4 KING STUD      | (EA END)<br>(2)2X6 JACK<br>2X6 KING STUD      |        |
| 2-1 3/4' LVLs                                                          | (ONE EA END)<br>4X4 POST<br>2X4 KING STUD     | (ONE EA END)<br>4X6 POST<br>2X6 KING STUD     |        |
| 3-1 3/4' LVLs                                                          | (ONE EA END)<br>6X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>6X6 PSL POST<br>2X6 KING STUD |        |

ENERGY CONSERVATION NOTE:

- A PERMANENT CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED. A UTILITY ROOM OR AN APPROVED LOCATION IN THE BUILDING IT SHALL LIST THE R-VALUES OF INSULATION INSTALLED, U-FACTORS OF GLAZING, DUCT TESTING & BLOWER TEST RESULTS. (2018 IECC R401.3)

FIRE PROTECTION

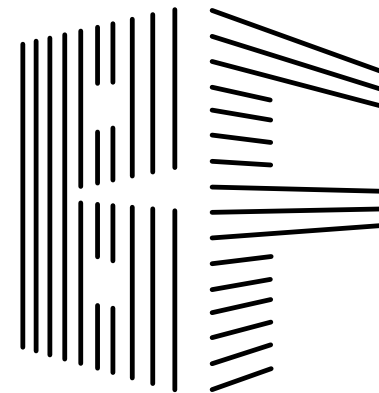
- PROVIDE FIRE-BLOCKING CONFORMING TO IRC R402.8
- IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY DRAFT STOPPING SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 500 SQ FT OR 25 FT IN ANY HORIZONTAL DIRECTION. DRAFT STOPPING SHALL BE DIVIDED IN EQUAL AREAS.
- FIRESTOPPING TO BE INSTALLED AT ALL PLATE PENETRATIONS, SOFFITS, FURRED SPACES CONCEALED SPACES, ETC. AS PER THE BUILDING CODE.
- FIREBLOCKING SHALL BE IN THE FOLLOWING LOCATIONS:
  - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS:
    - VERTICALLY AT THE CEILING AND FLOOR LEVELS
    - HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
  - AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES FOR SOFFITS, DROP CEILINGS AND COVE CEILINGS, ETC.
  - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT THE CEILING AND FLOOR LEVELS (SECTION: IRC R302.1)

STRUCTURAL

- ALL WALLS WILL BE PROVIDED WITH A DOUBLE TOP PLATE LAPPED AT THE CORNERS.
- CONSTRUCTION LUMBER TO BE SPF CONSTRUCTION GRADE NO. 2  
 $E_s = 1000 \text{ PSI}$  MODULUS OF ELASTICITY 1,100,000
- LUMBER WITH SPANS GREATER THAN 20' TO BE DOUGLAS FIR CONSTRUCTION GRADE NO. 2  
 $E_s = 1200 \text{ PSI}$  MODULUS OF ELASTICITY 1,100,000
- EXTERIOR OR LOAD BEARING WALLS WITH STUDS DRILLED WITHIN 5/8" OF THE FACE OF THE STUD SHALL BE REINFORCED WITH A STRUCTURAL STUD SHOE. (SECTION R402.4)
- ALL INTERIOR WALL FRAMING, UNLESS OTHERWISE NOTED, TO BE 2 x 4 STUDS @ 16" OC W/ 1/2" DRYWALL EACH SIDE.
- EXTERIOR OR LOAD BEARING WALLS WITH PLATES CUT, DRILLED OR NOTCHED MORE THAN 50% OF THE WIDTH OF THE STUD SHALL HAVE A GALVANIZED METAL TIE 1/4 GAGE AND 1 1/2 INCHES (1 1/2") WIDE FASTENED TO EACH PLATE. (SECTION: R402.4.1)
- PROVIDE 2 - 2 X 12 HEADER WITH 1/2" PLYWOOD AND SINGLE CRIPPLE FOR SPANS UP TO 4'. SEE PLAN FOR SPANS GREATER THAN 4'; PROVIDE DOUBLE CRIPPLE FOR SPANS EXCEEDING 4'.
- CUTS, NOTCHES AND HOLES BORED IN TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH ARE SPECIFICALLY ADDRESSED. (SECTION: R502.8.2)
- ALL RAFTER TIES SHALL BE PROVIDED IN ACCORDANCE WITH IRC R802.1.1.1. RESULTING UPLIFT FORCES FROM THE TIES SHALL BE TRANSMITTED TO THE FOUNDATION.
- RIDGE BOARD SHALL BE AT LEAST TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. VALLEY & HIP RAFTERS SHALL NOT BE LESS THAN TWO-INCH (2") NOMINAL THICKNESS + NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTERS.

THERMAL AND MOISTURE PROTECTION

- ROOFING:
- SHINGLES SHALL COMPLY W/ASTM D225 OR D3462. PROVIDE NO LESS THAN 4 NON-CORROSIVE FASTENERS PER STRIP. BASE FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK OR MINERAL SURFACE ROLL 11#/100 SF. CAP FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK. OPEN VALLEYS TO BE LINED W/ METAL 24" (MIN.) WIDE OR 2 PILES OF MINERAL SURFACE ROLL 36" (MIN.) WIDE. CLOSE VALLEY THE SAME AS OPEN VALLEY OR ONE PLY MIN. 36" WIDE.
  - ICE AND WATER SHIELD IS REQUIRED IN ALL VALLEYS (UP 18" ON EACH SIDE) AND ON EAVES, A MINIMUM OF 2'-0" BEYOND THE INTERIOR WALL LINE.
  - FENESTRATION SHALL BE LISTED AND LABELED BY THE MANUFACTURER. THE MAX AIR INFILTRATION OF WINDOWS, SKYLIGHTS, AND SLIDING GLASS DOORS IS 0.3 CFM PER SQ FT. MAX AIR INFILTRATION OF SWINGING DOORS IS 0.5 CFM PER SQ FT.
  - GLAZING: MAXIMUM ALLOWED GLAZING U FACTOR IS .30 (BTU/HR\*FT2\*F) GLAZING U-FACTOR SHALL BE SHOWN ON THE WINDOW LABEL DURING INSPECTION
  - THE VAPOR BARRIER SHALL BE LAPPED 12 INCHES AND THE SEAMS SEALED WITH COMPATIBLE GLUES.



**BUCKLEY FARA  
ARCHITECTS, INC.**  
2512 HATFIELD DR.  
ELGIN, IL 60123

JOSEPH FARA  
(630) 651-9457  
2jfara2@gmail.com  
THOMAS BUCKLEY  
(847) 347-9266  
thomasbuckley57@gmail.com

**DESALVO  
RESIDENCE**

225 W.  
KENILWORTH AVE.  
PALATINE  
ILLINOIS

PROPOSED ROOM  
ADDITION

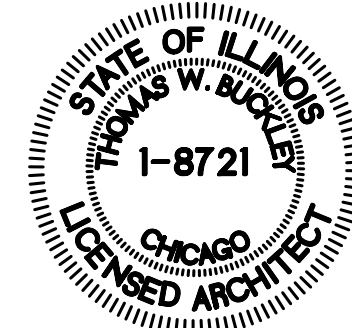
3-14-22 RELEASED FOR  
PERMIT SUBMITTAL

PROJECT NO. 2022-024B  
DRAWN BY TB / JF

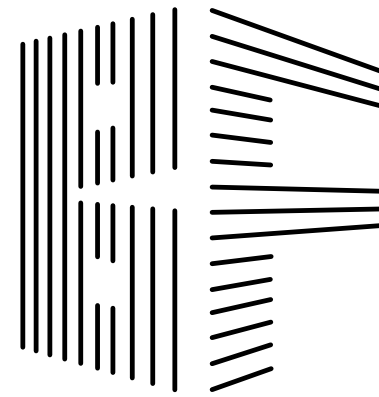
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| DATE    | DESCRIPTION |
|---------|-------------|
| 6-17-22 | PRELIMINARY |
| 8-8-22  | PRELIMINARY |
| 3-14-23 | PERMIT      |

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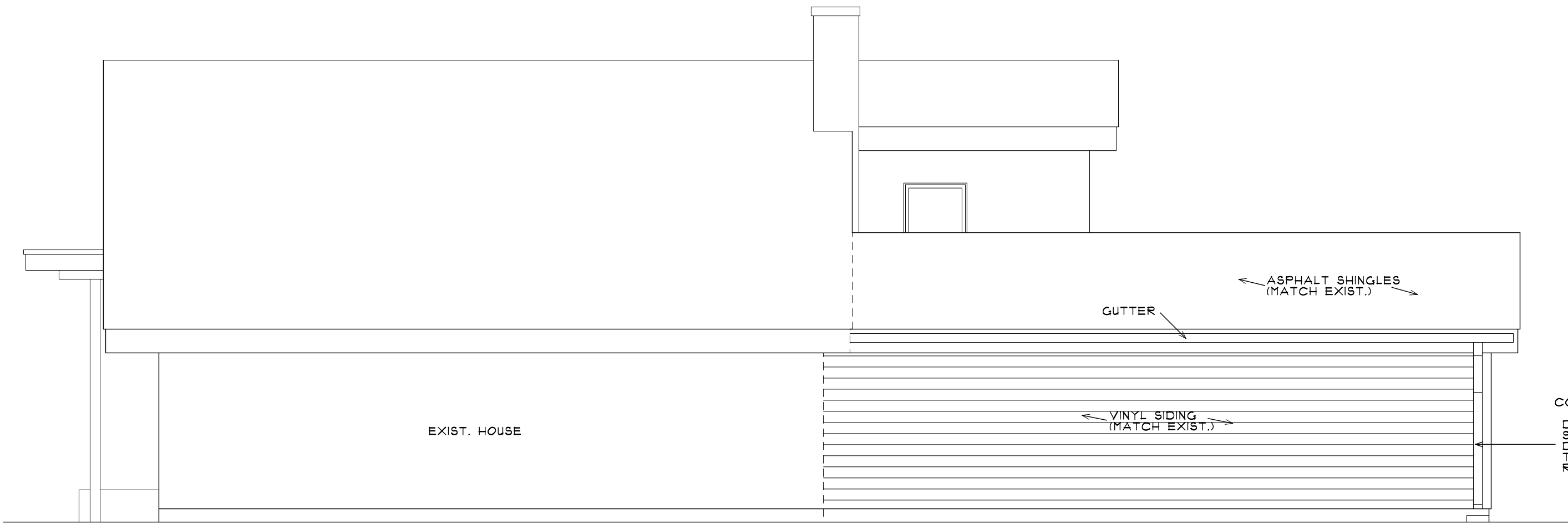
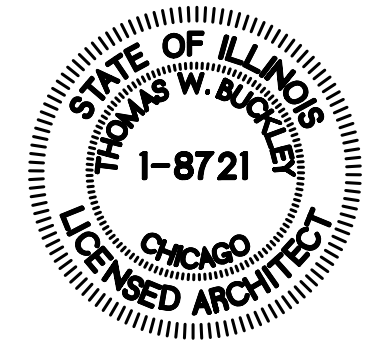
PROPOSED ROOM  
ADDITION

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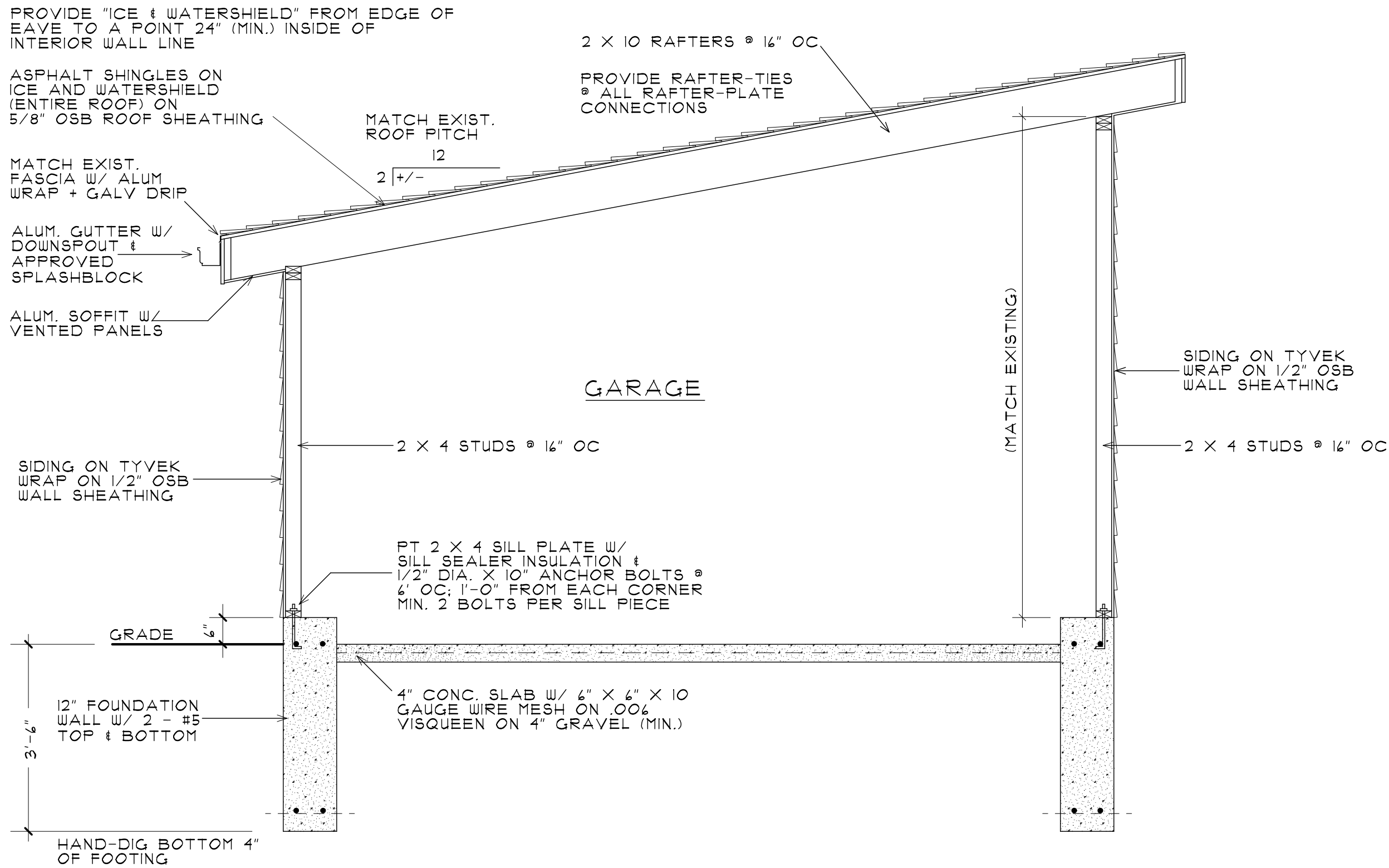
WEST ELEVATION

SCALE 1/4" = 1'-0"



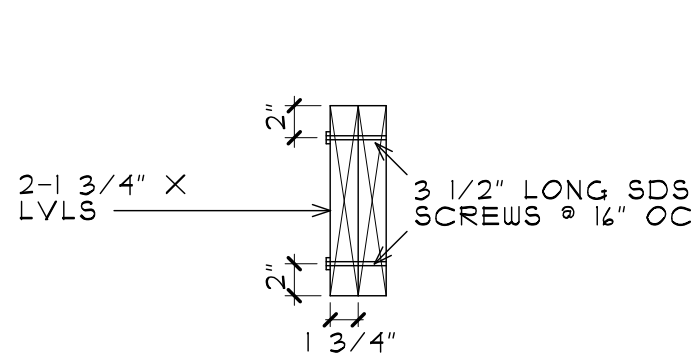
SOUTH ELEVATION

SCALE 1/4" = 1'-0"

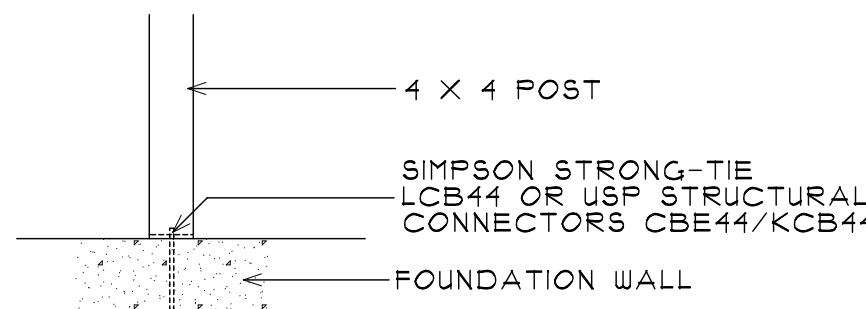


BUILDING SECTION A-A

SCALE 1/2" = 1'-0"

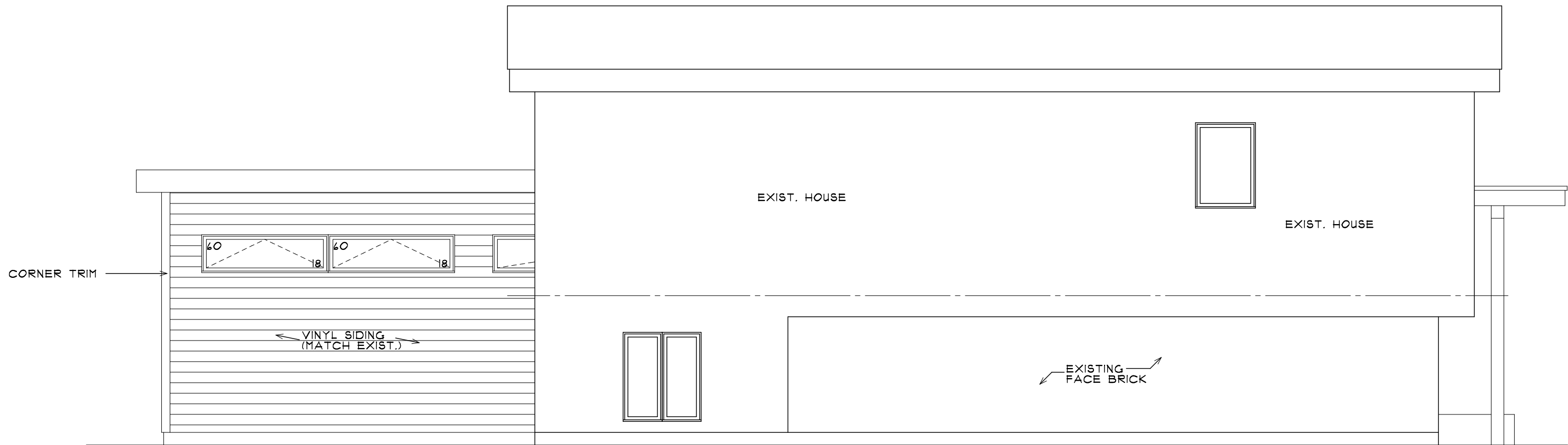


2-PLY LVL FASTENING DETAIL  
SCALE: 1" = 1'-0"



COLUMN BASE DETAIL

SCALE 1/2" = 1'-0"



EAST ELEVATION

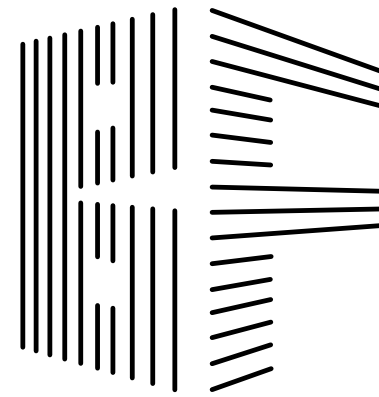
SCALE 1/4" = 1'-0"

| ELEVATION MATERIALS             |       |                                                   |        |
|---------------------------------|-------|---------------------------------------------------|--------|
| LOCATION                        | HATCH | DESCRIPTION                                       | MANUF. |
| SIDING                          |       | HORIZONTAL VINYL SIDING (COLOR TO MATCH EXISTING) |        |
| ROOFING                         |       | ASPHALT SHINGLES (COLOR TO MATCH EXISTING)        |        |
| SOFFIT, FASCIA GUTTER, D/S TRIM |       | MATCH EXISTING                                    |        |

ELEVATION NOTES:

1. WINDOW SIZES BASED ON FRAME SIZES; ROUGH OPENINGS TO BE VERIFIED W/ CHOSEN WINDOW MANUF. & CONTRACTOR PRIOR TO CONSTRUCTION
2. FRAME SIZES TO BE FOLLOWED AS CLOSE AS POSSIBLE PER DIFFERENT MANUF.
3. ALL NEW WINDOWS TO HAVE A MAX. U-FACTOR OF 0.30
4. WINDOWS IN WHICH THE BOTTOM EDGE OF THE WINDOW IS LESS THAN 18" ABOVE THE TOP OF THE FLOOR ARE REQUIRED TO BE TEMPERED.





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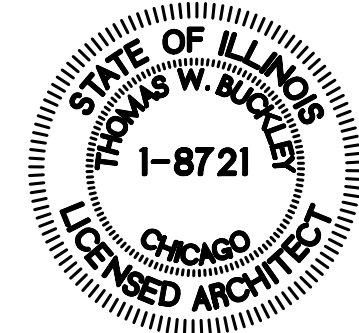
PROPOSED ROOM  
ADDITION

3-14-22 RELEASED FOR  
PERMIT SUBMITTAL

|             |           |
|-------------|-----------|
| PROJECT NO. | 2022-024B |
| DRAWN BY    | TB / JF   |

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E-1

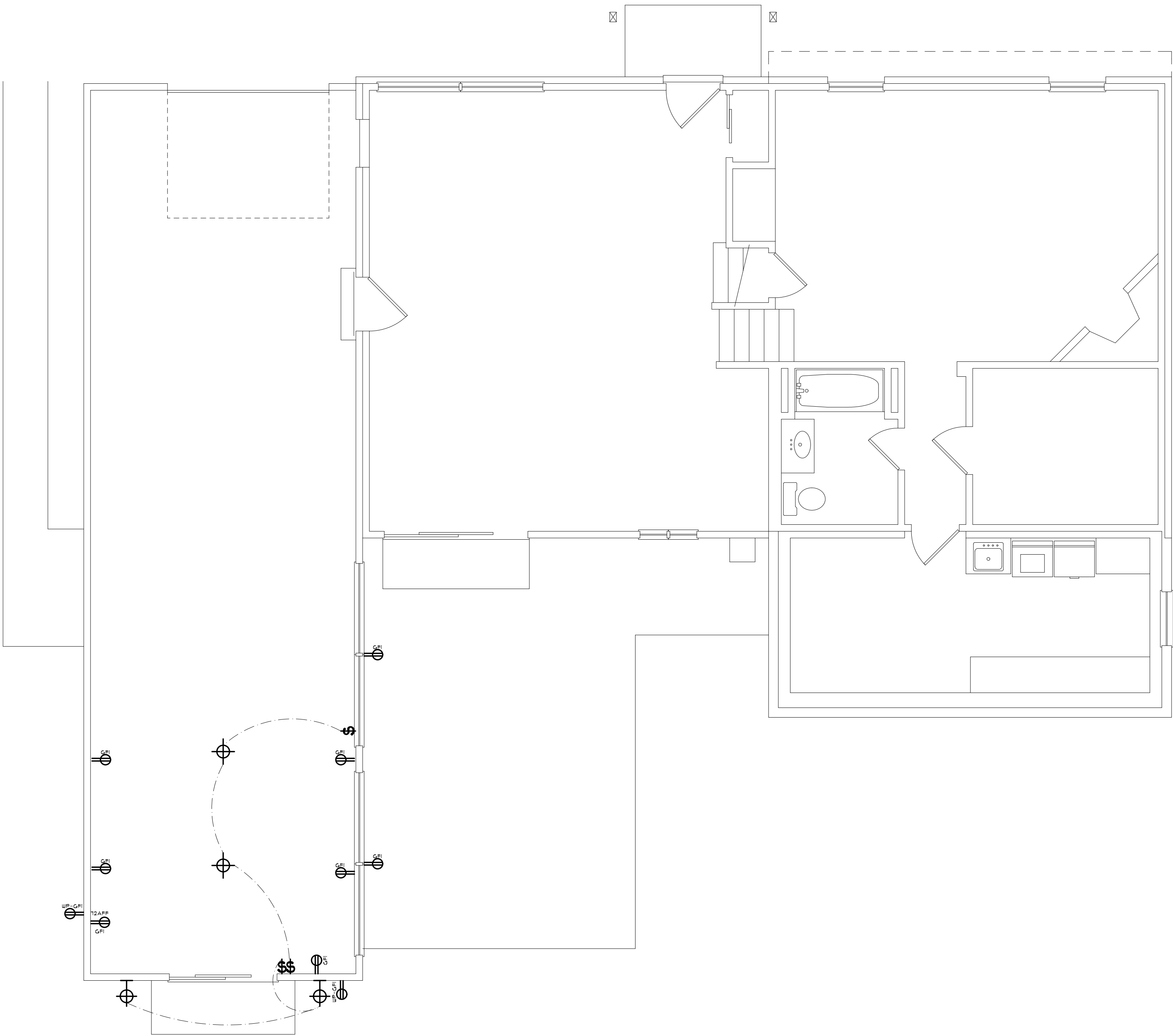
OF FIVE

ELECTRICAL

1. ALL WIRING 25 VOLTS OR GREATER TO BE IN ELECTRIC METALLIC TUBING. PVC IS NOT PERMITTED.
2. A MIN. OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.
3. GARAGES ARE TO BE ON A SEPARATE 20 AMP CIRCUIT.
4. RECEPTACLE RATING FOR A 20 AMP CIRCUIT SHALL BE 20 AMPS.
5. EACH GENERAL LIGHTING CIRCUIT SHALL NOT HAVE MORE THAN 10 POWER CONSUMING DEVICES CONNECTED TO IT + THE CIRCUIT BREAKER SHALL NOT EXCEED 15 AMPS.
6. PROVIDE A NEUTRAL WIRE AT EACH SWITCH BOX LOCATION.
7. 14AWG CU CONDUCTORS CANNOT BE USED FOR A BRANCH CIRCUIT LARGER THAN 15A.
8. ELECTRICAL RECEPTACLES ARE REQUIRED TO BE SELF-GROUNDING.
9. ALL ELECTRICAL CONDUCTORS ARE TO BE SOLID OR STRANDED COPPER IN ELECTRICAL METALLIC TUBING.
10. CEILING MOUNTED ELECTRICAL OUTLETS INSTALLED IN THE GARAGE SHALL BE GFCI PROTECTED.
11. SURFACE MOUNTED INCANDESCENT FIXTURES INSTALLED NO CLOSER THAN 12" TO THE NEAREST STORAGE SPACE. SURFACE MOUNTED FLUORESCENT FIXTURES INSTALLED NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE. RECESSED INCANDESCENT AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE.
12. ALL RECEPTACLES REQUIRE A PIGTAIL GROUNDING WIRE TO THE BOX.
13. ALL NEW 125 VOLT, 15- AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
14. PROVIDE A GROUND WIRE IN ALL RACEWAYS.

ELECTRICAL LEGEND

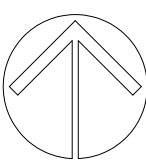
| SYMBOL | DESCRIPTION                                                       |
|--------|-------------------------------------------------------------------|
|        | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                      |
|        | RECESSED LIGHT FIXTURE (IC-RATED WHERE NECESSARY)                 |
|        | WALL-MOUNTED LIGHT FIXTURE                                        |
|        | SWITCH                                                            |
|        | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                |
|        | DUPLEX RECEPTACLE WEATHERPROOF + GROUND-FAULT CIRCUIT INTERRUPTED |



GROUND LEVEL AND  
LOWER LEVEL ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

NORTH



**ORDINANCE NO. O-11-18**

**AN ORDINANCE GRANTING A SPECIAL USE AT  
225 W. KENILWORTH AVENUE**

Attachment: PZC Materials - May 23, 2023 (225 W. Kenilworth Avenue - SU Addition Setback)

Published in pamphlet form by authority of the  
Mayor and Village Council of the Village of Palatine  
on February 5, 2018



ORDINANCE NO. 0-11-18AN ORDINANCE GRANTING A SPECIAL USE  
AT 225 W. KENILWORTH AVENUE

WHEREAS, pursuant to a petition and public hearing on January 9, 2018, of which public notice was given as required by law, the Zoning Board of Appeals of the Village of Palatine, in accordance with the Zoning Ordinance of the Village of Palatine, in such case made and provided, has held such public hearing and reported their findings relative to a request for a Special Use to permit an addition to be setback 5 feet from the side lot lines instead of the required 10 feet pursuant to Section 10.06 (c)(13) of the Palatine Zoning Ordinance, on the following legally described property:

LOT 5 IN BLOCK 2 IN R. HOUSTON, JR. AND SONS' CLEN-TYAN MANOR BEING A SUBDIVISION OF PART OF THE WEST ½ OF THE NORTHEAST ¼ OF SECTION 22, TOWNSHIP 42 ORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

commonly known as 225 W. Kenilworth Avenue (PIN# 02-22-213-024)

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power that:

**SECTION 1:** Special Use to permit an addition to be setback 5 feet from the side lot lines instead of the required 10 feet pursuant to Section 10.06 (c)(13) of the Palatine Zoning Ordinance., is hereby granted, subject to the following condition(s):

1. The Special Use shall substantially conform to the site plan and elevation plan, including the landscaped area, as depicted, prepared by Thomas Buckley Architect dated 12/4/2017 except as such plans may be changed to conform to Village Codes and Ordinances.

SECTION 2: That a copy of the public notice is attached hereto and form a part of this ordinance.

SECTION 3: That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED: This 5<sup>th</sup> day of February, 2018

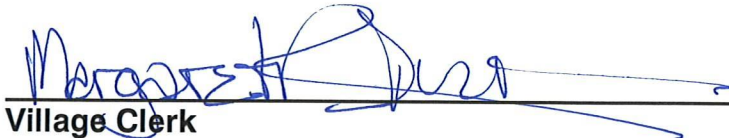
AYES: 6 NAYS: 0 ABSENT: 0 PASS: 0

APPROVED by me this 5<sup>th</sup> day of February, 2018

  
\_\_\_\_\_  
Mayor of the Village of Palatine

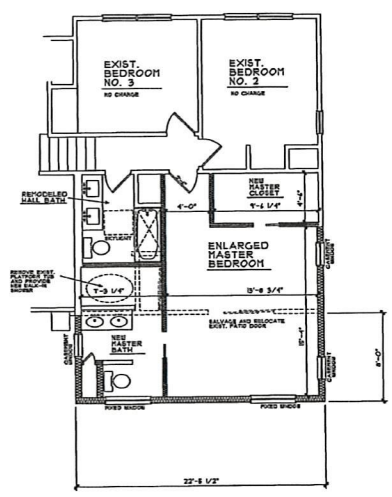
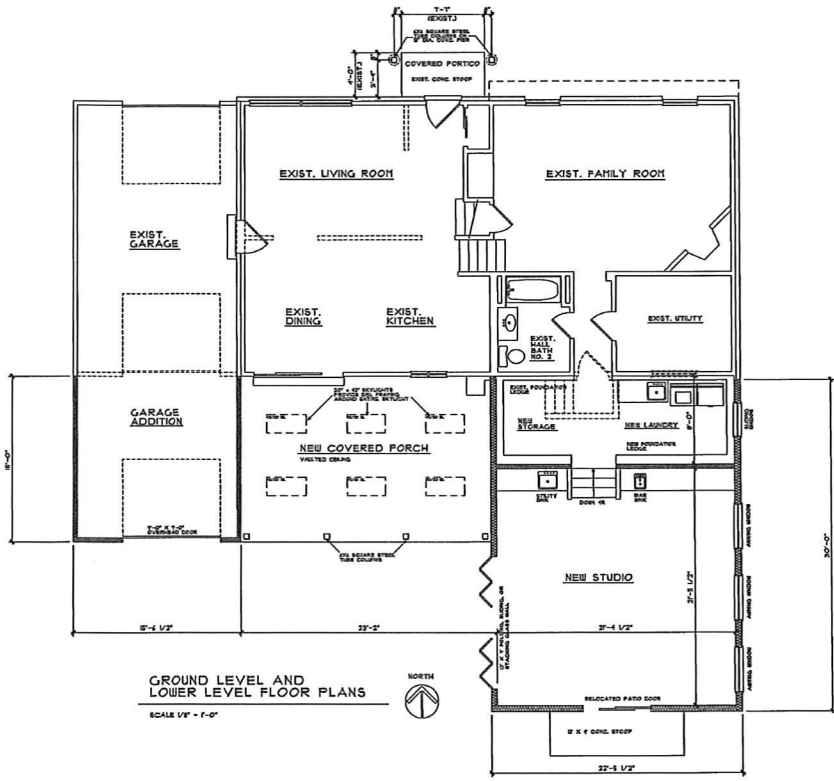
ATTESTED and FILED in the office of the Village Clerk this

5<sup>th</sup> day of February, 2018

  
\_\_\_\_\_  
Village Clerk



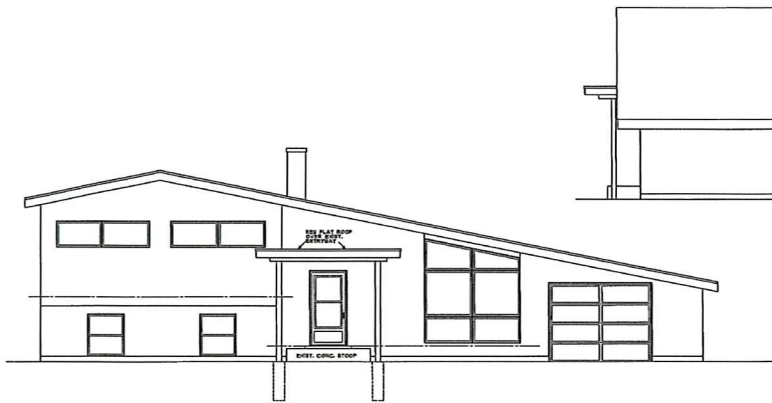




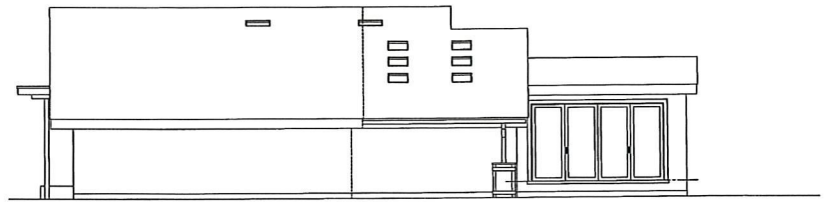
|                                                                                                         |                                           |                         |                                      |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|--------------------------------------|
| PROPOSED MULTIPLE ROOM ADDITIONS                                                                        | 1-25-B RELEASED FOR SPECIAL USE SUBMITTAL | DeSALVO RESIDENCE       |                                      |
|                                                                                                         |                                           | THOMAS BRUCKY ARCHITECT | 225 W. KENILWORTH PALATINE, ILLINOIS |
| P.O. BOX 1824<br>NORWALK, ILLINOIS 60451<br>TEL. 815-225-1824 FAX 815-225-1825<br>tom@thomaskbrucky.com | 301-6764<br>TS                            | A-1                     |                                      |
|                                                                                                         | 12-4-11                                   | OF THREE                |                                      |

Attachment: PZC Materials - May 23, 2023 (225 W. Kenilworth Avenue - SU Addition Setback)





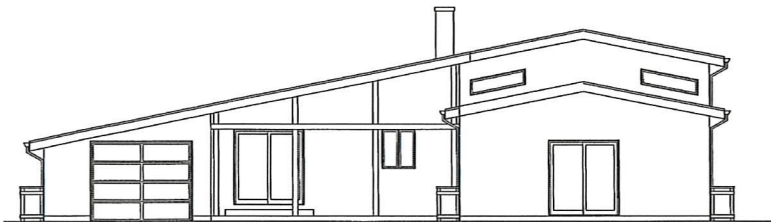
NORTH ELEVATION  
SCALE 1/8" = 1'-0"



WEST ELEVATION  
SCALE 1/8" = 1'-0"



EAST ELEVATION  
SCALE 1/8" = 1'-0"



SOUTH ELEVATION  
SCALE 1/8" = 1'-0"

|                                                                                                                     |                                              |                                                                     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------|
| PROPOSED MULTIPLE<br>ROOF ADDITIONS                                                                                 | I-25-B RELEASED FOR<br>SPECIAL USE SUBMITTAL | DeSALVO<br>RESIDENCE                                                |
|                                                                                                                     |                                              |                                                                     |
| THOMAS<br>BOCCIA<br>ARCHITECT<br>P.C. BOX 1824<br>NORFOLK ILLINOIS 60148<br>TEL: 815-232-8833 FAX:<br>1815-232-8833 |                                              | 225 N. KENILWORTH<br>PALATKA, ILLINOIS<br>321-6784<br>18<br>12-4-11 |
|                                                                                                                     |                                              | CP THREE                                                            |

**PUBLIC NOTICE**  
 A public hearing will be held before the Palatine Zoning Board of Appeals on Tuesday, January 9, 2018 at 7 PM, in the Village Council Chambers in the Palatine Village Hall, 200 East Wood Street, relative to a request for the following:  
 Special Use to permit an addition to be setback 5 feet from the side lot lines instead of the required 10 feet pursuant to Section 10.06 (c)(13) of the Palatine Zoning Ordinance.  
 The property is commonly known as 225 W. Kenilworth Ave (PIN# 02-22-213-024).  
 The Petitioners are proposing to build a second story addition and maintain the current side yard setbacks. The above petition has been filed by Monique and David DeSalvo and is available for examination in the office of the Village Clerk, 200 E. Wood Street.  
 FILE #: 17-93  
 VILLAGE OF PALATINE  
 Jan Wood, Chair  
 Palatine Zoning Board of Appeals  
 DATED: This 25th day of December, 2017.  
 Published in Daily Herald  
 December 25, 2017 (4489819)

## CERTIFICATE OF PUBLICATION

Paddock Publications, Inc.

### Northwest Suburbs Daily Herald

Corporation organized and existing under and by virtue of the laws of the State of Illinois, DOES HEREBY CERTIFY that it is the publisher of the Northwest Suburbs DAILY HERALD. That said Northwest Suburbs DAILY HERALD is a secular newspaper, published in Arlington Heights and has been circulated daily in the Village(s) of:

Arlington Heights, Barrington, Barrington Hills, Bartlett, Buffalo Grove, Deer Park, Des Plaines, Elk Grove, Hanover Park, Hoffman Estates, Inverness, Mt Prospect, Palatine, Prospect Heights, Rolling Meadows, Schaumburg, South Barrington, Streamwood, Wheeling

County(ies) of Cook

and State of Illinois, continuously for more than one year prior to the date of the first publication of the notice hereinafter referred to and is of general circulation throughout said Village(s), County(ies) and State.

I further certify that the Northwest Suburbs DAILY HERALD is a newspaper as defined in "an Act to revise the law in relation to notices" as amended in 1992 Illinois Compiled Statutes, Chapter 715, Act 5, Section 1 and 5. That a notice of which the annexed printed slip is a true copy, was published December 25, 2017 in said Northwest Suburbs DAILY HERALD.

IN WITNESS WHEREOF, the undersigned, the said PADDOCK PUBLICATIONS, Inc., has caused this certificate to be signed by, this authorized agent, at Arlington Heights, Illinois.

PADDOCK PUBLICATIONS, INC.  
DAILY HERALD NEWSPAPERS

BY Paula Baltz  
 Designee of the Publisher and Officer of the Daily Herald

Control # 4489819

Attachment: PZC Materials - May 23, 2023 (225 W. Kenilworth Avenue - SU Addition Setback)



# CERTIFICATE OF PUBLICATION

**DES PLAINES JOURNAL, INC.**, a corporation organized and existing under and by virtue of the laws of the State of Illinois, does hereby CERTIFY that it is the publisher of the:

**Journal & Topics Newspapers**  
**AKA Des Plaines Journal, Inc.**  
**622 Graceland Ave.**  
**Des Plaines, IL 60016-4556**

and that said newspaper(s) is a secular newspaper of general circulation and has been published weekly in the

(Village) (Town) (City) (Township) of PALATINE  
☒ ☐ ☐ ☐  
 County of COOK

and State of Illinois, continuously for more than one year prior to date of the first publication of the notice attached hereto, and that said newspaper(s) complies with the requirements of Paragraphs 5 and 10, Chapter 100, of the Illinois Revised Statutes.

Further, that the notice, of which the attached is a true copy, was published ONE times in the said newspaper(s), namely once each week for ONE successive week(s) and that the first publication of said notice was made on the 4TH day of MAY, A.D. 20<sup>23</sup>, and the last publication thereof was made on the 4TH day of MAY, A.D. 20<sup>23</sup>.

Your Legal appeared in  
 the following Journal & Topics  
 Newspapers  
 (Des Plaines Journal, Inc.)

- ☒ Des Plaines Journal
- ☒ Elk Grove Village Journal
- ☒ Mt. Prospect Journal
- ☒ Niles Journal
- ☒ Park Ridge-Golf Mill Journal
- ☒ Prospect Heights Journal
- ☒ Rosemont Journal
- ☒ Arlington Heights Topics
- ☒ Buffalo Grove Topics
- ☒ Palatine Topics
- ☒ Rolling Meadows Topics
- ☒ Wheeling Topics
- ☐ Suburban Journal
- ☐ Northwest Journal
- ☐ Glenview Journal



*Mary Alice Wenzl*  
 IN WITNESS WHEREOF, THE **DES PLAINES JOURNAL, INC.**, has caused this certificate to be signed and its corporate seal affixed hereto at Des Plaines, Illinois this 4TH day of MAY, A.D., 20<sup>23</sup>.

By Todd Wenzel

President

Title of Corporate Officer

County of Cook  
 State of Illinois

Subscribed and sworn to before me this 4TH day of MAY, A.D., 20<sup>23</sup>.

My commission expires the 15TH day of JULY, A.D., 20<sup>25</sup>.

Attachment: PZC Materials - May 23, 2023 (225 W. Kenilworth Avenue - SU Addition Setback)

2. 225 W. Kenilworth Avenue

Notice was published in the Daily Herald on May 04, 2023 and mailed to the owners of the surrounding properties.

**Petitioner's Exhibits:**

1. Application for Special Use
2. Proof of Ownership
3. Plat of Survey
4. Garage Expansion Plans & Elevations
5. Ordinance O-11-18
6. Public Notice

Mr. Bradshaw gave a brief outline of the request explaining the petitioner is proposing to construct an addition to the rear of the existing attached garage. He stated the proposed 388 square foot addition will maintain the existing 5.3-foot side yard setback for the legally non-conforming residence therefore, the petitioner is requesting:

- Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

**Sworn in petitioner: Mr. David DeSalvo 225 W. Kenilworth owner**

Mr. DeSalvo stated in 2018 they received a special use for the other addition on the other side to add bedroom. He stated they planned to do the garage as well to be able to fit 2 cars, but the cost of the addition pushed the garage to a later date. He stated they have been working with an architect to keep the roof line the same visually from the street. Mr. DeSalvo stated the gutters will remain for existing roof and run off will remain the same going to the rear to not impact any neighbors. He stated they have support signature form from the neighbors and all are ok with addition and are excited that it will help the property values in the neighborhood. Mr. DeSalvo restated the garage will have the same roof line as the house just extending straight back.

**Mr. Bradshaw submitted Surrounding Property Owners Signed Petition as Exhibit #7**

Mr. Bradshaw gave a brief overview stating in 2018 a special use was granted to permit an addition to the east side of the house with the same set back of 5 feet from the side lot line. He pointed out the home directly across at street to the south, 224 W. Kenilworth Ave, was granted a similar Special Use for a side yard setback reduction to permit a home addition in June 2022. He stated both building and lot coverage are within the maximum allowed by Code. Mr. Bradshaw stated Community Services have reviewed the petition and had no issues. He stated Engineering has reviewed and is requiring a lot grading plan during the building permit stage.



Chairman Kolososki asked about lot coverage.  
Mr. Bradshaw stated it is under permitted by code.

Chairman Kolososki asked if there is a history of water issues.  
Mr. Bradshaw stated staff is not aware of any stormwater issues.

Chairman Roth-Wurster asked if the garage was approved in the prior special use.

Mr. Bradshaw stated that was before his time, but the garage was part of their proposed plan in 2018. However, as the garage was not included in the issued building permit the approval has since expired.

Chairman Fedota asked why the two sliding doors are at different heights.  
Chairman Kolososki explained the garage floor is lower than the floor of the house.

#### **STAFF RECOMMENDATION:**

The Petitioner is proposing to construct an addition to the existing attached garage. The addition will maintain the current 5.3-foot setback from the side property line. As the addition will not cause the residence to encroach any further into the required side yard setback, the total lot coverage and building coverage are significantly under the maximum permitted by Code. The proposal should not cause substantial injury to the value of the surrounding properties in the neighborhood. Therefore, Staff recommends approval of the Special Use, subject to the following condition:

1. The Special Use shall substantially conform to the Site Plan, Floor Plan, and Elevations submitted by the Petitioner, Monique DeSalvo, except as such plans may be changed to conform to the Village Codes and Ordinances.

Chairman Noonan asked the petitioner if they can and will meet staff's conditions.  
Mr. DeSalvo answered, yes.

There were no further questions. The public hearing was closed.

**Mr. Cavanaugh made a motion to approve subject staff's conditions; seconded by Ms. Roth-Wurster**

#### **DELIBERATIONS:**

Chairman Cavanaugh stated they are improving the value, there are no issues with lot coverage and from the street you can't see the addition. He stated it meets the standards.

Chairman Roth-Wurster stated it meets standards won't have impact on neighboring properties.

Chairman Friedman summarized that this request has met the standards and was unanimously approved by a vote of 7-0. This item will tentatively go to Village Council on June 5, 2023.

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>RECOMMEND TO APPROVE [UNANIMOUS]</b>                                    |
| <b>MOVER:</b>    | Kevin Cavanaugh, Commissioner                                              |
| <b>SECONDER:</b> | Cindy Roth-Wurster, Commissioner                                           |
| <b>AYES:</b>     | Noonan, Roth-Wurster, Friedman, Bettenhausen, Kolososki, Cavanaugh, Fedota |
| <b>ABSENT:</b>   | Wood, Luszczak                                                             |



# Consider an Ordinance Granting a Special Use and Variation to Permit an Addition to Encroach into the Required Front Yard Setback and to Exceed Maximum Lot Coverage at 849 W. Kenilworth Avenue

## BACKGROUND:

The Petitioner is seeking a lot coverage Variation and a Special Use for a front yard setback reduction to permit a 2-story addition and covered porch along the front of the home. The proposed front yard setback to the covered porch is approximately 20 feet, with the remaining 2-story addition having a 25-foot setback. Therefore, the Petitioner is requesting approval of the following:

- 1) Special Use to permit an addition to be set back 20 feet from the front property line, instead of the minimum required 30 feet; and**
- 2) Variation to permit lot coverage to be 48%, instead of the maximum permitted 45%.**

## KEY ISSUES:

- The Petitioner is seeking a front yard setback reduction to permit a 2-story frame addition and covered porch along the front of the home. The proposed setback for the covered porch addition is approximately 20 feet.
- The existing residence, not including the porch and stair, is set back approximately 24 feet and is legal non-conforming to the currently required 30-foot front yard setback in the R-2 district.
- The proposed porch and front stairs will be set back approximately the same distance as the existing smaller porch and stair. However, the proposal will stretch the porch to cover the entire front of the residence.
- The application indicates that the addition will provide more space for their family and add to the neighborhood character by making the home more appealing. Per the submitted elevation plans, the 2-story addition will match the existing ridgeline and will not exceed the current height of the residence. A formal engineering review will be done as part of the building permit process.
- Comparable relief was granted to the adjacent property at 879 W. Kenilworth Ave. In 2018 a Special Use was granted to permit the home to be set back 20 feet from the zoning front lot line off Crescent Avenue, instead of the minimum required 30 feet.

## ALTERNATIVES:

1. Approve the Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.
2. Do not approve the Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.

## RECOMMENDATION:

Public Hearing: PZC meeting on May 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve a Special Use and Variation to permit a home addition, and Staff concurs.

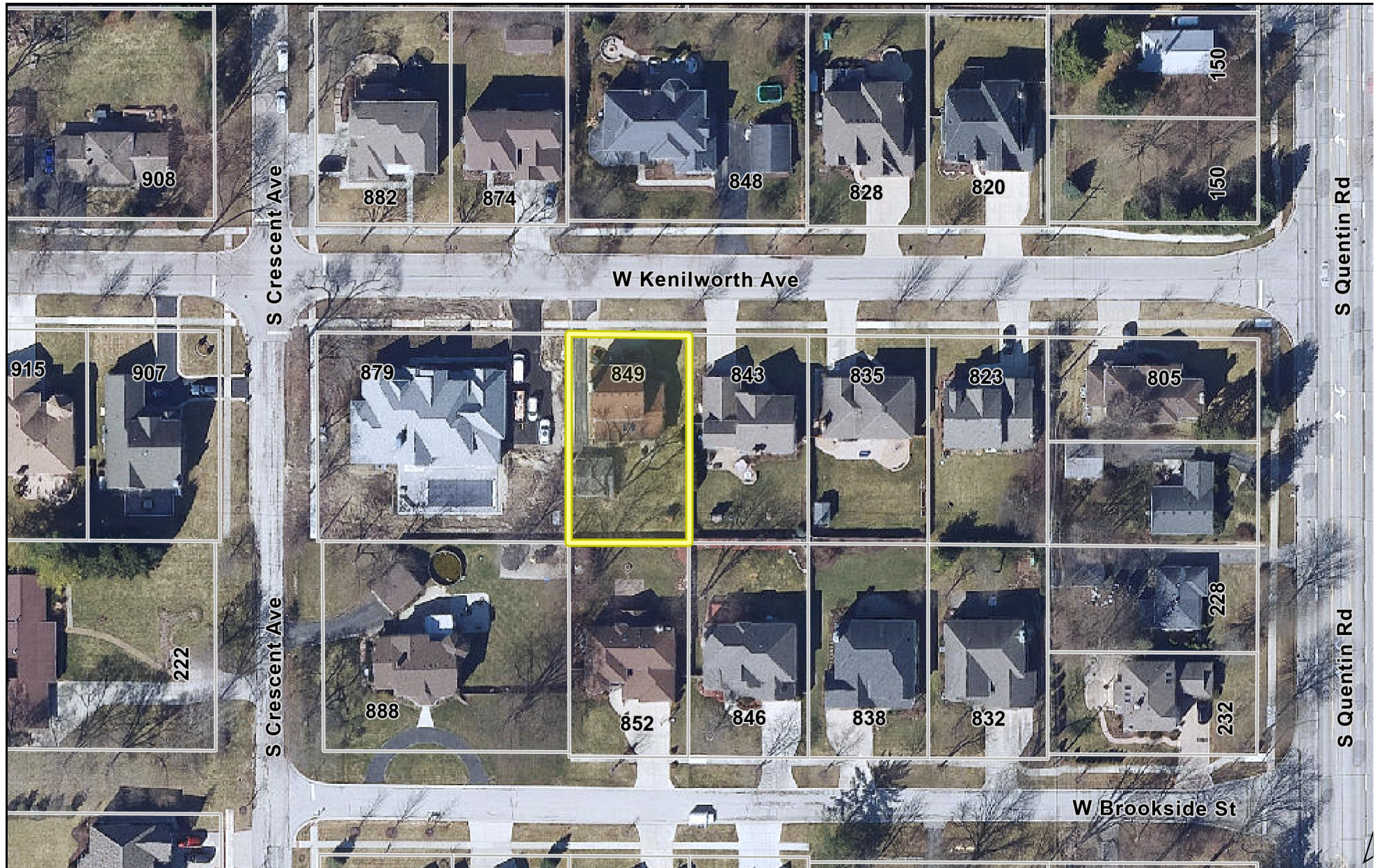
**ACTION REQUIRED:**

A motion to approve the ordinance granting a Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.

**ATTACHMENTS:**

- Aerial Map
- SU VAR ORD - 849 W Kenilworth
- EXHIBIT - Site Plan & Elevations
- PZC Materials - May 23, 2023
- Draft PZC Mintues - May 23, 2023





0 150 300  
ft

Print Date: 4/12/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

Attachment: Aerial Map (849 W. Kenilworth Avenue - SU & VAR Addition)

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE GRANTING A SPECIAL USE AND VARIATION  
AT 849 W. KENILWORTH AVENUE**

WHEREAS, pursuant to a petition and public hearing on May 23, 2023, of which public notice was given as required by law, the Planning and Zoning Commission of the Village of Palatine, in accordance with the Zoning Ordinance of the Village of Palatine, in such case made and provided, has held such public hearing and reported their findings relative to a request for a Special Use to permit a 2-story addition to be setback 20 feet from the front property line, instead of the minimum required 30 feet pursuant to Section 10.06 (h) (1) of the Palatine Zoning Ordinance; and a Variation to permit lot coverage to be 48%, instead of the maximum permitted 45% pursuant to Section 10.06 (g) (1) (b) on the following legally described property:

**LOT 1 IN SCHUMANN PLACE BEING A RESUBDIVISION OF LOT 9 IN BLOCK 9 OF ARTHUR T. MCINTOSH & CO'S PALATINE HILLS BEING A SUBDIVISION OF THE PART OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 21, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.**

commonly known as 849 W. Kenilworth Avenue (PIN# 02-21-215-019)

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power that:

**SECTION 1:** Special Use to permit a 2-story addition to be setback 20 feet from the front property line, instead of the minimum required 30 feet pursuant to Section

Attachment: SU VAR ORD - 849 W Kenilworth (849 W. Kenilworth Avenue - SU & VAR Addition)



Ordinance No.

Page 2 of 2

**10.06 (h) (1) of the Palatine Zoning Ordinance; and a Variation to permit lot coverage to be 48%, instead of the maximum permitted 45% pursuant to Section 10.06 (g) (1) (b), is hereby granted, subject to the following condition(s):**

- 1. The Special Use and Variation shall substantially conform to the site plan, floor plan, and elevation plan submitted by the Petitioner, Joel Christell, except as such plans may be changed to conform to Village Codes and Ordinances.**

**SECTION 2: That a copy of the public notice is attached hereto and form a part of this ordinance.**

**SECTION 3: That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.**

**PASSED: This \_\_\_\_\_ day of \_\_\_\_\_, 2023**

**AYES:\_\_\_\_\_ NAYS:\_\_\_\_\_ ABSENT:\_\_\_\_\_ PASS:\_\_\_\_\_**

**APPROVED by me this \_\_\_\_\_ day of \_\_\_\_\_, 2023**

\_\_\_\_\_  
**Mayor of the Village of Palatine**

**ATTESTED and FILED in the office of the Village Clerk this**

**\_\_\_\_\_ day of \_\_\_\_\_, 2023**

\_\_\_\_\_  
**Village Clerk**

| DESIGN CRITERIA                                                                                                 |                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| FLOOR                                                                                                           |                                                                                                                       |
| SLEEPING ROOMS                                                                                                  | 30# LL - 10# DL                                                                                                       |
| OTHER ROOMS                                                                                                     | 40# LL - 10# DL                                                                                                       |
| VEH. GARAGES                                                                                                    | 50# LL - 10# DL                                                                                                       |
| WALL                                                                                                            | 40# PLF OR ACTUAL LOAD<br>20 PSF WIND 0'-20' HEIGHT<br>25 PSF WIND 21'-29' HEIGHT<br>30 PSF WIND 30' HEIGHT AND ABOVE |
| CEILING                                                                                                         |                                                                                                                       |
| UNHAB W/O STOR                                                                                                  | 10# LL - 10# DL                                                                                                       |
| UNHAB LIM STOR                                                                                                  | 20# LL - 10# DL                                                                                                       |
| HAB W/ FX STAIR                                                                                                 | 30# LL - 10# DL                                                                                                       |
| WIND SPEED                                                                                                      | 115 MPH 3 SECOND GUST & 89 MPH NOMINAL                                                                                |
| ROOF                                                                                                            | 25# LL (SNOW) - 10# DL (ALL SLOPES)                                                                                   |
| CATHEDRAL                                                                                                       | 30# LL - 15# DL (ALL SLOPES)                                                                                          |
| EXT. DECK                                                                                                       | 40# LL - 10# DL                                                                                                       |
| EXT. BALCONY                                                                                                    | 40# LL - 10# DL                                                                                                       |
| STAIRS                                                                                                          | 40# LL + 300# CONCENTRATED LOAD                                                                                       |
| GUARD-HANDRAILS                                                                                                 | 200# LL AT ANY DIRECTION APPLIED AT THE TOP                                                                           |
| FROST DEPTH                                                                                                     | 42" (3'-4")                                                                                                           |
| STRUCTURAL FRAMING LUMBER                                                                                       |                                                                                                                       |
| BASE VALUE (USE NO MULTIPLIERS AGAINST BASE VALUE)                                                              |                                                                                                                       |
| GRADE # 2 SPECIES SPF DOMESTIC OR CANADIAN BASE Fb 1000                                                         |                                                                                                                       |
| SPECIFY MANUFACTURER AND NAME OF SPECIFIC BEAM PRODUCT WITH THE CURRENT SIZE, Fb, AND E VALUES PER MANUFACTURER |                                                                                                                       |
| MANUFACTURER                                                                                                    | TRUS-JOIST                                                                                                            |
| PRODUCT                                                                                                         | LYL HEADERS & BEAMS MICRO-LAM                                                                                         |

| TABLE R301(2)(I)<br>CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA |             |              |                     |                        |                         |                        |                  |              |                    |                                |                                       |                    |                  |
|-------------------------------------------------------------|-------------|--------------|---------------------|------------------------|-------------------------|------------------------|------------------|--------------|--------------------|--------------------------------|---------------------------------------|--------------------|------------------|
| GROUND SNOW LOAD                                            | WIND DESIGN |              |                     |                        | SEISMIC DESIGN CATEGORY | SUBJECT TO DAMAGE FROM |                  |              | WINTER DESIGN TEMP | ICE BARRIER UNDER LAYMENT REQ. | FLOOD HAZARDS CHPT 15 OF VILLAGE CODE | AIR FREEZING INDEX | MEAN ANNUAL TEMP |
|                                                             | SPEED (MPH) | TOPO EFFECTS | SPECIAL WIND REGION | WIND-BORNE DEBRIS ZONE |                         | WINDING                | FROST LINE DEPTH | TERMITES     |                    |                                |                                       |                    |                  |
| 25                                                          | 115         | NO           | NO                  | NO                     | A                       | severe                 | 42"              | MOD TO HEAVY | -4                 | YES                            | SEE BELOW                             | 2000               | 41.4             |

DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE W/ THE VILLAGE OF PALATINE AND AMENDMENTS AS LISTED BELOW.

INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION (WITH AMENDMENTS).  
(A)APPENDIX A, SIZING AND CAPACITIES OF GAS PIPING  
(B)APPENDIX B, SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS  
(C)APPENDIX C, EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS  
(E)APPENDIX F, PASSIVE RADON GAS CONTROL METHODS  
(F)APPENDIX H, PATIO COVERS  
(G)APPENDIX J, EXISTING BUILDINGS AND STRUCTURES  
INTERNATIONAL MECHANICAL CODE, 2015 EDITION  
INTERNATIONAL FUEL GAS CODE, 2015 EDITION  
INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION (WITH ILLINOIS AMENDMENTS)  
INTERNATIONAL FIRE CODE, 2015 EDITION  
NATIONAL ELECTRIC CODE, 2017 EDITION  
ILLINOIS PLUMBING CODE, 2014 EDITION  
VILLAGE OF PALATINE CODE OF ORDINANCES

SITE NOTES:

- CONSTRUCTION DEBRIS AND REFUSE CONTAINMENT SHALL BE REQUIRED FOR ALL JOB SITES. CONTAINMENT SHALL OCCUR ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT. IT SHALL BE WITHIN A DUMPSTER, STRUCTURE, OR CONTAINER THAT CAN BE COVERED TO PREVENT WINDBLOWN DEBRIS. ALL SUCH DUMPSTERS, STRUCTURES, OR CONTAINERS SHALL BE COVERED AT ALL TIMES WHEN NO WORK IS BEING PERFORMED ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT.
- ALL DISTURBED PARKWAY LAWN AREAS WILL BE RESTORED WITH NEW SOD ON 4" OF TOPSOIL. ALL SOD SHALL BE WATERED AS REQ'D TO SUSTAIN GROWTH.
- ALL PARKWAY TREES SHALL HAVE A SNOW FENCE THAT EXTENDS TO THE DRIP LINE. NO TRAFFIC SHALL GO OVER THE ROOT SYSTEM.
- SURFACE DRAINAGE TO BE DIVERTED FROM STRUCTURE SO AS NOT TO CREATE A HAZARD ON THIS OR ADJACENT PROPERTY. GRADE FROM FOUNDATION TO DROP A MINIMUM OF 4" IN 10'. PROVIDE SWALES OR DRAINS TO ENSURE DRAINAGE FROM STRUCTURE AND ADJACENT PROPERTY.
- TOILET FACILITIES SHALL BE PROVIDED AT ALL JOB SITES PER ILLINOIS PLUMBING CODE. THIS WILL BE A CONDITION OF THE PERMIT.
- PROVIDE AND MAINTAIN A 4'-0" HIGH FENCE ALONG THE FULL LENGTH OF INTERIOR SIDE YARDS UNTIL EXTERIOR CONSTRUCTION IS COMPLETE.
- PROVIDE AND MAINTAIN A 4'-0" HIGH CONSTRUCTION FENCE DURING NON-WORKING HOURS THAT WILL ENCLOSE ALL OPEN EXCAVATIONS UNTIL FOUNDATION IS BACK-FILLED & FIRST FLOOR DECK IS COMPLETED.
- PROVIDE ADEQUATE TARPING AT THE END OF EACH WORK DAY OVER AREAS WHERE EXISTING ROOF MATERIALS HAVE BEEN REMOVED TO PREVENT WATER DAMAGE FROM RAINSTORMS.

GENERAL NOTE:

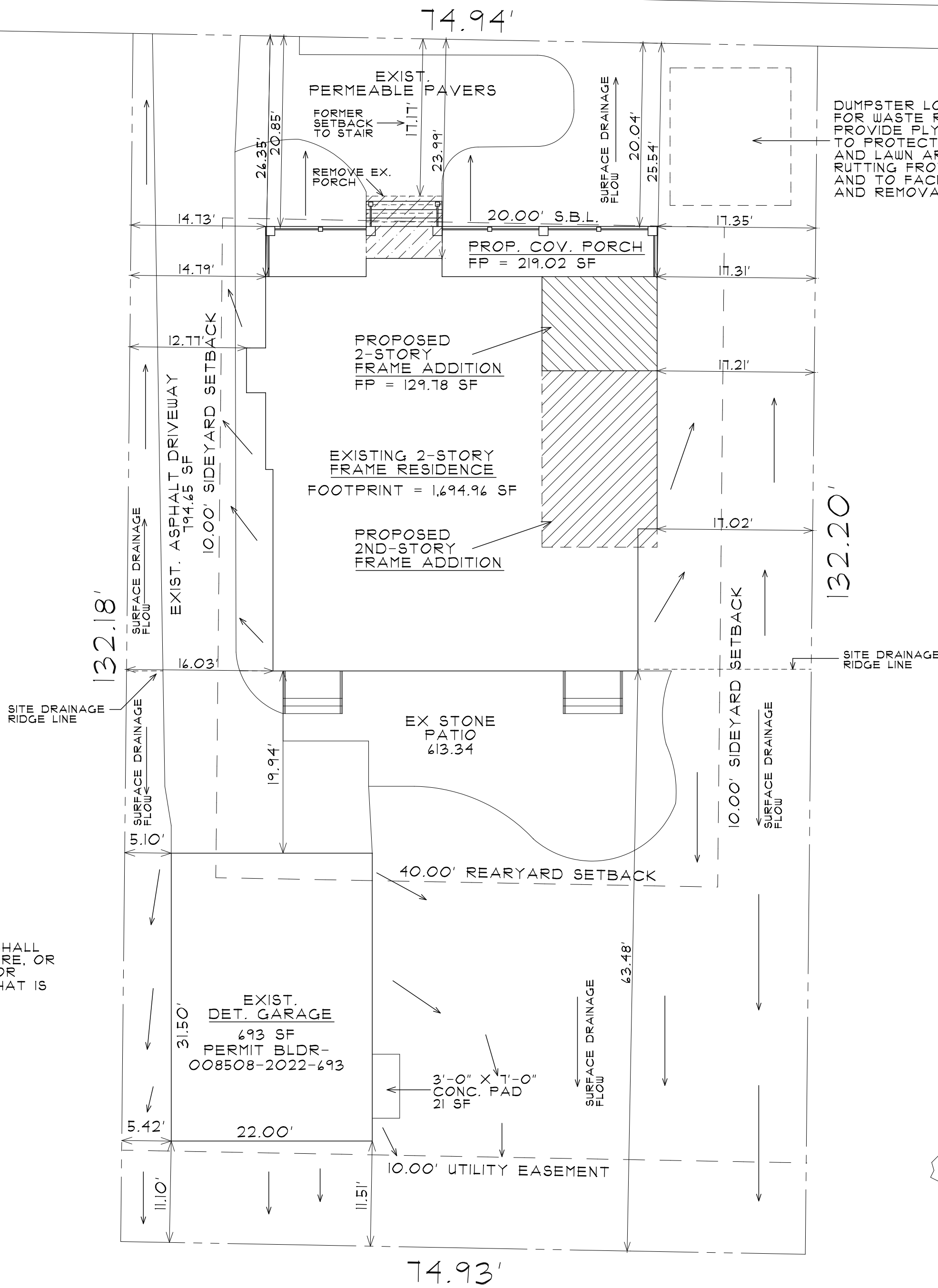
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCIES IN FIELD CONDITIONS IS TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING.
- PLEASE NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS.

STATE LAW: BEFORE DIGGING, CALL JULIE (81) OR 1-800-892-0123)  
FOR LOCATION OF PUBLIC AND PRIVATE UTILITIES AT WORK SITE. 48 HOURS NOTICE IS REQUIRED.

# CHRISTELL RESIDENCE

849 WEST KENILWORTH AVENUE  
PALATINE, ILLINOIS 60067

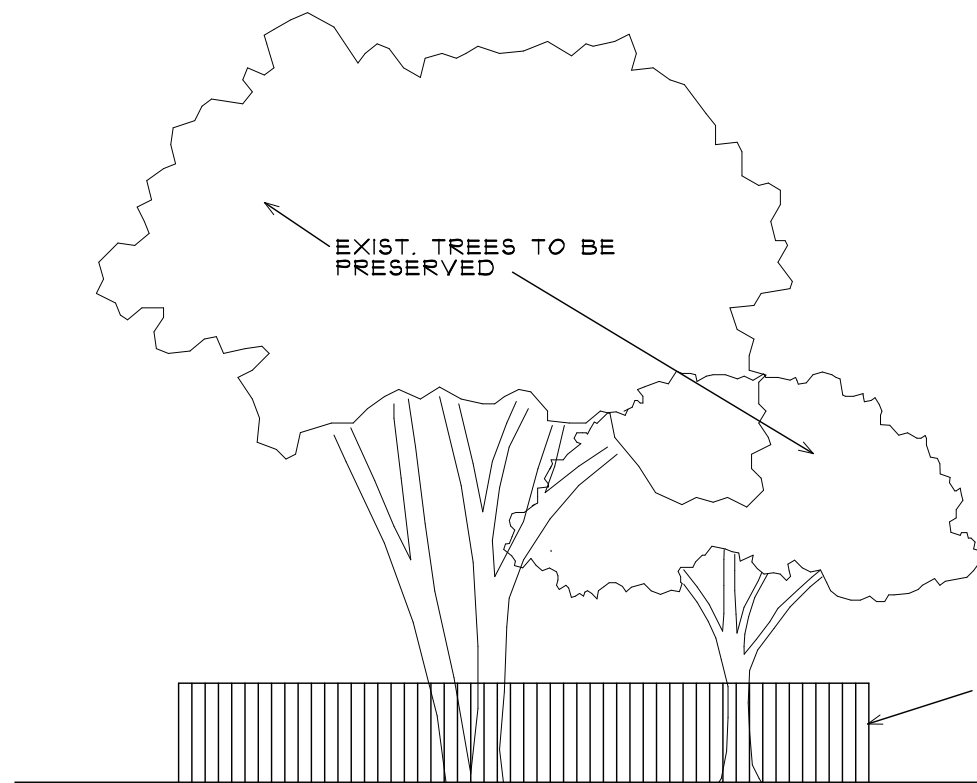
WEST KENILWORTH AVENUE



SITE PLAN

SCALE 1" = 10'-0"

NORTH



TREE PROTECTION DETAIL

NO SCALE

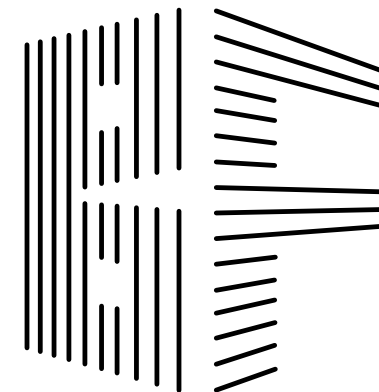
ERECT PROTECTIVE SNOWFENCE PRIOR TO ANY CONSTRUCTION ACTIVITY. DO NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE PROTECTION AREA. REMOVE THE PROTECTIVE SNOW FENCE ONLY AFTER CONSTRUCTION IS COMPLETE.

ALL TREES ARE TO BE PROTECTED DURING CONSTRUCTION WITH FENCING. FOR EVERY 1" OF TREE DIAMETER, MAINTAIN 1'-0" DISTANCE AWAY FOR FENCING.

| ZONING CALCULATIONS - [R-2] |                         |
|-----------------------------|-------------------------|
| LOCATION                    | REQUIRED AREA [SQ. FT.] |
| LOT                         | 9,907.07                |
| MAX BUILDING COVERAGE [35%] | 3,467.47                |
| PROPOSED BUILDING COVERAGE  | 2,736.76                |
| MAXIMUM LOT COVERAGE [45%]  | 4,458.18                |
| PROPOSED LOT COVERAGE       | 4,428.16                |
| LOCATION                    | PROPOSED AREA [SQ. FT.] |
| EXISTING FOOTPRINT          | 1,694.94                |
| PROPOSED 1ST FLOOR          | 129.78                  |
| EXIST. DETACHED GARAGE      | 493                     |
| PROPOSED COVERED PORCH      | 219.02                  |
| OTHER LOT COVERAGE SURFACES | 1,691.40                |

| SETBACKS - [R-2]  |                    |                    |
|-------------------|--------------------|--------------------|
| LOCATION          | REQUIRED DIMENSION | PROPOSED DIMENSION |
| FRONTYARD         | 30.00'             | 20.04'             |
| INTERIOR SIDEYARD | 10.00'             | 14.73'             |
| REARYARD          | 40.00'             | EX 43.48'          |
| HEIGHT (MEAN)     | 34'-0"<br>30'-0"   | EXIST.             |

| INDEX OF DRAWINGS |                                                          |
|-------------------|----------------------------------------------------------|
| SHEET             | DESCRIPTION                                              |
| G-1               | SITE PLAN + GENERAL NOTES                                |
| A-1               | FOUNDATION PLAN, NOTES, + DETAILS                        |
| A-2               | FIRST + SECOND FLOOR CONSTRUCTION PLANS                  |
| A-3               | EXTERIOR ELEVATIONS                                      |
| A-4               | NOTES + DETAILS                                          |
| A-5               | BUILDING SECTION + DETAILS                               |
| MEP-1             | BASEMENT PLUMBING, MECHANICAL, + ELECTRICAL PLANS        |
| MEP-2             | 1ST + 2ND FLOOR PLUMBING, MECHANICAL, + ELECTRICAL PLANS |



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CHRISTELL  
RESIDENCE

849 W.  
KENILWORTH AVE.  
PALATINE  
ILLINOIS

PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

PROJECT NO. CHR  
DRAWN BY JF

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ARCHITECTS, INC. 2023

| DATE    | DESCRIPTION |
|---------|-------------|
| 7-12-21 | PRELIMINARY |
| 8-21-21 | PRICING     |
| 7-1-22  | REVISIONS   |
| 3-12-23 | PERMIT      |

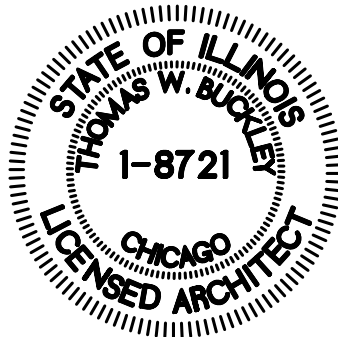
ARCHITECT'S  
CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECTION AND THAT TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.

Thomas Buckley

CERT NO. 001.008721

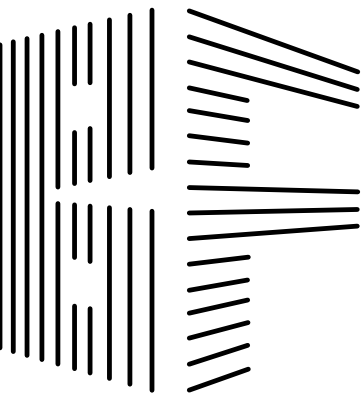
EXP. 11-30-24 DATE: 3-12-2023



G-1

OF EIGHT





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RESIDENCE

849 W.  
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ILLINOIS

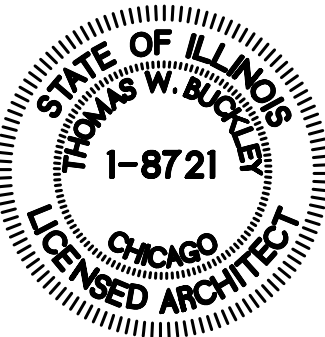
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

|             |     |
|-------------|-----|
| PROJECT NO. | CHR |
| DRAWN BY    | JF  |

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A-1

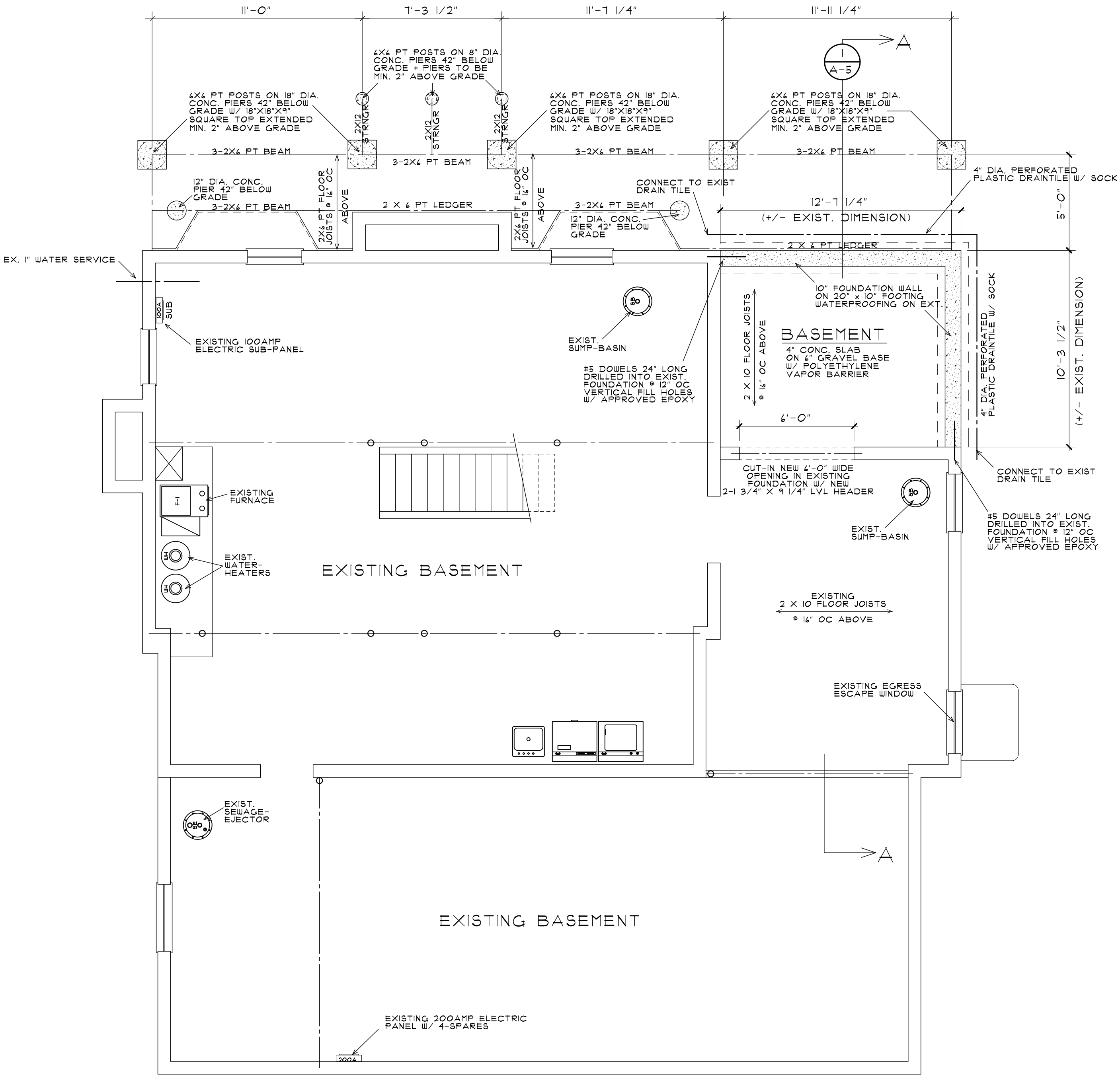
OF EIGHT

CONCRETE AND EXCAVATION

1. FOOTINGS SHALL BEAR ON UNDISTURBED, INORGANIC SOIL WITH MINIMUM BEARING CAPACITY OF 3000 PSF.
2. ALL EXCAVATED SOIL SHALL BE REMOVED FROM SITE. FOUNDATION EXCAVATION SHALL BE BACKFILLED WITH CRUSHED CONCRETE AND TOPPED WITH 12 INCHES OF TOPSOIL.
3. FOUNDATION CONCRETE TO ACHIEVE COMPRESSIVE STRENGTH OF 3000PSI AT 28 DAYS; MIN. 5 1/2 BAG MIX. SIDEWALKS, PATIOS, & STEPS TO BE AIR-ENTRAINED WITH COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. MIN. 4 BAG MIX.
4. BACK-FILL SOIL SO THAT GRADE SLOPES AWAY FROM FOUNDATION 4" WITHIN FIRST 10'-0" (MIN).
5. EXISTING GROUND ELEVATIONS WILL NOT BE ALTERED ANYWHERE ON THE SITE IN ORDER TO MAINTAIN THE EXISTING DRAINAGE PATTERN AND NOT OBSTRUCT ANY TRIBUTARY DRAINAGE FROM THE SURROUNDING PROPERTIES.
6. ALL EXCAVATED SOIL/MATERIALS NOT TO BE USED FOR BACKFILL & TO BE IMMEDIATELY REMOVED FROM SITE. NO ON-SITE STOCKPILING OF EXCAVATED MATERIALS WILL BE ALLOWED, WITH THE EXCEPTION OF TOPSOIL FOR FINAL GRADING.
7. GRAVEL BASE ON CONCRETE SLABS TO HAVE A BASIC COURSE CONSISTING OF CLEAN GRADE SAND, GRAVEL, CRUSHED STONE, OR CRUSHED BLAST-FURNACE SLAG PASSING A 2" SIEVE AND RETAINED ON 1/4" SIEVE SHALL BE PLACED ON THE PREPARED SUBGRADE WHEN THE SLAB IS BELOW GRADE. PEA GRAVEL IS NOT ALLOWED.
8. PLEASE TAKE CARE WHEN DIGGING FOR THE FOOTINGS. THE USE OF ROCK UNDER FOOTINGS CAN FACILITATE WATER ACCUMULATION UNDER THE FLOOR SLAB/BASEMENT AND CONTRIBUTE TO FLOODING AS THE GROUND WATER LEVEL RISES DURING EXTREMELY WET PERIODS. THEREFORE, CRUSHED ROCK CANNOT BE PERMITTED UNDER FOUNDATIONS UNLESS A SOILS REPORT BY AN ILLINOIS LICENSED SOILS ENGINEER SPECIFICALLY ADDRESSES THE EXISTING AND POTENTIAL HIGH LEVELS OF GROUND WATER TABLE AND ADEQUATE PREVENTIVE MEASURES TO PROTECT THE HOMEOWNER.
9. CONTROL JOINTS FOR 4" SLABS SHALL BE AT A MAXIMUM OF 8' INTERVALS.
10. FIELD VERIFY SAW CUT CONTROL JOINTS ARE INSTALLED WITHIN 24 HOURS OF FINAL FINISHING OF CONC.
11. A WRITTEN RECORD PROVIDED FROM THE MATERIAL SUPPLIER SHALL BE PROVIDED TO THE LOCAL AUTHORITY UPON COMPLETION OF DELIVERY OF CONCRETE. THE RECORDS SHALL CONTAIN THE FOLLOWING:
  - A. TIME THAT WATER WAS INTRODUCED TO THE CONC. MIX
  - B. TIME AT THE END OF THE CONCRETE POUR
  - C. CEMENT MIX RATIO
  - D. AMOUNT OF WATER ADDED ON SITE
  - E. TOTAL NUMBER OF DRUM REVOLUTIONS
  - F. AMOUNT OF CHLORIDE ADDED TO THE CEMENT MIX
  - G. AMOUNT OF ADMIXTURES IN CEMENT MIX
  - H. AIR CONTENT OF CEMENT MIX

WALL LEGEND - SUB-LEVEL

| LOCATION        | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                                                                   |
|-----------------|--------|-------------|--------------|-----------------------------------------------------------------------------------------------|
| EXTERIOR<br>(1) | ---    | ---         |              | 10" CONCRETE FOUNDATION WALL<br>w/ 2" #5 TOP MIDDLE + BOTTOM ON<br>20" X 10" CONCRETE FOOTING |

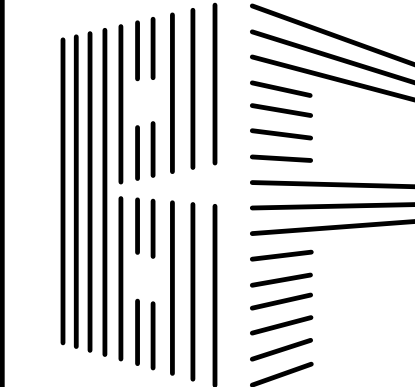


FOUNDATION PLAN

SCALE 1/4" = 1'-0"







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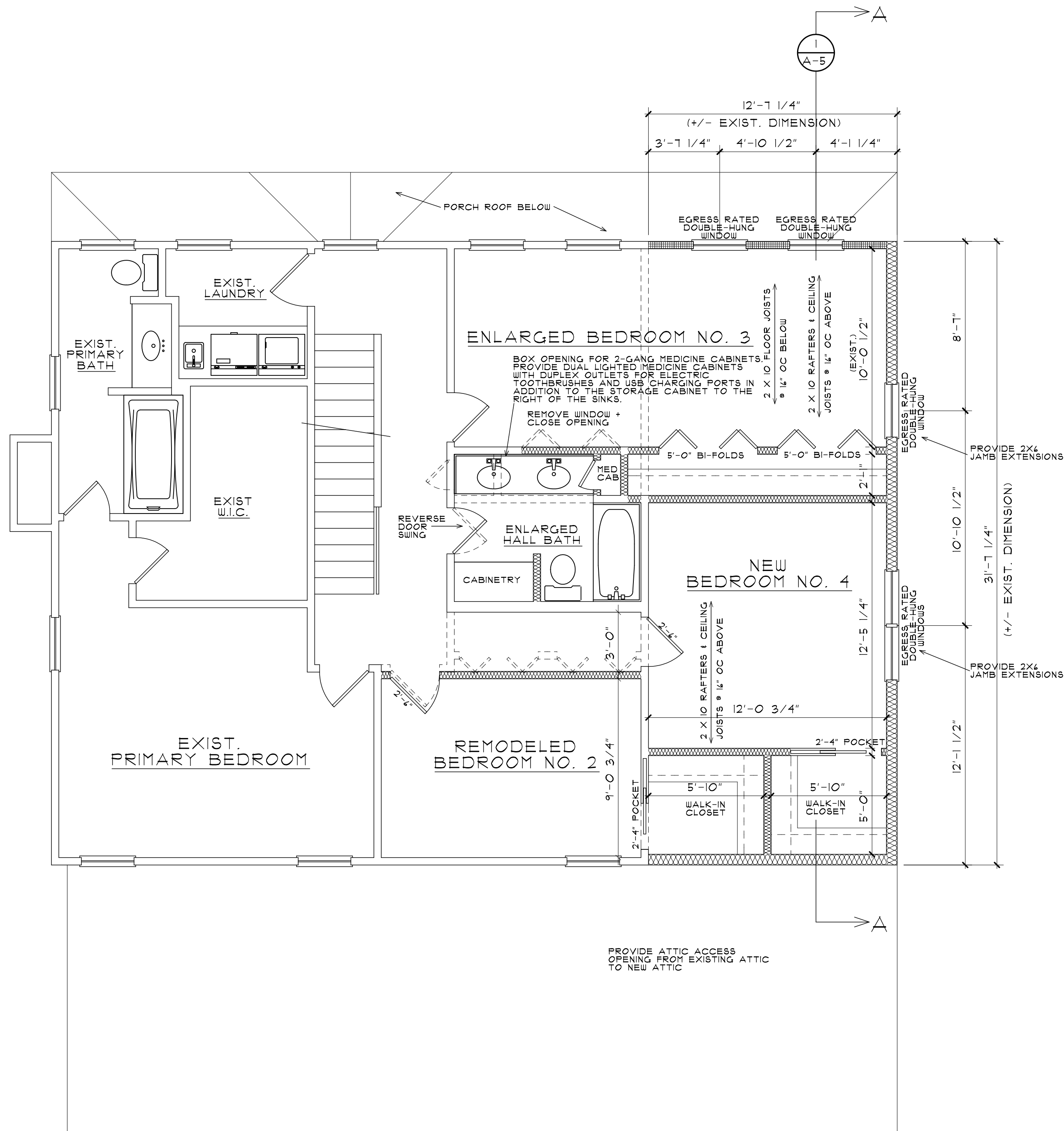
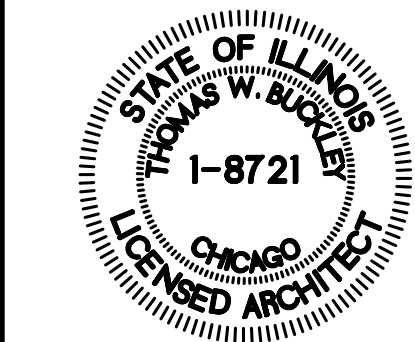
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

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SECOND FLOOR CONSTRUCTION PLAN

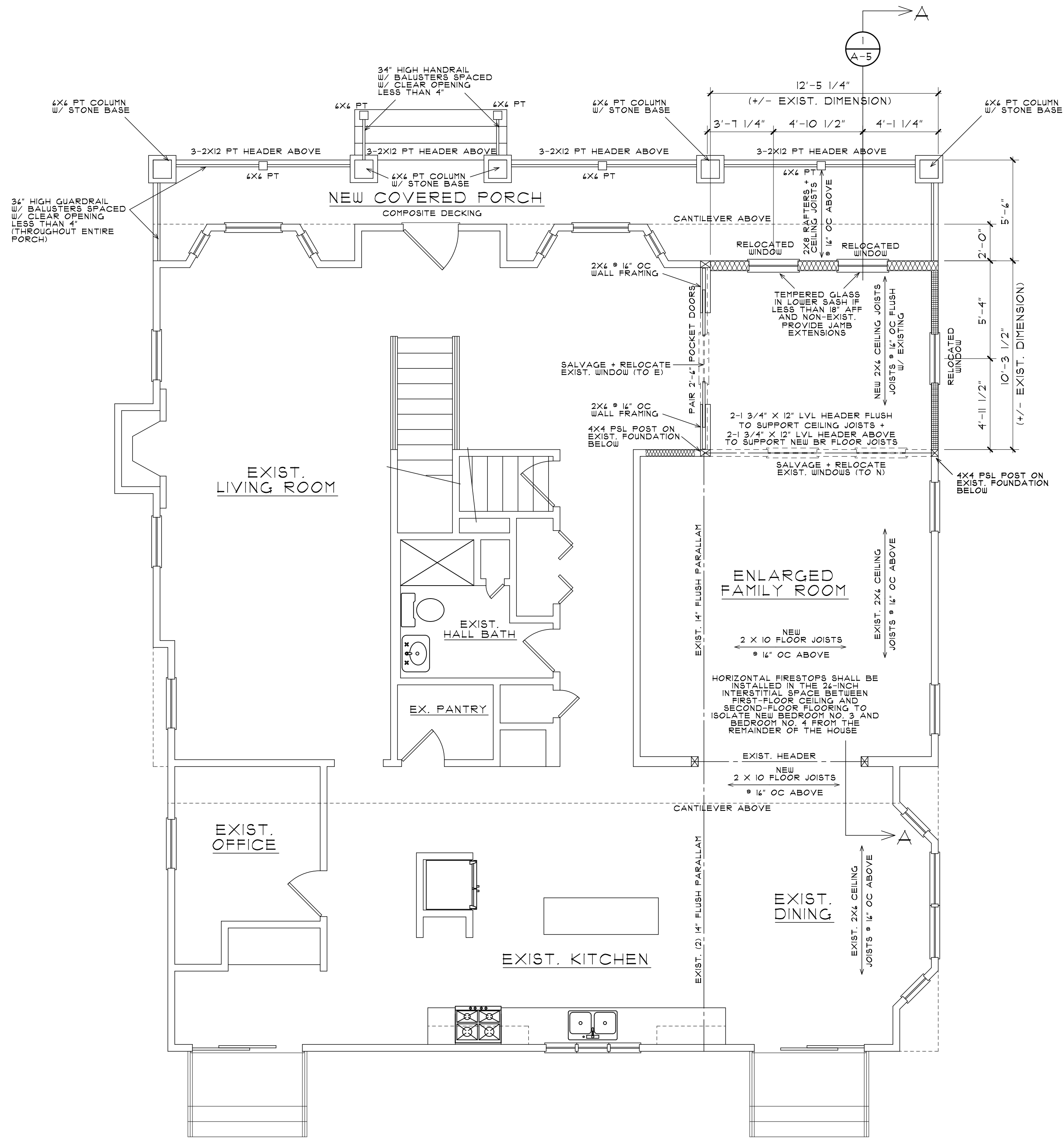
SCALE 1/4" = 1'-0"



| ATTIC VENTILATION CALCS:                                                                                        |                        |               |
|-----------------------------------------------------------------------------------------------------------------|------------------------|---------------|
|                                                                                                                 | REQUIRED               | ACTUAL        |
| 1/300 OF CEILING AREA.                                                                                          | 400 / 300 = 1.33 SF    |               |
|                                                                                                                 | 1.83 x 144 = 192 SQ.IN |               |
| 50% - 40% SOFFIT                                                                                                |                        |               |
| 40% - 50% RIDGE/UPPER                                                                                           |                        |               |
| SOFFIT                                                                                                          |                        |               |
| 4" x 12" SOFFIT VENTS                                                                                           |                        | 3 X 48 = 144  |
| RIDGE/UPPER                                                                                                     |                        |               |
| 1" SLOT OPENING FOR RIDGE VENT                                                                                  |                        | 1 X 120 = 120 |
| TOTAL VENTING PROVIDED                                                                                          |                        | 264           |
| TOTAL SOFFIT VENTING PROVIDED                                                                                   |                        | 144 (54.5%)   |
| TOTAL RIDGE/UPPER PROVIDED                                                                                      |                        | 120 (45.5%)   |
| RIDGE VENT TO BE COVERED WITH CORROSION-RESISTANT MESH OR OTHER APPROVED MATERIAL WITH OPENING NOT MORE THAN 1" |                        |               |

R905.1.2 ICE BARRIERS

IN AREAS WHERE THERE HAS BEEN A HISTORY OF ICE FORMING ALONG THE EAVES CAUSING A BACKUP OF WATER AS DESIGNATED IN TABLE R901.2(1), AN ICE BARRIER SHALL BE INSTALLED FOR ASPHALT SHINGLES, METAL ROOF SHINGLES, MINERAL-SURFACED ROLL ROOFING, SLATE AND SLATE-TYPE SHINGLES, WOOD SHINGLES AND WOOD SHAKES. THE ICE BARRIER SHALL CONSIST OF NOT FEWER THAN TWO LAYERS OF UNDERLAYMENT CEMENTED TOGETHER, OR A SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN PLACE OF NORMAL UNDERLAYMENT AND EXTEND FROM THE LOWEST EDGES OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES (610 MM) INSIDE THE EXTERIOR WALL LINE OF THE BUILDING. ON ROOFS WITH SLOPE EQUAL TO OR GREATER THAN 8 UNITS VERTICAL IN 12 UNITS HORIZONTAL, THE ICE BARRIER SHALL ALSO BE APPLIED NOT LESS THAN 36 INCHES (915 MM) MEASURED ALONG THE ROOF SLOPE FROM THE EAVE EDGE OF THE BUILDING.



FIRST FLOOR CONSTRUCTION PLAN

SCALE 1/4" = 1'-0"



| LIGHT + VENT SCHEDULE  |      |                     |        |                     |        |
|------------------------|------|---------------------|--------|---------------------|--------|
| ROOM                   | AREA | LIGHT               |        | VENT                |        |
|                        |      | REQUIRED<br>8% AREA | ACTUAL | REQUIRED<br>4% AREA | ACTUAL |
| ENLARGED FAMILY ROOM   | 383  | 30.6                | 15     | 15.3                | 31.5   |
| ENLARGED BEDROOM NO. 3 | 220  | 17.6                | 65     | 8.8                 | 32.5   |
| NEW BEDROOM NO. 4      | 150  | 12.0                | 24     | 6.0                 | 13     |
| REMODELED HALL BATH    | 65   | ---                 | ---    | 45CFM               | 10CFM  |

| WALL LEGEND                  |        |             |              |                                                                                                |
|------------------------------|--------|-------------|--------------|------------------------------------------------------------------------------------------------|
| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                                                                    |
| EXTERIOR                     | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL (INT) OSB (EXT) (R-21 CAVITY INSULATION)                 |
| EXTERIOR (GARAGE)            | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL (INT) OSB (EXT) (CLOSED-CELL SPRAY-FOAM INSULATION R-21) |
| INTERIOR-I                   | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL EA FACE                                                  |
| EXISTING WALLS TO REMAIN     |        |             |              | EXISTING WALL CONSTRUCTION                                                                     |
| EXISTING WALLS TO BE REMOVED |        |             |              | EXISTING WALL CONSTRUCTION                                                                     |



ELEVATION NOTES:

1. WINDOW SIZES BASED ON FRAME SIZES; ROUGH OPENINGS TO BE VERIFIED W/ CHOSEN WINDOW MANUF. & CONTRACTOR PRIOR TO CONSTRUCTION
2. FRAME SIZES TO BE FOLLOWED AS CLOSE AS POSSIBLE PER DIFFERENT MANUF.
3. BEDROOM WINDOWS TO HAVE EGRESS HARDWARE & FOLLOW EGRESS REQ'MNTS AS LABELED ON ELEVATIONS.
4. WINDOWS IN WHICH THE BOTTOM EDGE OF THE WINDOW IS LESS THAN 18" ABOVE THE TOP OF THE FLOOR ARE REQUIRED TO BE TEMPERED.
5. EXISTING WINDOWS WHICH ARE TO BE REMOVED & REPLACED SHALL BE VERIFIED IN THE FIELD FOR SIZES.
6. FIELD VERIFY EMERGENCY ESCAPE & RESCUE OPENINGS IN SLEEPING ROOMS

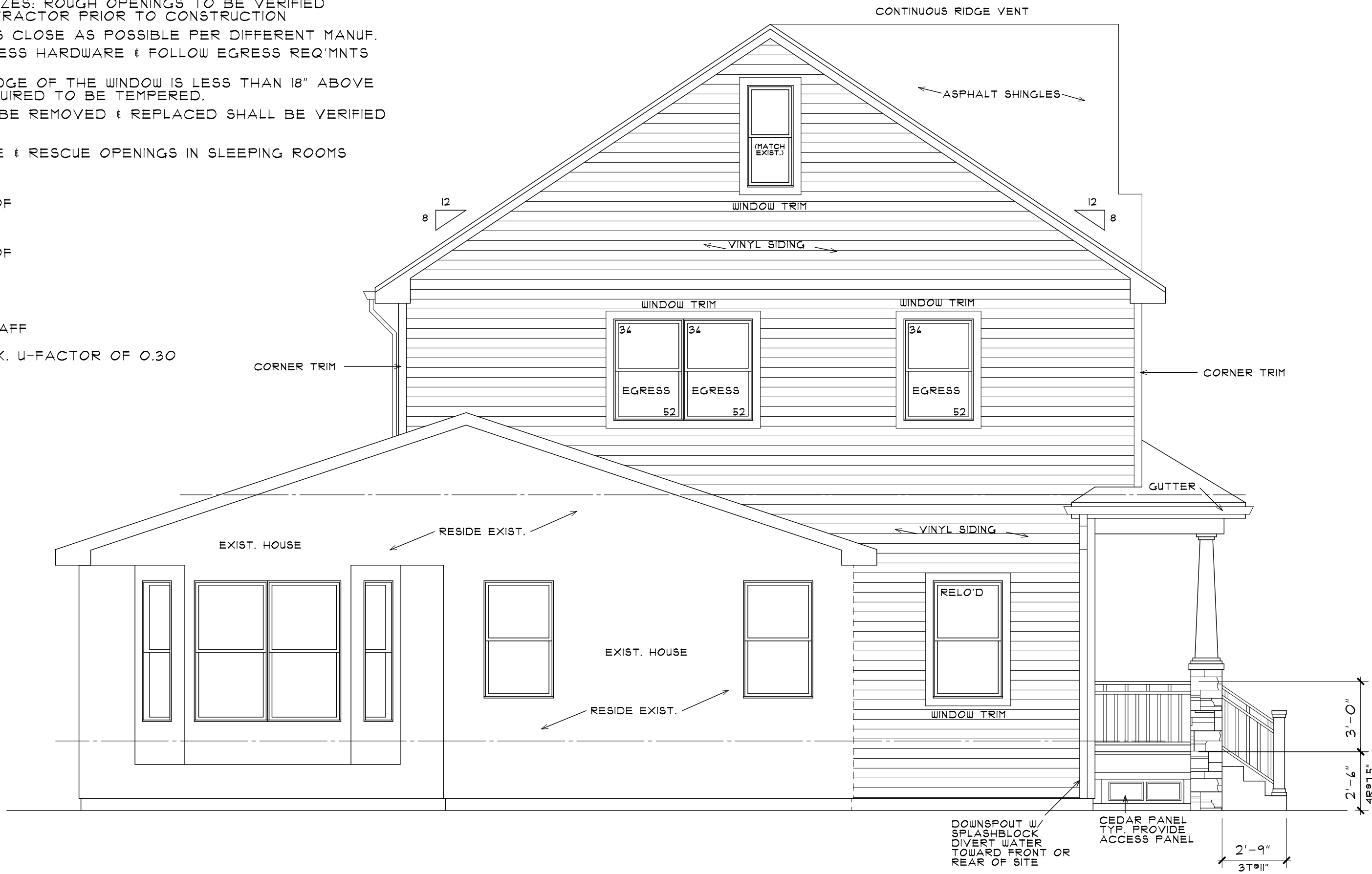
EGRESS WINDOW REQUIREMENTS

PROVIDE A NET CLEAR OPENING OF 5.7 SF OR GREATER, ACHIEVED BY SIMPLY OPENING THE WINDOW

PROVIDE A NET CLEAR OPENING OF 5.0 SF OR GREATER, FOR GRADE LEVEL WINDOWS

A MINIMUM CLEAR WIDTH OF 20"  
A MINIMUM CLEAR HEIGHT OF 24"  
A SILL HEIGHT OF LESS THAN 44" AFF

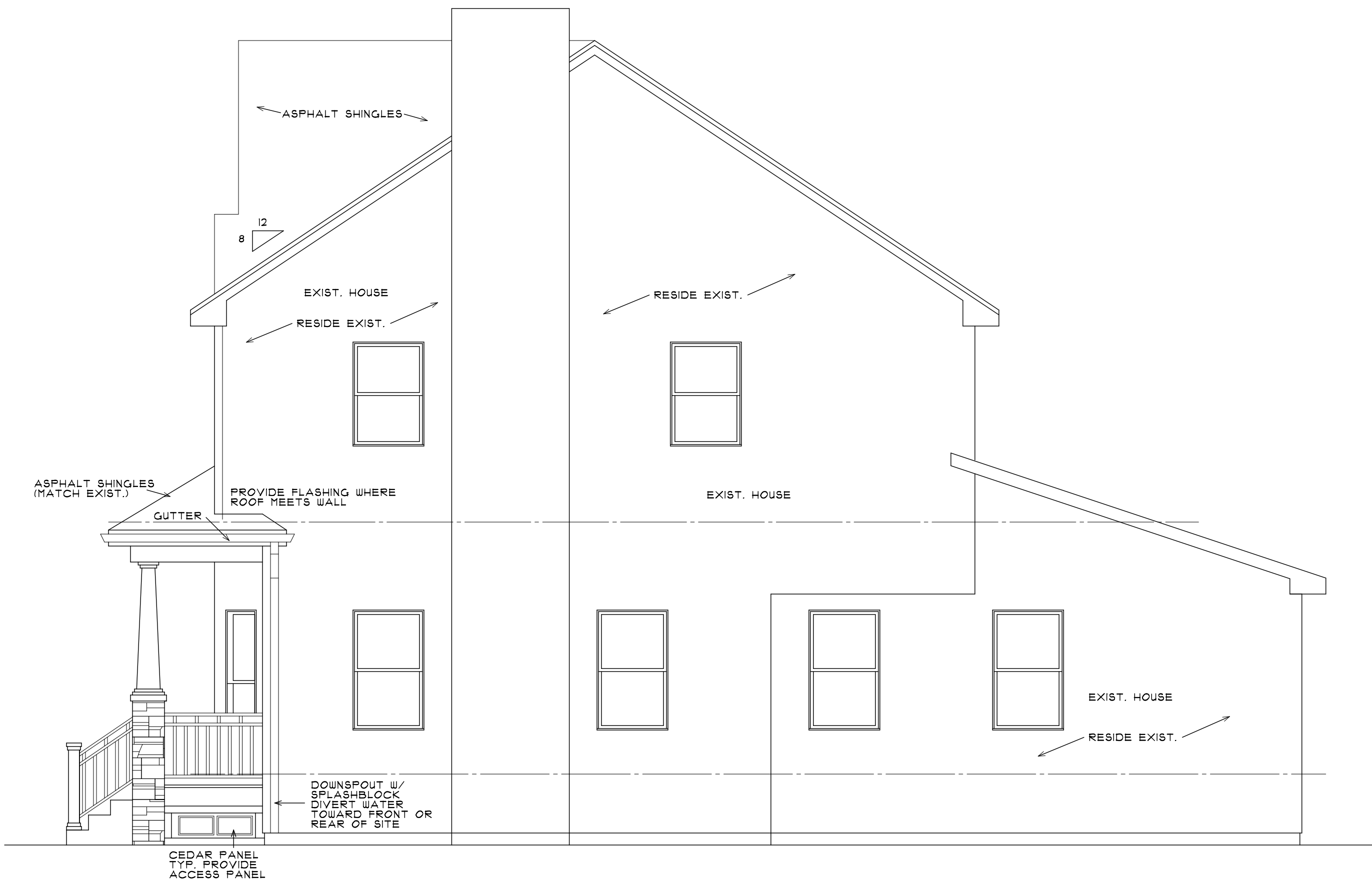
7. ALL NEW WINDOWS TO HAVE A MAX. U-FACTOR OF 0.30



EAST ELEVATION

SCALE 1/4" = 1'-0"

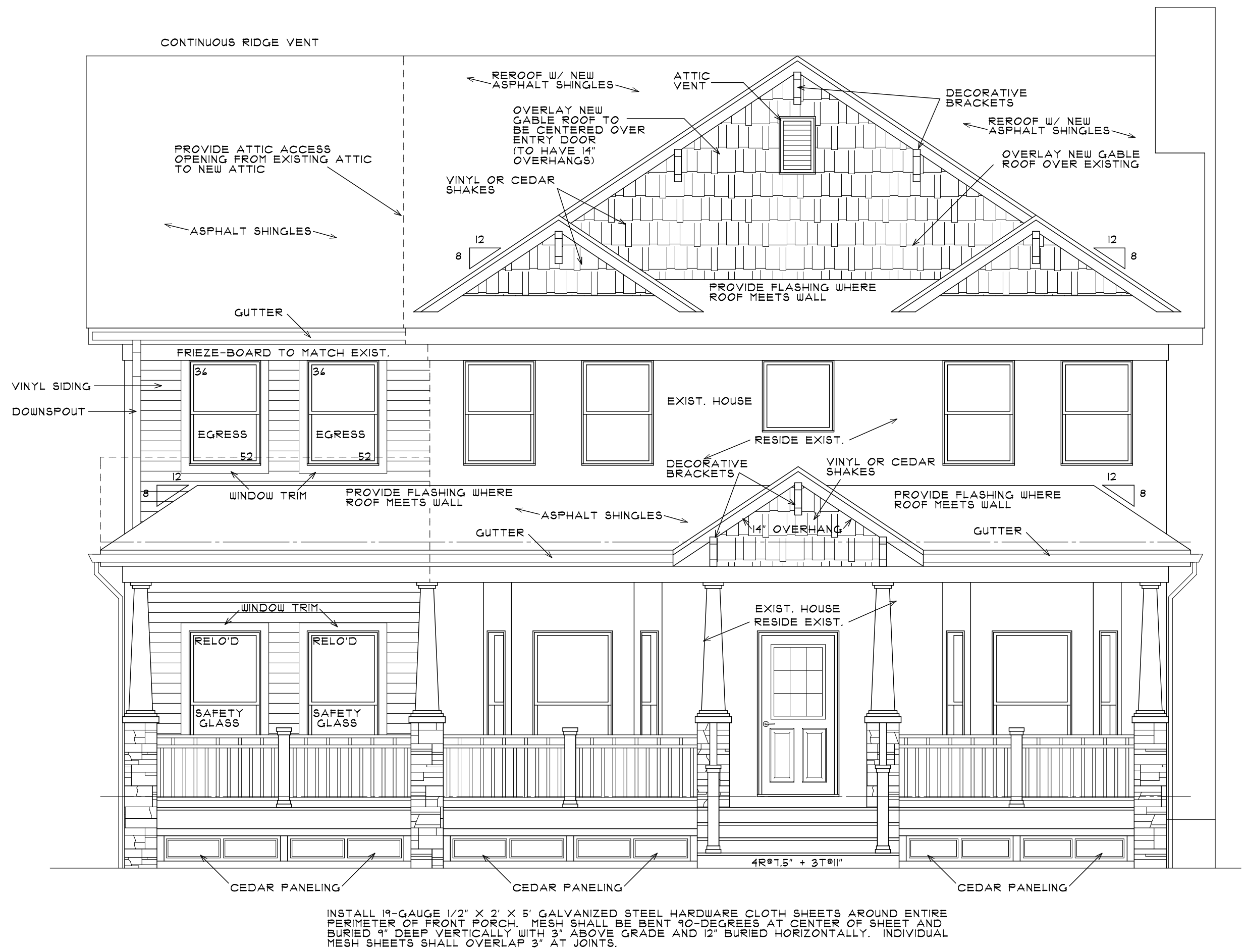
REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING



WEST ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING

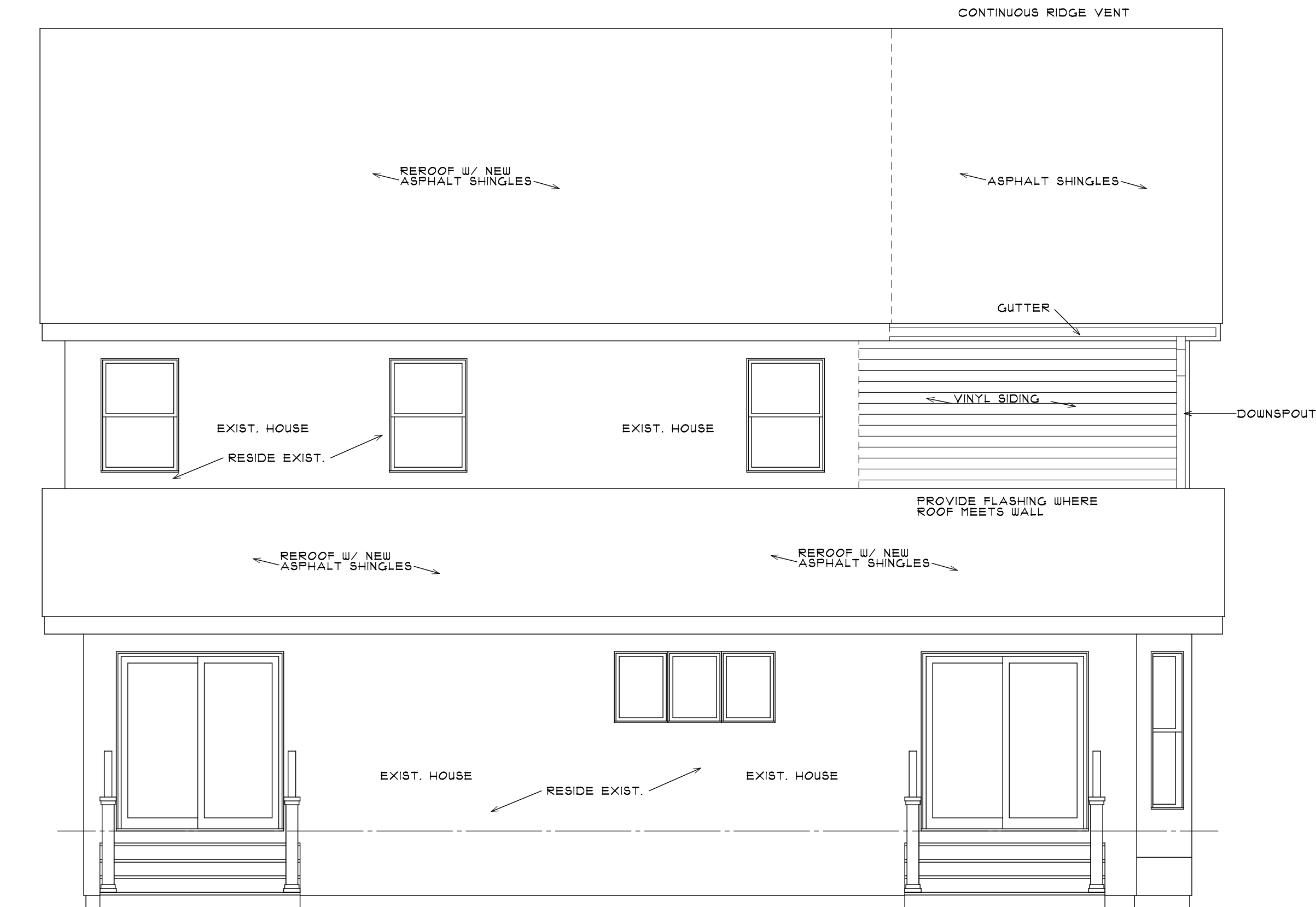


NORTH ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING

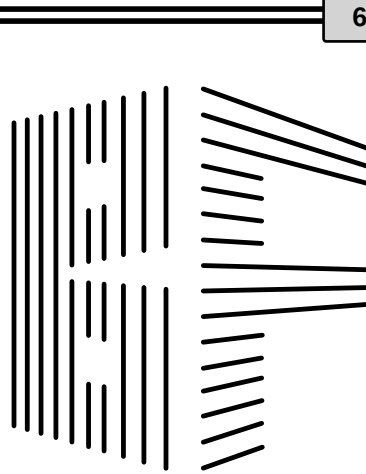
INSTALL NUMBER OR ADDRESS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET ABOVE THE FRONT DOOR.  
TYPICALLY 4" - 6" HIGH LETTERS, COLOR CONTRASTING W/ A BACKGROUND.



SOUTH ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING



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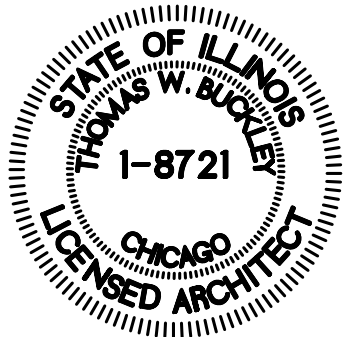
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ENERGY CONSERVATION NOTE:

1. A PERMANENT CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED. A UTILITY ROOM OR AN APPROVED LOCATION IN THE BUILDING. IT SHALL LIST THE R-VALUES OF INSULATION INSTALLED, U-FACTORS OF GLAZING, DUCT TESTING & BLOWER TEST RESULTS. (2018 IECC R401.3)

FIRE PROTECTION

1. PROVIDE FIRE-BLOCKING CONFORMING TO IRC R402.8
2. IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF FLOOR/CEILING ASSEMBLY, DRAFT STOPPING SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 500 SQ FT OR 25 FT IN ANY HORIZONTAL DIRECTION. DRAFT STOPPING SHALL BE DIVIDED IN EQUAL AREAS.
3. FIRESTOPPING TO BE INSTALLED AT ALL PLATE PENETRATIONS, SOFFITS, FURRED SPACES CONCEALED SPACES, ETC. AS PER THE BUILDING CODE.
4. FIREBLOCKING SHALL BE IN THE FOLLOWING LOCATIONS:  
I) IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS:  
- A) VERTICALLY AT THE CEILING AND FLOOR LEVELS  
- B) HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET  
2) AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES FOR SOFFITS, DROP CEILINGS AND COVER CEILINGS, ETC.  
3) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN  
4) AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT THE CEILING AND FLOOR LEVELS (SECTION: IRC R302.11)
5. WHEN ALTERATIONS, REPAIRS OR ADDITIONS REQUIRING A PERMIT OCCUR, THE ENTIRE BUILDING SHALL BE PROVIDED WITH SMOKE DETECTORS LOCATED AS REQUIRED FOR NEW DWELLINGS. (IRC R 311.1.1) SMOKE DETECTORS SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA VICINITY OF BEDROOMS & ON EACH ADDITIONAL STORY INCLUDING BASEMENTS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN SPLIT LEVEL HOMES A SMOKE DETECTOR NEED BE INSTALLED ON UPPER LEVEL IF LOWER LEVEL IS LESS THAN FULL STORY BELOW. SMOKE DETECTORS SHALL HAVE BATTERY BACKUP (IRC R311.1) VERIFY EXISTING, ADD AS NEEDED. IN AREAS WHERE NO OTHER WORK IS DONE WE WILL CONSIDER USING BATTERY ONLY DEVICES. SMOKE DETECTORS IN EXISTING AREAS ARE NOT TO BE HARDED.
6. FOAM PLASTIC FINISHES AND CORES SHALL BE IGNITION PROTECTED OR HAVE A FLAME SPREAD RATING OF NOT MORE THAN 15 AND SMOKE-DEVELOPED RATING OF NOT MORE THAN 450 WHEN TESTED IN MAX. THICKNESS INTENDED FOR USE. (IRC R318.1.1) THE APPROVED TESTES: ASTM E 83, FM 4880, UL 41040, ASTM E 152 OR UL 1115. (R318.3)

STRUCTURAL

1. ALL WALLS WILL BE PROVIDED WITH A DOUBLE TOP PLATE LAPPED AT THE CORNERS.
2. CONSTRUCTION LUMBER TO BE SPF CONSTRUCTION GRADE NO. 2  
F<sub>e</sub> = 1000 PSI MODULUS OF ELASTICITY 1,000,000
3. LUMBER WITH SPANS GREATER THAN 20' TO BE DOUGLAS FIR CONSTRUCTION GRADE NO. 2  
F<sub>e</sub> = 1200 PSI MODULUS OF ELASTICITY 1,000,000
4. ALL BEARING PARTITIONS W/ PIPES LARGER THAN 3/4" AND ALL NON-BEARING PARTITIONS W/ PIPES LARGER THAN 1 1/4" SHALL BE INCREASED TO A MIN. 2 X 4 STUD WALL TO APPROPRIATELY ACCOMMODATE THE MAX. NOTCHING AND BORING RESTRICTIONS.
5. ALL INTERIOR WALL FRAMING, UNLESS OTHERWISE NOTED, TO BE 2 x 4 STUDS @ 16" OC W/ 1/2" DRYWALL EACH SIDE.
6. PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS. OPENINGS IN FLOOR CONSTRUCTION SHALL BE FRAMED WITH DOUBLE HEADER AND TRIMMER JOISTS. PROVIDE JOIST HANGERS AS REQUIRED.
7. PROVIDE 2 - 2 X 12 HEADER WITH 1/2" PLYWOOD AND SINGLE CRIPPLE FOR SPANS UP TO 4'. SEE PLAN FOR SPANS GREATER THAN 4'; PROVIDE DOUBLE CRIPPLE FOR SPANS EXCEEDING 4'.
8. ALL RAFTER TIES SHALL BE PROVIDED IN ACCORDANCE WITH IRC R802.11.1. RESULTING UPLIFT FORCES FROM THE TIES SHALL BE TRANSMITTED TO THE FOUNDATION.
9. RIDGE BOARD SHALL BE AT LEAST TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER, VALLEY & HIP RAFTERS SHALL NOT BE LESS THAN TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTERS.
10. HIP RAFTERS TO BE SUPPORTED AT THE RIDGE BY A BRACE TO A BEARING PARTITION OR BE DESIGNED TO CARRY & DISTRIBUTE THE SPECIFIC LOAD AT THAT POINT.
11. CUTS, NOTCHES AND HOLES BORED IN TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH ARE SPECIFICALLY ADDRESSED. (SECTION: R502.8.2)
12. EXTERIOR OR LOAD BEARING WALLS WITH PLATES CUT, DRILLED OR NOTCHED MORE THAN 50% OF THE WIDTH OF THE STUD SHALL HAVE A GALVANIZED METAL TIE 1/4 GAGE AND 1 1/2 INCHES (1 1/2") WIDE FASTENED TO EACH PLATE. (SECTION: R402.6.1)
13. EXTERIOR OR LOAD BEARING WALLS WITH STUDS DRILLED WITHIN 5/8" OF THE FACE OF THE STUD SHALL BE REINFORCED WITH A STRUCTURAL STUD SHOE. (SECTION R402.6)
14. ALL PLUMBING WALLS WITH DRAIN, WASTE AND VENT PIPING RUNNING HORIZONTALLY SHALL BE FRAMED W/ 2X4 STUDS.

THERMAL AND MOISTURE PROTECTION

- ROOFING:
1. SHINGLES SHALL COMPLY W/ASTM D225 OR D3442. PROVIDE NO LESS THAN 4 NON-CORROSIVE FASTENERS PER STRIP. BASE FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK OR MINERAL SURFACE ROLL 11#/100 SF. CAP FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK, OPEN VALLEYS TO BE LINED W/ METAL 24" (MIN.) WIDE OR 2 PLIES OF MINERAL SURFACE ROLL 36" (MIN.) WIDE, CLOSE VALLEY THE SAME AS OPEN VALLEY OR ONE PLY MIN. 36" WIDE.
2. ICE AND WATER SHIELD IS REQUIRED IN ALL VALLEYS (UP 18" ON EACH SIDE) AND ON EAVES. A MINIMUM OF 2'-0" BEYOND THE INTERIOR WALL LINE.
3. R-VALUE SHALL BE INDICATED ON INSULATION OR CERTIFICATION OF THE INSTALLED R-VALUE SHALL BE PROVIDED AT THE JOB SITE BY THE INSULATION INSTALLER.
4. GLAZING: MAXIMUM ALLOWED GLAZING U FACTOR IS .30 (BTU/HR\*FT2\*F) GLAZING U-FACTOR SHALL BE SHOWN ON THE WINDOW LABEL DURING INSPECTION
5. AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR SEALED BOXES SHALL BE INSTALLED.
6. ACCESS DOORS FROM CONDITIONED TO UNCONDITIONED SPACE SHALL BE WEATHER-STRIPPED AND AND INSULATED TO A LEVEL EQUIVALENT TO INSULATION ON THE SURROUNDING SURFACES.
7. FENESTRATION SHALL BE LISTED AND LABELED BY THE MANUFACTURER. THE MAX AIR INFILTRATION OF WINDOWS, SKYLIGHTS, AND SLIDING GLASS DOORS IS 0.3 CFM PER SQ FT, MAX AIR INFILTRATION OF SWINGING DOORS IS 0.5 CFM PER SQ FT.
8. WHERE EAVE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MINIMUM OF A ONE-INCH (1") SPACE SHALL BE PROVIDED BETWEEN THE INSULATION & THE ROOF SHEATHING AT THE LOCATION OF THE VENT.
9. THE VAPOR BARRIER SHALL BE LAPPED 12 INCHES AND THE SEAMS SEALED WITH COMPATIBLE GLUES.

| DOOR + WINDOW WOOD HEADER SIZES<br>(UNLESS NOTED DIFFERENTLY ON PLANS) |                                               |                                               |        |
|------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------|
| SPAN/OPENING                                                           | HEADER SIZE                                   | # JACKS                                       |        |
| LESS THAN 3'                                                           | 2-2X6s                                        | 2                                             |        |
| 3' - 3'-8"                                                             | 2-2X8s                                        | 2                                             |        |
| 3'-8" - 4'-6"                                                          | 2-2X10s                                       | 2                                             |        |
| 4'-6" - 5'-6"                                                          | 2-2X12s                                       | 2                                             |        |
| GREATER THAN 5'-6"                                                     | SEE PLAN                                      | 2                                             |        |
| WOOD HEADER/BEAM SUPPORT COLUMNS                                       |                                               |                                               |        |
| BEAM/HEADER                                                            | COLUMN<br>(IN 2X4 WALL)                       | COLUMN<br>(IN 2X6 WALL)                       | DETAIL |
| DIMENSIONAL LUMBER (2X12X10X2X8,2X6,2X4)                               | (EA END)<br>(1/2)X4 JACK<br>2X4 KING STUD     | (EA END)<br>(1/2)X4 JACK<br>2X6 KING STUD     |        |
| 2-1 3/4" LVLs                                                          | (ONE EA END)<br>4X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>4X4 PSL POST<br>2X6 KING STUD |        |
| 3-1 3/4" LVLs                                                          | (ONE EA END)<br>6X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>6X6 PSL POST<br>2X6 KING STUD |        |

ELECTRICAL

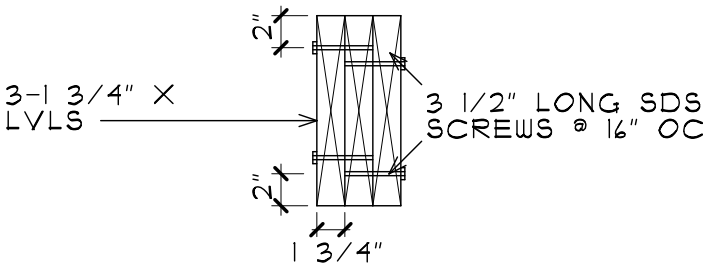
1. ALL WIRING 25 VOLTS OR GREATER TO BE IN ELECTRIC METALLIC TUBING. PVC IS NOT PERMITTED.
2. CEILING FANS BELOW 35# TO BE SUPPORTED FROM APPROVED OUTLET BOX OR DIRECTLY FROM STRUCTURE. CEILING FANS ABOVE 35# TO BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX.
3. ALL RECEPTACLES REQUIRE A PIGTAIL GROUNDING WIRE TO THE BOX.
4. RECEPTACLE RATING FOR A 20 AMP CIRCUIT SHALL BE 20 AMPS.
5. EACH GENERAL LIGHTING CIRCUIT SHALL NOT HAVE MORE THAN 10 POWER CONSUMING DEVICES CONNECTED TO IT. THE CIRCUIT BREAKER SHALL NOT EXCEED 15 AMPS.
6. PROVIDE A GROUND WIRE IN ALL RACEWAYS.
7. ALL SMOKE DETECTORS ARE REQUIRED TO BE 110V BATTERY BACK-UP, INTERCONNECTED AND WIRED TO A GENERAL LIGHTING CIRCUIT.
8. ELECTRICAL RECEPTACLES ARE REQUIRED TO BE SELF-GROUNDING.
9. ALL ELECTRICAL CONDUCTORS ARE TO BE SOLID OR STRANDED COPPER IN ELECTRICAL METALLIC TUBING.
10. RECEPTACLE SPACING SHALL BE PROVIDED WITHIN 4'-0" OF EVERY OPENING, EVERY 12'-0" THEREAFTER AND ON ANY WALL 2'-0" WIDE OR WIDER.
11. SURFACE MOUNTED INCANDESCENT FIXTURES INSTALLED NO CLOSER THAN 12" TO THE NEAREST STORAGE SPACE. SURFACE MOUNTED FLUORESCENT FIXTURES INSTALLED NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE. RECESSED INCANDESCENT AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE
12. ALL 120-VOLT, SINGLE PHASE, 15-20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS REQUIRE AFCI PROTECTION.
13. ALL NEW 125 VOLT, 15- AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
14. BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY AT LEAST ONE 20 AMP BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
15. RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC RATED AND LABELED AS MEETING ASTM E 283 WHEN TESTED AT 1ST PSF (15 PA) PRESSURE DIFFERENTIAL W/ NO MORE THAN 2.0 CFM (0.944 L/S) OF AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE CEILING CAVITY. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.
16. ALL CEILING BOXES IN HABITABLE AREAS SHALL BE LISTED & APPROVED FOR FAN INSTALLATIONS.
17. ALL RECEPTACLES LOCATED IN A PORTION OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS SHALL BE GFCI PROTECTED.
18. INSTALL CARBON MONOXIDE ALARMS WITHIN 15 FEET OF EVERY ROOM USED FOR SLEEPING PURPOSES
19. A MIN. OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.
20. SMOKE DETECTORS TO BE LOCATED A MINIMUM OF 3 FT FROM THE TIP OF CEILING FAN BLADES AND A MIN. 3 FT FROM THE ENTRANCE TO A BATHROOM, KITCHEN, OR LAUNDRY.
21. FIELD VERIFY ALL LOW VOLTAGE WIRING, PHONE, DOORBELL, THERMOSTAT, FIRE AND BURGLAR IS INSTALLED IN CONDUIT WHERE SUCH WIRING WILL BE RENDERED INACCESSIBLE BY FINISHED MATERIALS, OR WHERE SUBJECT TO PHYSICAL DAMAGE.
22. PROVIDE TAMPER-RESISTANT WALL RECEPTACLE OUTLETS IN ALL BEDROOMS.
23. PROVIDE A NEUTRAL WIRE AT EACH SWITCH BOX LOCATION.
24. 14AWG CU CONDUCTORS CANNOT BE USED FOR A BRANCH CIRCUIT LARGER THAN 15A.
25. LUMINAIRES LOCATED ABOVE SHOWERS & ABOVE TUBS WITH SHOWERS SHALL BE MARKED BY THE MANUFACTURER S SUITABLE FOR USE IN "WET" LOCATIONS, AND LUMINAIRES LOCATED ABOVE BATHTUBS, AND WITHIN 3 FEET OF THE EDGE OF THE TUB RIM ARE TO BE MARKED BY THE MANUFACTURER AS SUITABLE FOR USE IN "DAMP" LOCATIONS.
26. WHERE A LIGHTING OUTLET INSTALLED IN THE CEILING OF A DWELLING UNIT IS LOCATED SUCH THAT THE LOCATION MAKES IT FEASIBLE TO ATTACH A CEILING FAN TO THE OUTLET BOX, THE OUTLET BOX SHALL BE FAN RATED, REGARDLESS OF THE INITIAL INTENTIONS OF USE FOR THE OUTLET BOX. (NEC 314.3(A) INCLUDING ALL CEILING LIGHTS CENTERED IN A ROOM/SPACE.

HVAC

1. SUPPLY AND RETURN DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED TO A MIN. OF R-8 WHERE 3 INCHES OR LARGER AND R-6 WHERE LESS THAN 3 INCHES IN DIAMETER. ALL OTHER DUCTS SHALL BE INSULATED TO A MIN. OF R-6 WHERE 3 INCHES AND LARGER AND R-4.2 WHERE LESS THAN 3 INCHES. (IECC R403.3.1)
2. THE HVAC SYSTEM SHALL BE CONTROLLED BY A PROGRAMMABLE THERMOSTAT. (R403.1)
3. ALL DUCTWORK TO BE INSTALLED TO CODE PER IMC 403 & IECC 503.
4. MAXIMUM LENGTHS OF FLEXIBLE DUCTWORK PER IMC 403.5.1 & 403.5.2
5. EXHAUST FANS SHALL BE VENTED TO EXTERIOR (NOT ATTIC OR SOFFIT) THROUGH 4" FLEXIBLE METAL DUCTWORK EXHAUST FANS TO BE OF INTERMITTENT TYPE W/ A MIN. OF 50CFM. EXHAUST FANS TO BE EQUIPPED WITH BACK DRAFT DAMPER AND SHALL TERMINATE ON THE EXTERIOR OF THE BUILDING UTILIZING A ROOF CAP OR WALL JACK SYSTEM.
6. RETURN DUCTS ARE REQUIRED TO BE IN THE WALL SPACE ON THE OPPOSITE SIDE OF ROOM FROM SUPPLY DUCTS NEAR FLOOR LEVEL.
7. ALL DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED (IECC R403.2.2).
8. DUCT TIGHTNESS SHALL BE TESTED FOR AIR LEAKAGE FOR DUCTS NOT LOCATED IN THE CONDITIONED SPACE. TEST SHALL BE DONE PRIOR TO SCHEDULING THE FINAL INSPECTIONS. SUBMIT A WRITTEN REPORT TO THE BUILDING DEPARTMENT BY A CERTIFIED TESTER (BPI, RESNET, or IODET). 2018 IECC R403.3.3
9. NO PLUMBING OR VENT TERMINAL SHALL BE ANY LESS THAN TWELVE FEET (12') HORIZ. FROM ANY WINDOW OR AIR INTAKE
10. THE ADDITION SHALL PASS A BLOWER DOOR TEST AND A COPY OF THE RESULTS SHALL BE PROVIDED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING THE FINAL INSPECTIONS.
11. THE ADDITION SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 5 AIR CHANGES PER HOUR (ACH). TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E119 OR ASTM E 1827 AND REPORTED AT A PRESSURE OF 0.2 INCHES W.G. (1.56 PSF) (1.56 PSF) BE DONE PRIOR TO CALLING FOR FINAL INSPECTION. SUBMIT SIGNED WRITTEN REPORT TO THE BUILDING DIVISION BY A CERTIFIED TESTER (BPI, RESNET, or IODET). 2018 IECC R403.4 & ILLINOIS STATE AMENDMENTS.

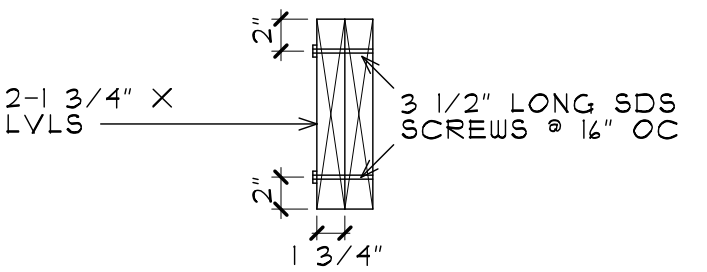
PLUMBING & VENTILATION

1. TEES AND CROSSES ARE NOT TO BE USED ON WASTE LINES.
2. HUBLESS PIPE OR FITTINGS ARE NOT TO BE USED.
3. THERE SHALL BE NO MORE THAN 2 CLOSETS ON 3" WASTE LINE.
4. NO END VENTING IS PERMITTED. THE STACK VENT SHALL GO DOWNSTREAM OF THE WASTE LINE.
5. WATER LINES TO SECOND FLOOR TO HAVE 18" AIR CHAMBERS.
6. ALL HOT WATER PIPING SHALL BE INSULATED TO A MIN. OF R-3. (IECC R403.4.1)
7. ALL NEW SHOWER VALVES SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER MIXING DEVICE PER ILL STATE PLUMBING CODE 890.490(b)).
8. PROVIDE LEAD ROOF FLASHING ON ALL PLUMBING STACKS.
9. AIR TEST REQ'D ON WATER PIPING OF 100# MIN. PRESSURE & 25# MIN. PRESSURE ON GAS PIPING.
10. WET VENTING, CIRCUIT VENTING, AND LOOP VENTING ARE NOT PERMITTED.
11. CONTRACTOR TO PROVIDE PLUMBING PIPING AS FOLLOWS:  
ABOVE GROUND WASTE - SCHEDULE 40 PVC, 1120 SERIES  
ABOVE GRADE WATER - TYPE "L" COPPER  
PROVIDE AIR CHAMBERS AT ALL FIXTURES, INCLUDING WATER CLOSETS.
12. ALL TUBS & SHOWERS NEED 2" P-TRAPS
13. ALL HAND HELD SHOWERS NEED VACUUM BREAKERS.
14. PROVIDE 1 - 4" VENT STACK THRU ROOF W/ LEAD FLASHING
15. MAXIMUM LENGTH 1 1/2" VENT PIPING IS 10'-0"
16. MAXIMUM LENGTH OF 1/2" WATER PIPING IS 10'-0". STACKTEST IS REQ'D ON WASTE & VENT SYSTEM AT THE TIME OF ROUGH AND UNDERGROUND INSPECTIONS.



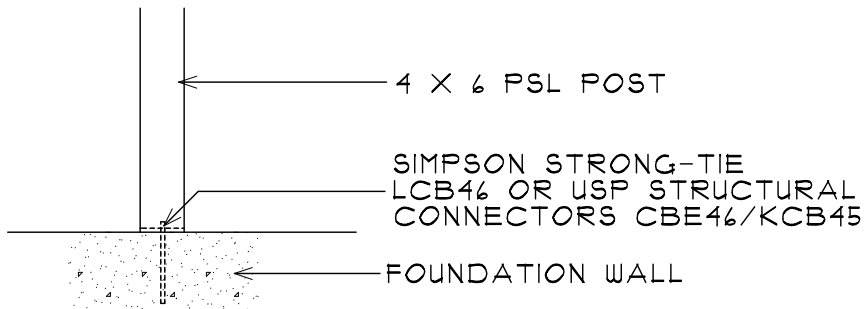
3-PLY LVL FASTENING DETAIL

SCALE: 1" = 1'-0"



2-PLY LVL FASTENING DETAIL

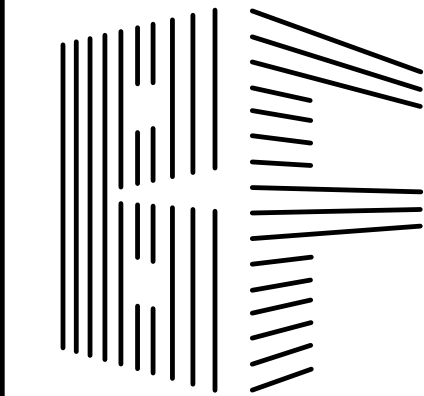
SCALE: 1" = 1'-0"



COLUMN BASE DETAIL

SCALE 1/2" = 1'-0"

(4X4 POST TO USE SIMPSON STRONG-TIE LCB44 OR USP STRUCTURAL CONNECTORS CBE44/KCB44)



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CHRISTELL  
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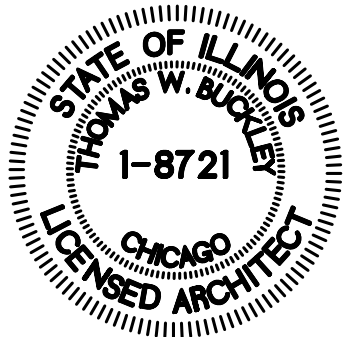
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

|             |     |
|-------------|-----|
| PROJECT NO. | CHR |
| DRAWN BY    | JF  |

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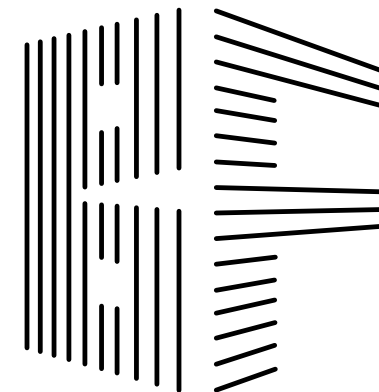
| DATE    | DESCRIPTION |
|---------|-------------|
| 7-12-21 | PRELIMINARY |
| 8-21-21 | PRICING     |
| 7-1-22  | REVISIONS   |
| 3-12-23 | PERMIT      |



A-4

OF EIGHT





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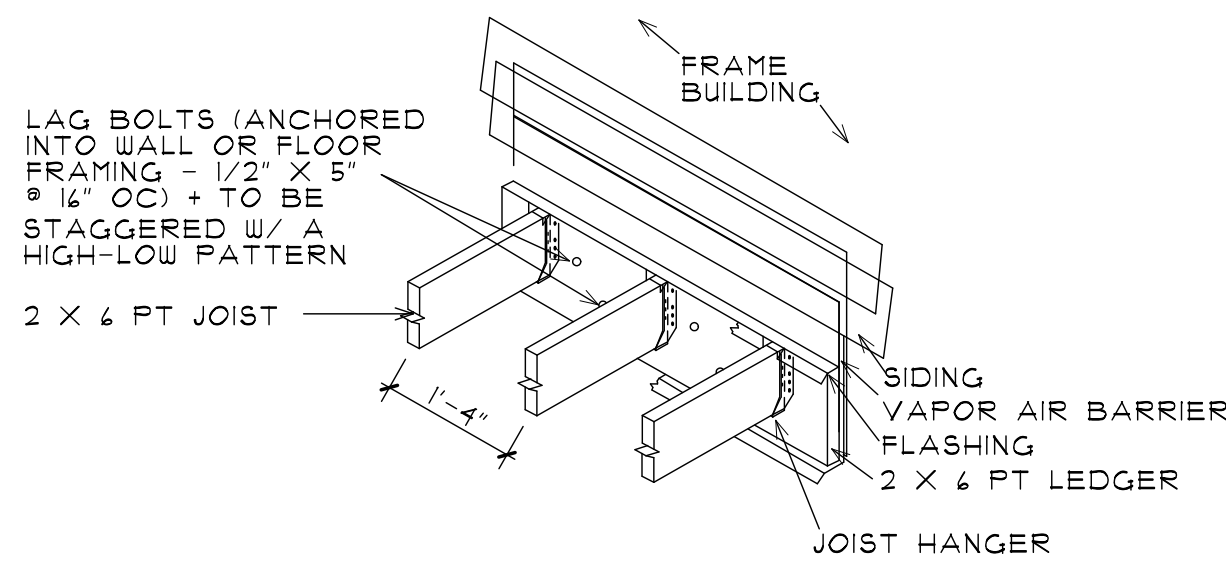
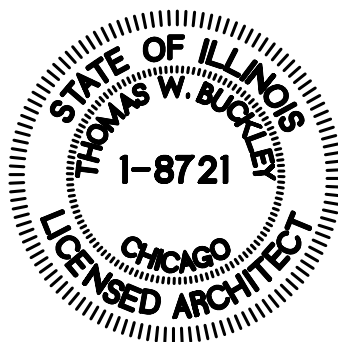
PROPOSED ROOM  
ADDITION

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LAG BOLTS (ANCHORED INTO WALL OR FLOOR FRAMING - 1/2" X 5" @ 16" O.C.) + TO BE STAGGERED W/ A HIGH-LOW PATTERN

2 X 4 PT JOIST

FRAME BUILDING

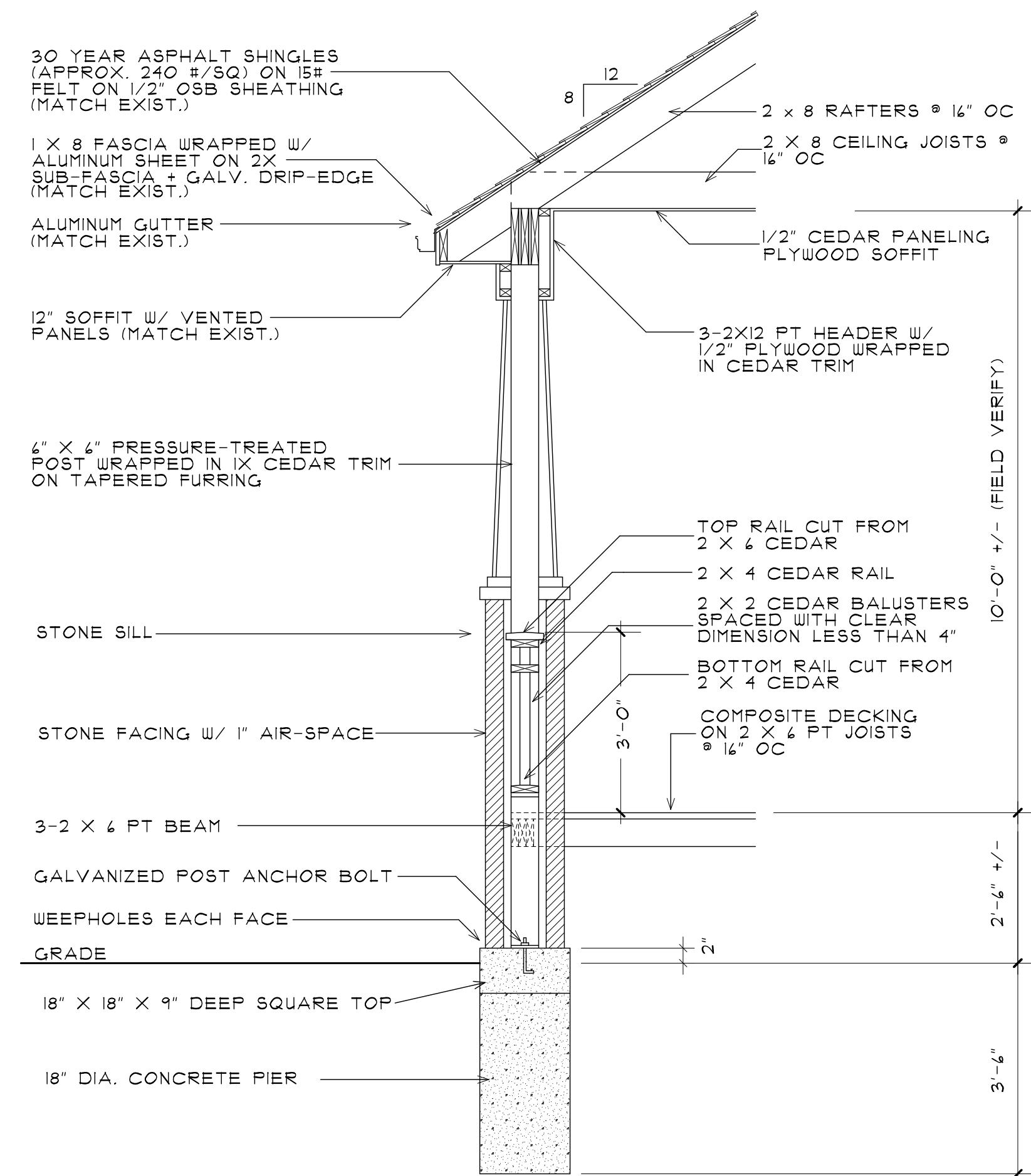
SIDING VAPOR AIR BARRIER FLASHING

2 X 4 PT LEDGER

JOIST HANGER

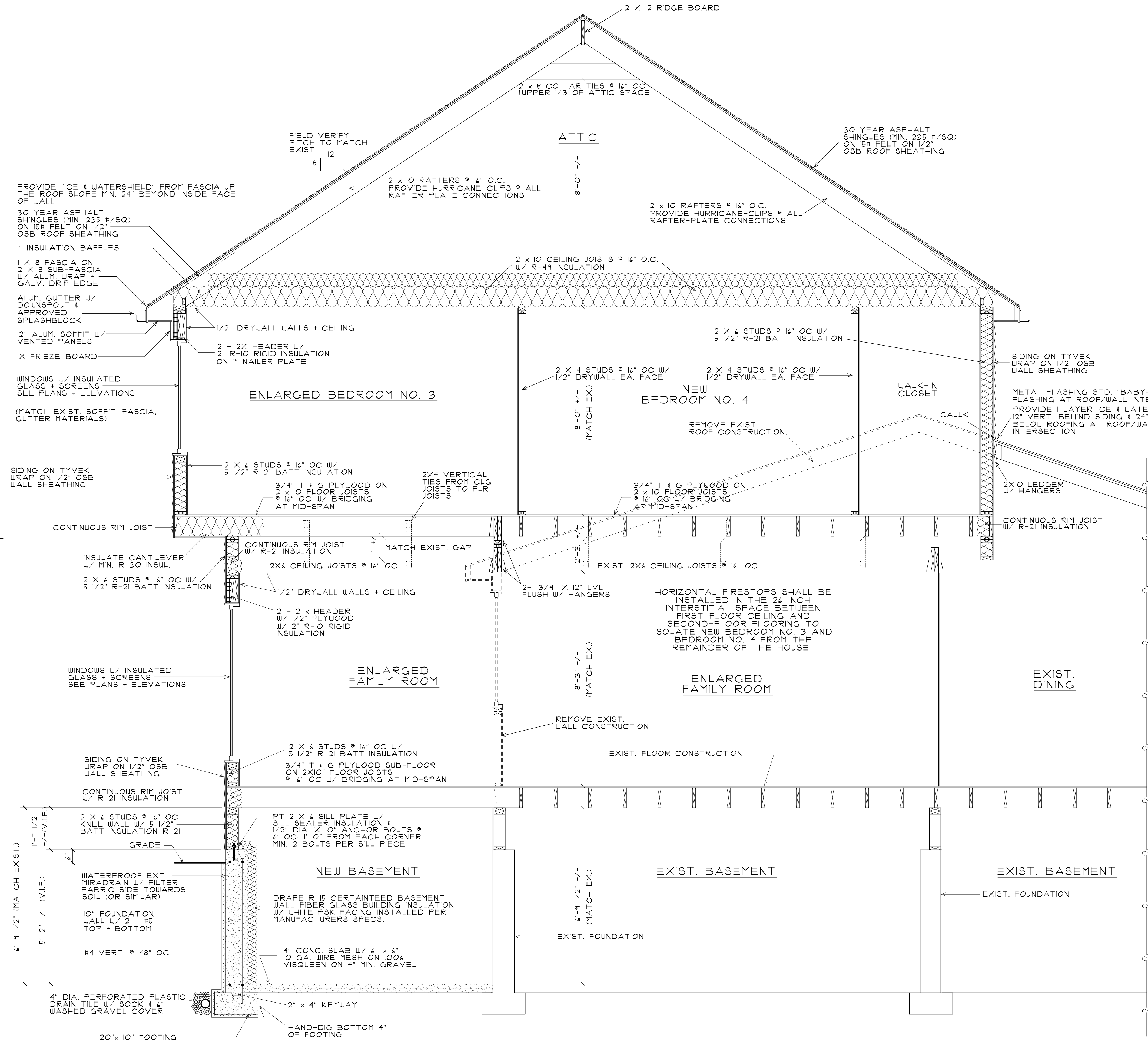
LEDGER BEAM TO  
FRAME WALL CONNECTION

NOT TO SCALE



PORCH  
WALL SECTION

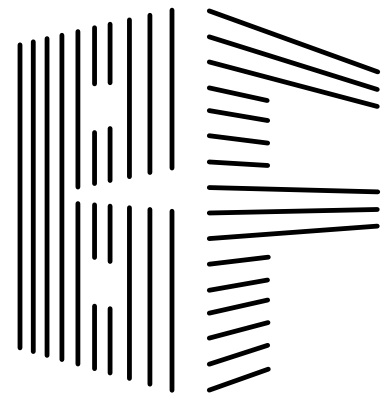
SCALE 1/2" = 1'-0"



BUILDING SECTION A-A

SCALE 1/2" = 1'-0"





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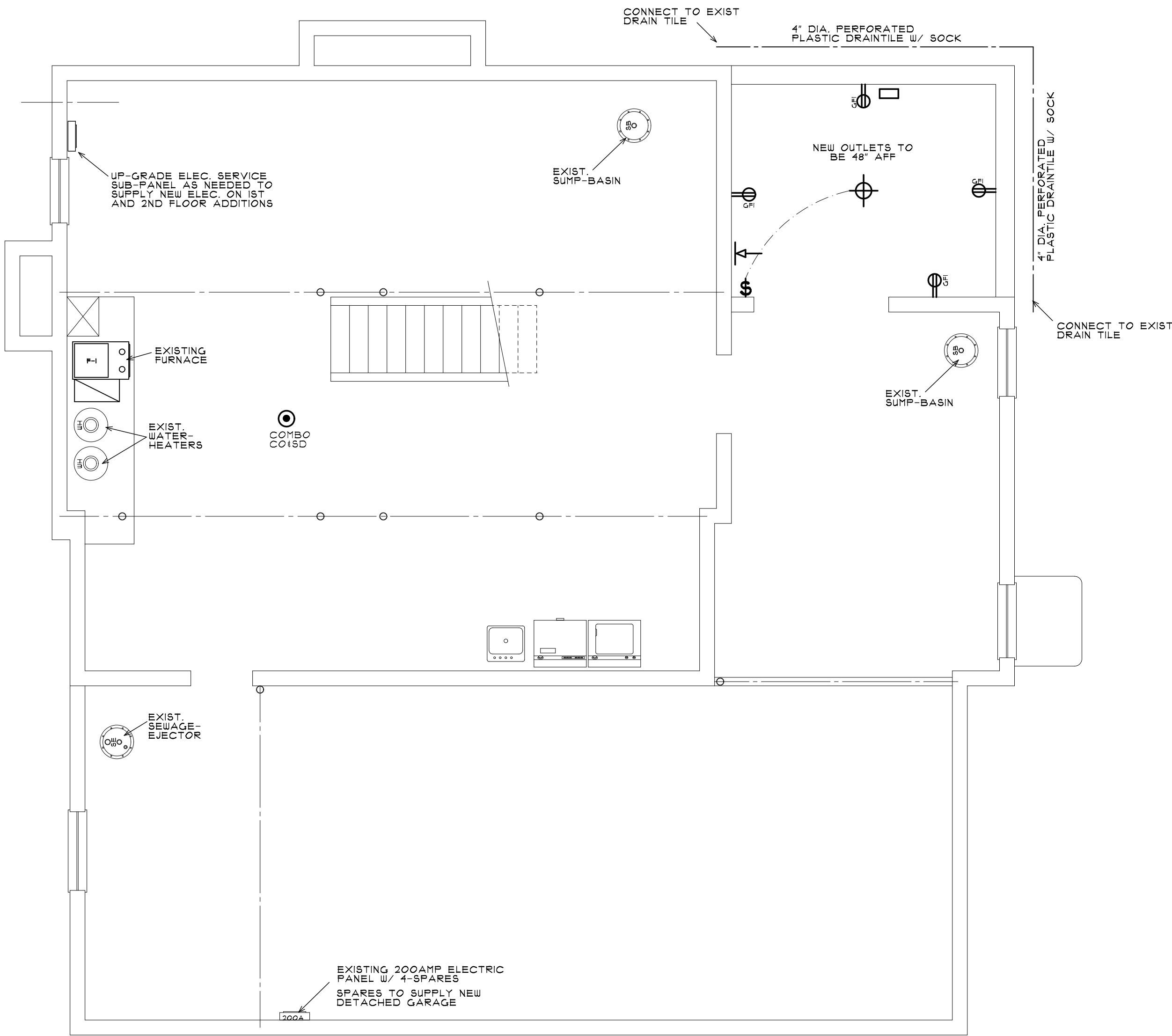
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|-------------|-----|
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| ELECTRIC PANEL NOTES                                                         |
|------------------------------------------------------------------------------|
| NEW ELEC. PANEL PROVIDE 36" X 30" X 4'-2" HIGH CLEAR SPACE IN FRONT OF PANEL |
| 1/2" PLYWOOD TO BE INSTALLED BETWEEN PANEL + CONCRETE                        |
| PANEL TO BE INSTALLED WITHIN 5 FEET OF THE SERVICE ENTRANCE OR THE METER     |
| (MIN 3'-0" SEPARATION FROM SUMP-PUMP)                                        |



BASEMENT PLUMBING  
MECHANICAL + ELECTRICAL PLAN

SCALE 1/4" = 1'-0"



IF NOT ALREADY, SMOKE DETECTORS ARE TO BE INSTALLED IN EACH BEDROOM, OUTSIDE OF EACH GROUP OF BEDROOMS, AND ON EACH FLOOR. IF NOT EXISTING, SMOKE DETECTORS NEED TO BE HARD-WIRED AND INTERCONNECTED. IF NOT, THEY ARE REQUIRED TO BE BROUGHT UP TO CURRENT CODE STANDARDS. [IRC R314.3.1] (SEE NOTE NO. 5 UNDER FIRE PROTECTION ON SHEET A-5)

CARBON MONOXIDE DETECTORS TO BE INSTALLED ON EACH FLOOR AND WITHIN 15 FEET OF ALL BEDROOMS. IF NOT EXISTING, ALL CARBON MONOXIDE DETECTORS SHALL BE BROUGHT UP TO CURRENT CODE STANDARDS. [IRC R315.1]

ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION                                                        |
|--------|--------------------------------------------------------------------|
|        | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                       |
|        | DUPLEX RECEPTACLE                                                  |
|        | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                 |
|        | 110V COMBO C.O. + SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP |
|        | 110V SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP              |
|        | SINGLE POLE SWITCH                                                 |

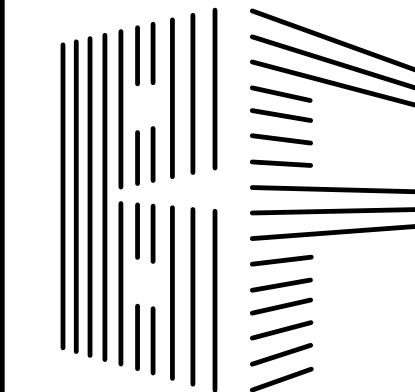
MECHANICAL LEGEND

| SYMBOL | DESCRIPTION         |
|--------|---------------------|
|        | RETURN-AIR GRILLE   |
|        | SUPPLY-AIR REGISTER |

MINIMUM SHEETMETAL THICKNESSES FOR SINGLE DWELLING UNITS

| DUCT SIZE                                | GALVANIZED STEEL           |                                 | APPROXIMATE ALUMINUM B+S GAUGE |
|------------------------------------------|----------------------------|---------------------------------|--------------------------------|
|                                          | MINIMUM THICKNESS (INCHES) | EQUIVALENT GALVANIZED GAUGE NO. |                                |
| ROUND DUCTS + ENCLOSED RECTANGULAR DUCTS |                            |                                 |                                |
|                                          | 14" OR LESS                | 0.013                           | 30                             |
|                                          | OVER 14"                   | 0.014                           | 28                             |
| EXPOSED RECTANGULAR DUCTS                |                            |                                 |                                |
|                                          | 14" OR LESS                | 0.016                           | 28                             |
|                                          | OVER 14"                   | 0.019                           | 24                             |





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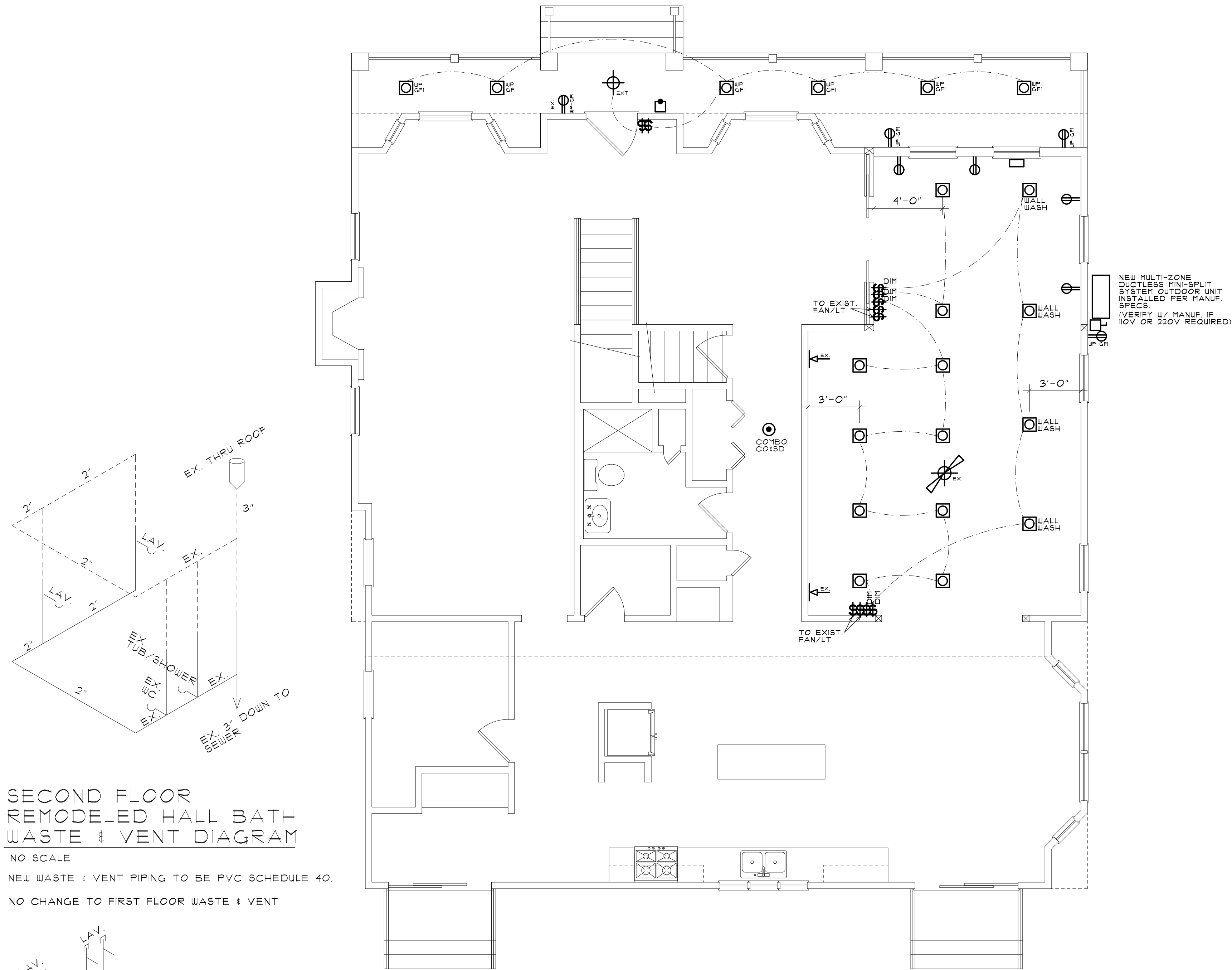
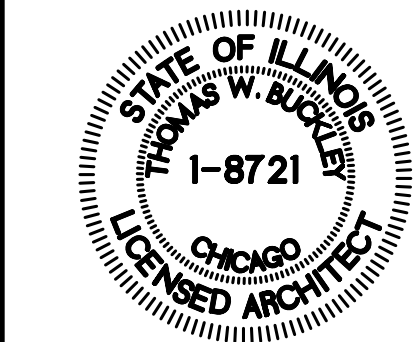
PROPOSED ROOM  
ADDITION

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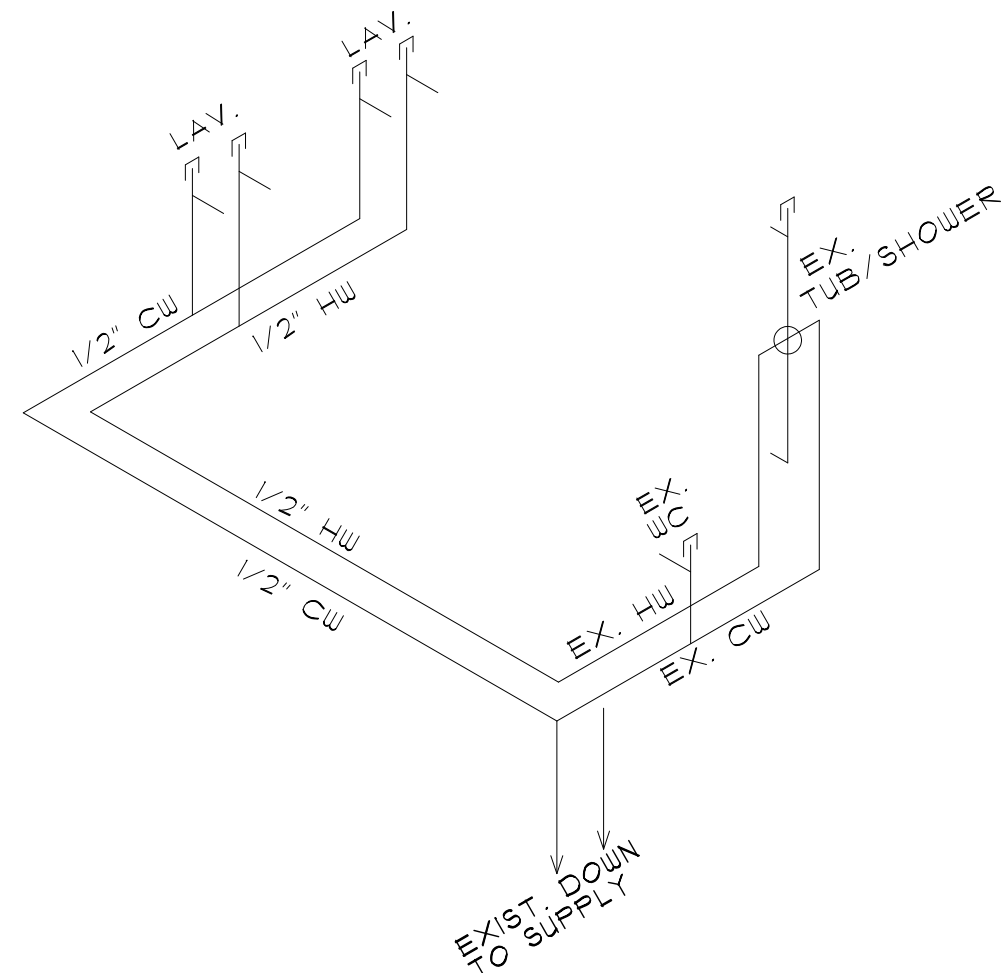
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| 3-12-23 | PERMIT      |



SECOND FLOOR  
REMODELED HALL BATH  
WASTE & VENT DIAGRAM

NO SCALE  
NEW WASTE & VENT PIPING TO BE PVC SCHEDULE 40.  
NO CHANGE TO FIRST FLOOR WASTE & VENT



SECOND FLOOR  
REMODELED HALL BATH  
WATER PIPING DIAGRAM

NO SCALE  
ALL SUPPLY PIPING TO BE COPPER TYPE "L"  
NO CHANGE TO FIRST FLOOR WATER PIPING

FIRST FLOOR  
MECHANICAL + ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

IF NOT ALREADY, SMOKE DETECTORS ARE TO BE INSTALLED IN EACH BEDROOM, OUTSIDE OF EACH GROUP OF BEDROOMS, AND ON EACH FLOOR. IF NOT EXISTING, SMOKE DETECTORS NEED TO BE HARD-WIRED AND INTERCONNECTED. IF NOT, THEY ARE REQUIRED TO BE BROUGHT UP TO CURRENT CODE STANDARDS. (IRC R314.3.1) (SEE NOTE NO. 5 UNDER FIRE PROTECTION ON SHEET A-5)

CARBON MONOXIDE DETECTORS TO BE INSTALLED ON EACH FLOOR AND WITHIN 15 FEET OF ALL BEDROOMS. IF NOT EXISTING, ALL CARBON MONOXIDE DETECTORS SHALL BE BROUGHT UP TO CURRENT CODE STANDARDS. (IRC R315.1)

MECHANICAL LEGEND

| SYMBOL | DESCRIPTION         |
|--------|---------------------|
|        | FAN/CEILING FIXTURE |
|        | RETURN-AIR GRILLE   |
|        | SUPPLY-AIR REGISTER |

SECOND FLOOR PLUMBING  
MECHANICAL + ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

NEW HVAC IN BEDROOMS 3 + 4 TO BE SUPPLIED BY DUAL-ZONE DUCTLESS MINI-SPLIT SYSTEM. INSTALLED PER MANUF. SPECS.

ELECTRICAL LEGEND - [LED BULBS]

| SYMBOL | DESCRIPTION                                                        | SYMBOL | DESCRIPTION                                                        |
|--------|--------------------------------------------------------------------|--------|--------------------------------------------------------------------|
|        | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                       |        | DUPLEX RECEPTACLE WEATHERPROOF + GROUND-FAULT CIRCUIT INTERRUPTED  |
|        | CEILING MOUNTED LIGHT FIXTURE (EXTERIOR GRADE)                     |        | DUPLEX RECEPTACLE                                                  |
|        | RECESSED LIGHT FIXTURE (IC RATED WHERE NECESSARY)                  |        | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                 |
|        | DISCONNECT                                                         |        | DOUBLE DUPLEX RECEPTACLE                                           |
|        | CEILING FAN W/ FAN-APPROVED JUNCTION BOX FOR FANS IN EXCESS OF 35# |        | 110V COMBO C.O. + SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP |
|        | WALL-MOUNTED LIGHT FIXTURE                                         |        | 110V SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP              |
|        | SINGLE POLE SWITCH                                                 |        | EXHAUST FAN + CEILING FIXTURE COMBO                                |
|        | PUSH-BUTTON DOOR BELL                                              |        |                                                                    |

**VILLAGE OF PALATINE**  
**Planning and Zoning Commission**

**SCHEDULED 05/23/23 07:00 PM**

**STAFF REPORT (ID # 8377)**

## 849 W. Kenilworth Avenue

**TO:** Palatine Planning and Zoning Commission  
Jan Wood, Chair

**FROM:** Alex Bradshaw

**PETITIONER:** Joel Christell

**PLAN NUMBER:** SU-000031-2023

**ADDRESS:** 849 W. Kenilworth Avenue

**PROPOSAL:**

Special Use to permit an addition to be set back 20 feet from the front property line, instead of the minimum required 30 feet; and Variation to permit lot coverage to be 48%, instead of the maximum permitted 45%.

|                         |                                                 |                               |                                  |
|-------------------------|-------------------------------------------------|-------------------------------|----------------------------------|
| <b><u>LOCATION:</u></b> | 849 W. Kenilworth Avenue<br>District 1 (Millar) | <b><u>CURRENT ZONING:</u></b> | R-2 Single-Family<br>Residential |
|-------------------------|-------------------------------------------------|-------------------------------|----------------------------------|

**SURROUNDING CONDITIONS:**

|                      |                               |
|----------------------|-------------------------------|
| <b><u>North:</u></b> | R-1 Single-Family Residential |
| <b><u>South:</u></b> | R-2 Single-Family Residential |
| <b><u>East:</u></b>  | R-2 Single-Family Residential |
| <b><u>West:</u></b>  | R-2 Single-Family Residential |

**BACKGROUND:**

The Petitioner is seeking a Variation for lot coverage and a Special Use for a front yard setback reduction to permit the construction of a 2-story addition and a covered porch along the front of the home. With the addition, the proposed front yard setback is approximately 20 feet, for the proposed covered porch, with the remaining 2-story addition having a 25-foot setback. Therefore, the Petitioner is requesting:

**Special Use to permit an addition to be set back 20 feet from the front property line, instead of the minimum required 30 feet; and**

**Variation to permit lot coverage to be 48%, instead of the maximum permitted 45%.**

**SITE ANALYSIS:**

Attachment: PZC Materials - May 23, 2023 (849 W. Kenilworth Avenue - SU &amp; VAR Addition)



- The Subject Property is zoned R-2 Single Family and is part of the Schumann Place Subdivision. The Subject Property is approximately 9,900 square feet. The lot currently consists of a 2-story residence, a two-car detached garage in the rear yard, and a small deck off the rear of the residence.
- The existing residence is set back approximately 24 feet. It is therefore legal non-conforming to the required 30-foot front yard setback.
- The Petitioner is seeking a Special Use for a front yard setback to permit the construction a 2-story frame addition and a covered porch along the front of the home. The proposed setback for the addition is approximately 20 feet.
- Per the submitted application, the Petitioner has indicated that the addition will help to provide more space for his family of 5 and will add to the character of the neighborhood by making their home more appealing.
- Per the submitted elevation plans, the 2-story addition will match the existing ridge line and will not exceed the current height of the residence.
- Comparable relief was granted to the adjacent property commonly known as 879 W. Kenilworth Ave. In 2018 a Special Use was granted to permit the home to be set back 20 feet from the zoning front lot line off Crescent Avenue, instead of the minimum required 30 feet.
- The proposed addition will increase the total lot coverage from the existing 45% to 48%.

#### **DEPARTMENTAL REVIEWS:**

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| <b>Community Services</b>   | No Issues Identified.                                                            |
| <b>Engineering</b>          | A formal engineering review will be done as part of the building permit process. |
| <b>Environmental Health</b> | N/A                                                                              |
| <b>Fire Prevention</b>      | N/A                                                                              |
| <b>Public Works</b>         | N/A                                                                              |
| <b>Police</b>               | N/A                                                                              |

**STANDARDS FOR SPECIAL USE:** Since this Petition is not for a use publicly operated or traditionally affected with the public interest, those standards under Section 14.05 D (2) and (3) are applicable. Specifically, the Petitioners must show that the Special Use, if granted, is so designed, located, and proposed to be operated that the public health, safety, and welfare will be protected and will not cause substantial injury to the value of other property in the neighborhood in which it is located. The Petitioners have attempted to address the required standards.

**STANDARDS FOR A VARIATION:** Standards for a Variation are found in Section

14.03 D (1) and (2) of the Zoning Code. Specifically, the Petitioners must show that the property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations governing the district in which it is located; that the plight of the owner is due to unique circumstances; and that the variation, if granted, will not alter the essential character of the locality. The Petition for Variation is attached, and the Petitioners have attempted to address the required standards.

**STAFF RECOMMENDATION:**

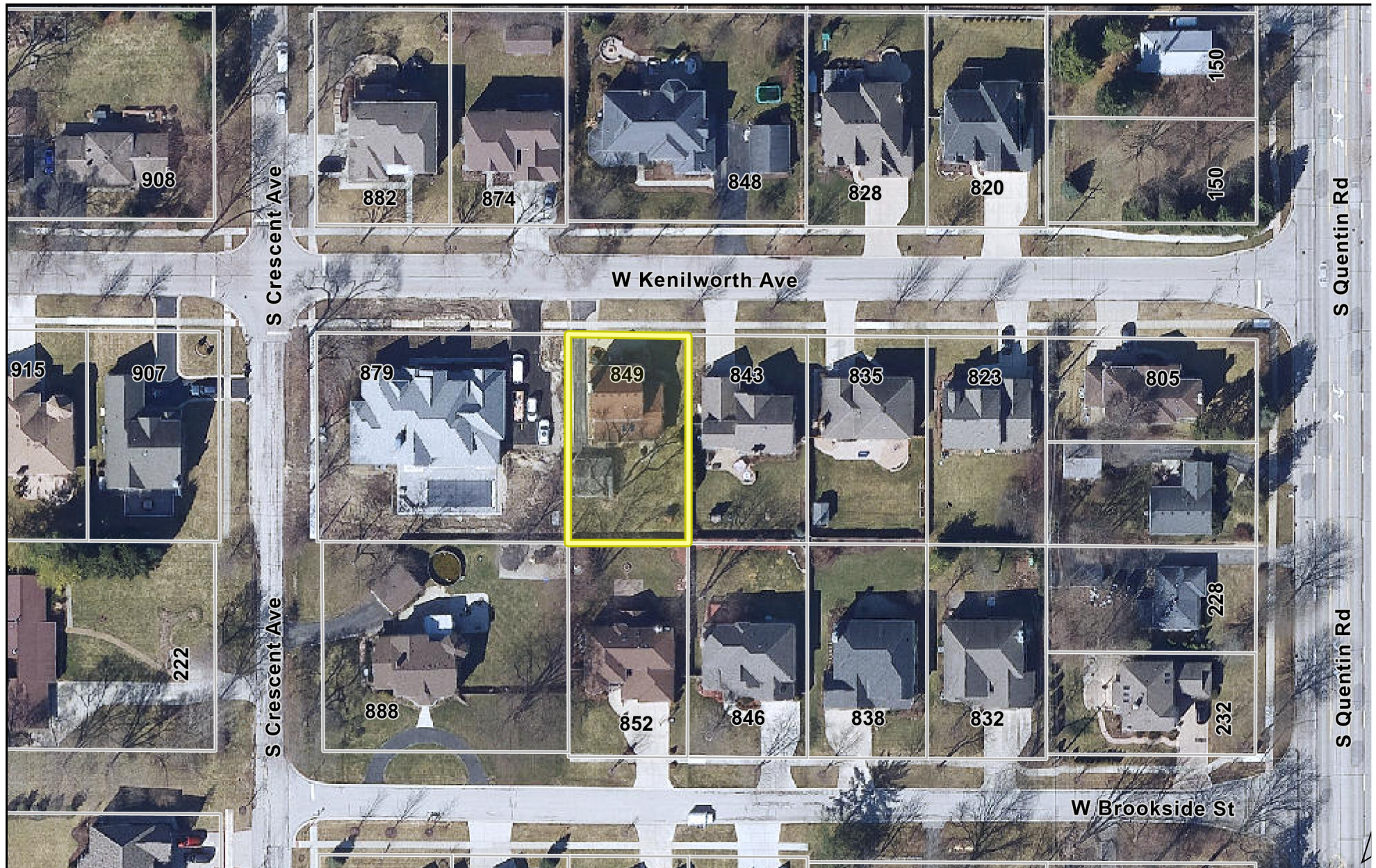
The Petitioner is proposing to construct a 2-story addition to the existing residence. The addition will be set back from the front property line 20 feet, which is comparable to the setback relief granted to the adjacent neighbor off Crescent Avenue in 2018. Additionally, as the bulk of the 2-story addition will be set back 25 feet from the front property line and should not alter the essential character of the locality nor cause substantial injury to the value of other properties in the surrounding neighborhood. Therefore, Staff recommends approval of the Special Use, subject to the following condition:

1. The Special Use and Variation shall substantially conform to the Site Plan, Floor Plan, and Elevations submitted by the Petitioner, Joel Christell, except as such plans may be changed to conform to the Village Codes and Ordinances.

**ATTACHMENTS:**

- Aerial Map
- Special Use Application
- Variation Application
- Project Narrative
- Existing Conditions Photos
- Site Plan and Elevations
- Support of Special Use and Request for Variance
- Public Notice





0 150 300  
ft

Print Date: 4/12/2023

**Notes**

Cook County Aerial 2020

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

Attachment: PZC Materials - May 23, 2023 (849 W. Kenilworth Avenue - SU & VAR Addition)



## SPECIAL USE APPLICATION

### Department of Planning & Zoning

200 E. Wood Street • Palatine, IL • 60067-5339  
 Telephone: (847) 359-9047 • Fax (847) 963-6247

Petitioner Name

Joel Christell

Business Name (if applicable)

Subject Property Address

849 W. Kenilworth Avenue

Please provide a description of your proposed request:

Proposed improvement consists of a single family two story addition and front porch expansion. The improvement will include family room expansion, larger second story bedroom, new second story bedroom, and second story bathroom remodel. The curb appeal will be updated from a Colonial Style house to a more attractive craftsman style house by adding gables and a front porch.

### Petitioner Justification

Special Uses shall not be granted except on findings based upon the evidence in each specific case. Please address the following standards as these will be used in considering the specific relief you are seeking.

That use deemed necessary for the public convenience at that location. Explain:

The proposed improvements will benefit our family by expanding a small bedroom, adding a new bedroom, and increase the space for our family room for our 3 boys and my wife and I. The existing Colonial Style house will be modified to become a craftsman style house with more curb appeal. This will add to the overall character of the surrounding neighborhood.

The use is designed, located, and proposed to be operated that the public health, safety, welfare will be protected. Explain:

The proposed improvement will be completed to meet all applicable codes, requirements, and standards and will not be detrimental to public health, safety, or welfare of the neighborhood.

The use will not cause substantial injury to nearby property values. Explain:

The home addition to make the home more appealing, and useful for our family will not affect property values in a negative way.



In order to supplement the above standards, the Zoning Board of may also consider the following:

With respect to front yard fencing and fencing in a rear yard/side yard abutting a street, the following additional standards must be met:

a. Will meet the following aesthetic criteria:

- i. Will not destroy existing vistas in the area;
- ii. Will enhance the appearance of the homes and the streets in the area; and
- iii. Will not detract from the overall appearance of the community; or

b. The fencing is found to be necessary to protect private property or the safety of the inhabitants of the property.

Not applicable.

### Required Materials

- ☐ Filing Fee of \$ \_\_\_\_\_
- Application Form
- ☐ Plat of Survey (must show all current improvements and be sealed by an Illinois certified surveyor)
- ☐ Site Plan & Floor plan (dimension, location, and setbacks of all existing and proposed buildings) – **one 11x17 copy each, electronic version preferred**
- ☐ Real Estate Interest Disclosure Form (see attached)
- ☐ Proof of Ownership or Lease (e.g. Title Insurance Policy, Deed, or Purchase Contract)

### Additional Materials (as required by the Village)

- ☐ Elevation Plan (front, side, and rear elevations of a proposed building), and/or Floor Plan (proposed interior layout) – **one 11x17 copy of each plan, electronic versions preferred**
- ☐ Engineering Plans (must indicate existing conditions, topography, storm water management, tree preservation, utility connections, detention calculations, and a cost estimate)
- ☐ Photographs (e.g. ground-level or aerials)
- ☐ Other materials as deemed necessary by the Village

### Petitioner Justification

The Petitioner is required to present specific evidence related to each of the following standards to justify the request (paraphrased from Section 14.03 of the Palatine Zoning Ordinance). Answer the items below and attach a separate sheet if necessary. ***If you are applying for a Special Use only, you do not need to answer these items.***

1. That the property cannot yield a reasonable return if used only under the conditions allowed by the regulations governing the zoning district in which it is located

Improvements include family room expansion, larger and new second story bedroom, second story bedroom remodel, and expanded front porch.

Limited frontage and space to neighbors lots to expand the house and only a one-car driveway.

2. That the plight of the owner is due to unique circumstances

Since the driveway is one car in width and adjacent to the west lot line, there is no space to expand to the west. Expansion to the east will allow a uniform home and will not encroach farther from the east-most building line.

3. That the variation, if granted, will not alter the essential character of the locality

The proposed house expansion will enhance the curb appeal and enhance the character of the neighborhood.

4. In order to supplement the above standards, the Zoning Board of Appeals may also consider the following:

- a. The particular surroundings, shape, or topographical conditions of the property
- b. A unique hardship for the property not generally applicable to other properties in the same zoning district
- c. The request is not based on a desire to make more money out of the property
- d. The petitioner has not created the alleged hardship for the property
- e. The request will not be detrimental to the public welfare or other properties in the neighborhood
- f. The request will not impair the supply of light and air to adjacent properties, substantially increase the danger of fire, endanger the public safety, or substantially diminish or impair neighboring property values



April 8, 2023

Mr. Alex Bradshaw  
Village of Palatine  
Community Development Department  
Building Permit & Inspections  
200 East Wood Street  
Palatine, IL 60067

Reference: Special Use Application (BLDR-010895-2023)  
Front Yard Setback  
849 W. Kenilworth Ave. – Palatine

Dear Mr. Bradshaw:

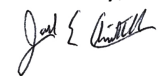
Based upon the comments received from the Village on March 28, 2023 in reference to the building permit submittal of March 17, 2023, we are applying for a Special Use for the required front yard setback.

Our house was built in 1929, with a 20-foot setback line as noted on the Plat, which is likely well before the Village's current 30-foot zoning requirement was established. The home was expanded to the rear and east side in 1997 along with the addition of a second story. The proposed house expansion will not encroach more than the existing 20-foot setback and in many ways, will enhance the character of the neighborhood. The proposed plan includes expansion of the family room, adding a second story bedroom, expanding a second story bedroom, and reconfiguring a second story bathroom. We are adding gables to the front and expanding the existing front porch, which will all be contained within the existing 20-foot front yard setback.

My wife's family has roots in Palatine, going back over 40 years, and still reside in Palatine. We love the neighborhood, the schools, and everything the Village has to offer our family and plan to stay for the long term. This expansion will benefit our family, allow us to enjoy our home for many years, and add to the overall character of the neighborhood.

Please let me know if you need anything else for the Special Use Application. Thank you.

Sincerely,



Joel Christell

Attachment: PZC Materials - May 23, 2023 (849 W. Kenilworth Avenue - SU & VAR Addition)















| DESIGN CRITERIA                                                                                                 |                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| FLOOR                                                                                                           |                                                                                                                       |
| SLEEPING ROOMS                                                                                                  | 30# LL - 10# DL                                                                                                       |
| OTHER ROOMS                                                                                                     | 40# LL - 10# DL                                                                                                       |
| VEH. GARAGES                                                                                                    | 50# LL - 10# DL                                                                                                       |
| WALL                                                                                                            | 40# PLF OR ACTUAL LOAD<br>20 PSF WIND 0'-20' HEIGHT<br>25 PSF WIND 21'-29' HEIGHT<br>30 PSF WIND 30' HEIGHT AND ABOVE |
| CEILING                                                                                                         |                                                                                                                       |
| UNHAB W/O STOR                                                                                                  | 10# LL - 10# DL                                                                                                       |
| UNHAB LIM STOR                                                                                                  | 20# LL - 10# DL                                                                                                       |
| HAB W/ FX STAIR                                                                                                 | 30# LL - 10# DL                                                                                                       |
| WIND SPEED                                                                                                      | 115 MPH 3 SECOND GUST & 89 MPH NOMINAL                                                                                |
| ROOF                                                                                                            | 25# LL (SNOW) - 10# DL (ALL SLOPES)                                                                                   |
| CATHEDRAL                                                                                                       | 30# LL - 15# DL (ALL SLOPES)                                                                                          |
| EXT. DECK                                                                                                       | 40# LL - 10# DL                                                                                                       |
| EXT. BALCONY                                                                                                    | 40# LL - 10# DL                                                                                                       |
| STAIRS                                                                                                          | 40# LL + 300# CONCENTRATED LOAD                                                                                       |
| GUARD-HANDRAILS                                                                                                 | 200# LL AT ANY DIRECTION APPLIED AT THE TOP                                                                           |
| FROST DEPTH                                                                                                     | 42" (3'-4")                                                                                                           |
| STRUCTURAL FRAMING LUMBER                                                                                       |                                                                                                                       |
| BASE VALUE (USE NO MULTIPLIERS AGAINST BASE VALUE)                                                              |                                                                                                                       |
| GRADE # 2 SPECIES SPF DOMESTIC OR CANADIAN BASE Fb 1000                                                         |                                                                                                                       |
| SPECIFY MANUFACTURER AND NAME OF SPECIFIC BEAM PRODUCT WITH THE CURRENT SIZE, Fb, AND E VALUES PER MANUFACTURER |                                                                                                                       |
| MANUFACTURER                                                                                                    | TRUS-JOIST                                                                                                            |
| PRODUCT                                                                                                         | LVL HEADERS & BEAMS<br>MICRO-LAM                                                                                      |

| TABLE R301(2)(I)<br>CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA |             |              |                     |                        |                         |                        |                  |              |                    |                               |                                       |                    |                  |
|-------------------------------------------------------------|-------------|--------------|---------------------|------------------------|-------------------------|------------------------|------------------|--------------|--------------------|-------------------------------|---------------------------------------|--------------------|------------------|
| GROUND SNOW LOAD                                            | WIND DESIGN |              |                     |                        | SEISMIC DESIGN CATEGORY | SUBJECT TO DAMAGE FROM |                  |              | WINTER DESIGN TEMP | ICE BARRIER UNDER LAYERS REQ. | FLOOD HAZARDS CHPT 15 OF VILLAGE CODE | AIR FREEZING INDEX | MEAN ANNUAL TEMP |
|                                                             | SPEED (MPH) | TOPO EFFECTS | SPECIAL WIND REGION | WIND-BORNE DEBRIS ZONE |                         | WINDING                | FROST LINE DEPTH | TERRESTRIAL  |                    |                               |                                       |                    |                  |
| 25                                                          | 115         | NO           | NO                  | NO                     | A                       | severe                 | 42"              | MOD TO HEAVY | -4                 | YES                           | SEE BELOW                             | 2000               | 41.4             |

DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE W/ THE VILLAGE OF PALATINE AND AMENDMENTS AS LISTED BELOW.

- INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION (WITH AMENDMENTS).
- (A)APPENDIX A, SIZING AND CAPACITIES OF GAS PIPING
- (B)APPENDIX B, SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS
- (C)APPENDIX C, EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS.
- (E)APPENDIX F, PASSIVE RADON GAS CONTROL METHODS
- (F)APPENDIX H, PATIO COVERS
- (G)APPENDIX J, EXISTING BUILDINGS AND STRUCTURES
- INTERNATIONAL MECHANICAL CODE, 2015 EDITION
- INTERNATIONAL FUEL GAS CODE, 2015 EDITION
- INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION (WITH ILLINOIS AMENDMENTS)
- INTERNATIONAL FIRE CODE, 2015 EDITION
- NATIONAL ELECTRIC CODE, 2017 EDITION
- ILLINOIS PLUMBING CODE, 2014 EDITION
- VILLAGE OF PALATINE CODE OF ORDINANCES

SITE NOTES:

- CONSTRUCTION DEBRIS AND REFUSE CONTAINMENT SHALL BE REQUIRED FOR ALL JOB SITES. CONTAINMENT SHALL OCCUR ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT. IT SHALL BE WITHIN A DUMPSTER, STRUCTURE, OR CONTAINER THAT CAN BE COVERED TO PREVENT WINDBLOWN DEBRIS. ALL SUCH DUMPSTERS, STRUCTURES, OR CONTAINERS SHALL BE COVERED AT ALL TIMES WHEN NO WORK IS BEING PERFORMED ON THE PROPERTY THAT IS THE SUBJECT OF THE PERMIT.
- ALL DISTURBED PARKWAY LAWN AREAS WILL BE RESTORED WITH NEW SOD ON 4" OF TOPSOIL. ALL SOD SHALL BE WATERED AS REQ'D TO SUSTAIN GROWTH.
- ALL PARKWAY TREES SHALL HAVE A SNOW FENCE THAT EXTENDS TO THE DRIP LINE. NO TRAFFIC SHALL GO OVER THE ROOT SYSTEM.
- SURFACE DRAINAGE TO BE DIVERTED FROM STRUCTURE SO AS NOT TO CREATE A HAZARD ON THIS OR ADJACENT PROPERTY. GRADE FROM FOUNDATION TO DROP A MINIMUM OF 4" IN 10'. PROVIDE SWALES OR DRAINS TO ENSURE DRAINAGE FROM STRUCTURE AND ADJACENT PROPERTY.
- TOILET FACILITIES SHALL BE PROVIDED AT ALL JOB SITES PER ILLINOIS PLUMBING CODE. THIS WILL BE A CONDITION OF THE PERMIT.
- PROVIDE AND MAINTAIN A 4'-0" HIGH FENCE ALONG THE FULL LENGTH OF INTERIOR SIDE YARDS UNTIL EXTERIOR CONSTRUCTION IS COMPLETE.
- PROVIDE AND MAINTAIN A 4'-0" HIGH CONSTRUCTION FENCE DURING NON-WORKING HOURS THAT WILL ENCLOSE ALL OPEN EXCAVATIONS UNTIL FOUNDATION IS BACK-FILLED & FIRST FLOOR DECK IS COMPLETED.
- PROVIDE ADEQUATE TARPING AT THE END OF EACH WORK DAY OVER AREAS WHERE EXISTING ROOF MATERIALS HAVE BEEN REMOVED TO PREVENT WATER DAMAGE FROM RAINSTORMS.

GENERAL NOTE:

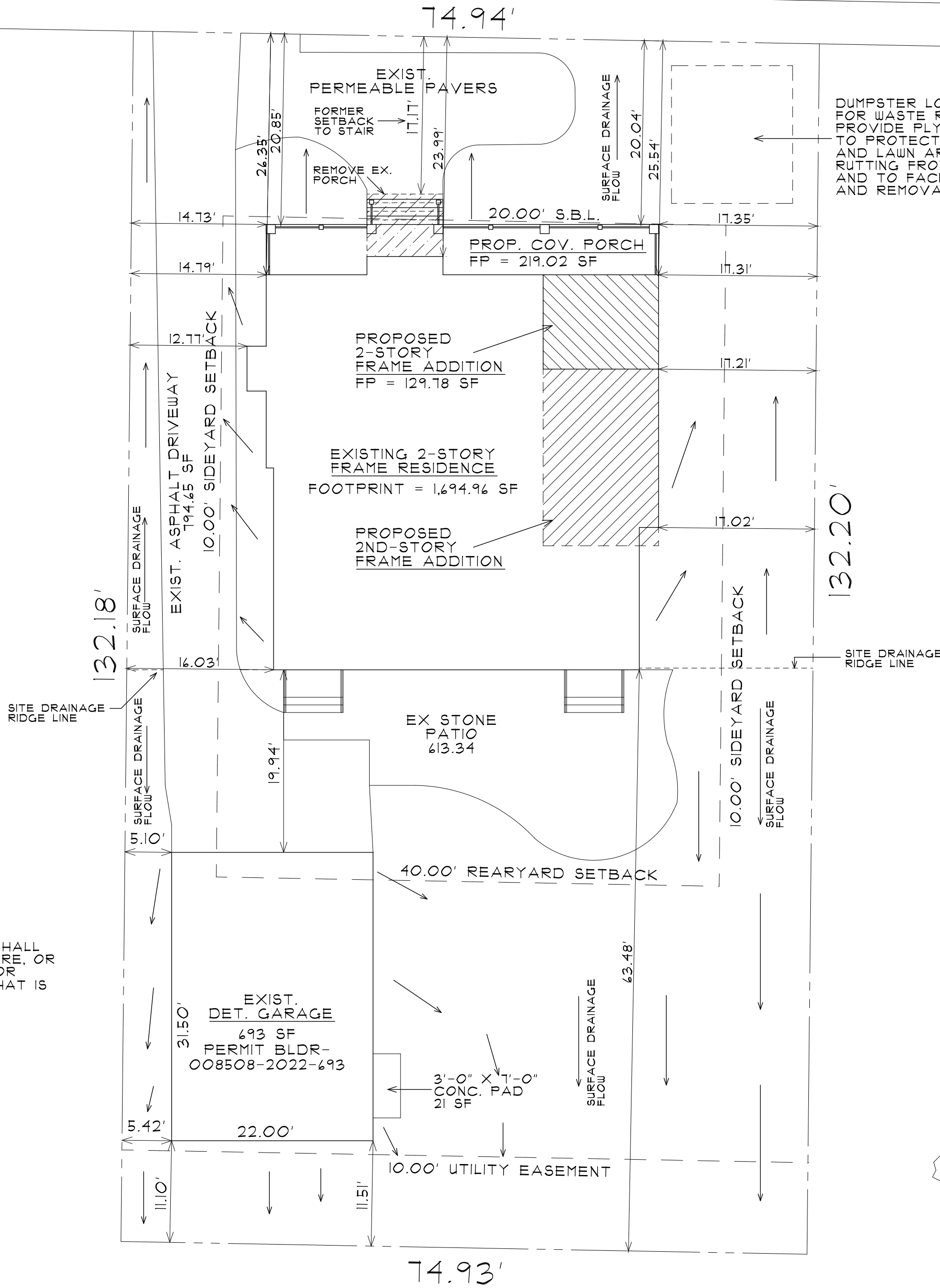
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCIES IN FIELD CONDITIONS IS TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING.
- PLEASE NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS.

STATE LAW: BEFORE DIGGING, CALL JULIE (81) OR 1-800-892-0123)  
FOR LOCATION OF PUBLIC AND PRIVATE UTILITIES AT WORK SITE. 48 HOURS NOTICE IS REQUIRED.

# CHRISTELL RESIDENCE

849 WEST KENILWORTH AVENUE  
PALATINE, ILLINOIS 60067

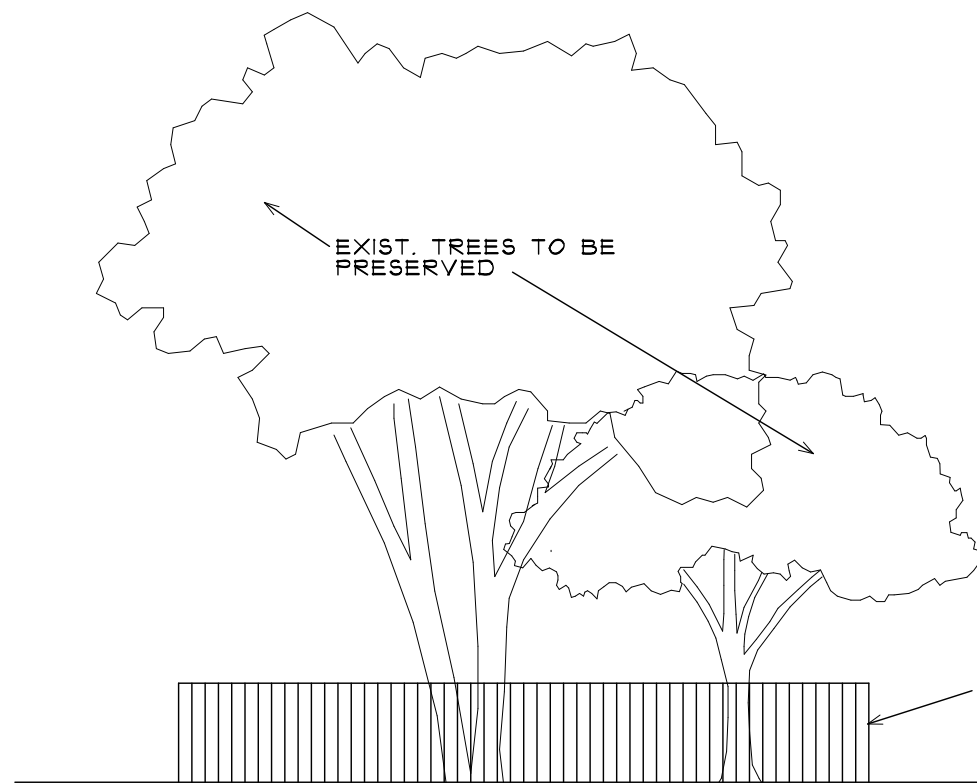
WEST KENILWORTH AVENUE



SITE PLAN

SCALE 1" = 10'-0"

NORTH



TREE PROTECTION DETAIL

NO SCALE

ERECT PROTECTIVE SNOWFENCE PRIOR TO ANY CONSTRUCTION ACTIVITY. DO NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE PROTECTION AREA. REMOVE THE PROTECTIVE SNOW FENCE ONLY AFTER CONSTRUCTION IS COMPLETE.

ALL TREES ARE TO BE PROTECTED DURING CONSTRUCTION WITH FENCING. FOR EVERY 1" OF TREE DIAMETER, MAINTAIN 1'-0" DISTANCE AWAY FOR FENCING.

ZONING CALCULATIONS - [R-2]

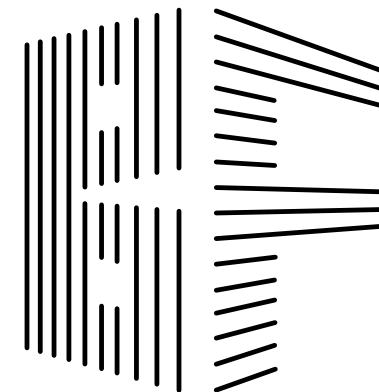
| LOCATION                    | REQUIRED AREA [SQ. FT.] |
|-----------------------------|-------------------------|
| LOT                         | 9,907.07                |
| MAX BUILDING COVERAGE [35%] | 3,467.47                |
| PROPOSED BUILDING COVERAGE  | 2,736.76                |
| MAXIMUM LOT COVERAGE [45%]  | 4,458.18                |
| PROPOSED LOT COVERAGE       | 4,428.16                |
| LOCATION                    | PROPOSED AREA [SQ. FT.] |
| EXISTING FOOTPRINT          | 1,694.94                |
| PROPOSED 1ST FLOOR          | 129.78                  |
| EXIST. DETACHED GARAGE      | 693                     |
| PROPOSED COVERED PORCH      | 219.02                  |
| OTHER LOT COVERAGE SURFACES | 1,691.40                |

SETBACKS - [R-2]

| LOCATION          | REQUIRED DIMENSION | PROPOSED DIMENSION |
|-------------------|--------------------|--------------------|
| FRONTYARD         | 30.00'             | 20.04'             |
| INTERIOR SIDEYARD | 10.00'             | 14.73'             |
| REARYARD          | 40.00'             | EX 43.48'          |
| HEIGHT (MEAN)     | 34'-0"<br>30'-0"   | EXIST.             |

INDEX OF DRAWINGS

| SHEET | DESCRIPTION                                              |
|-------|----------------------------------------------------------|
| G-1   | SITE PLAN + GENERAL NOTES                                |
| A-1   | FOUNDATION PLAN, NOTES, + DETAILS                        |
| A-2   | FIRST + SECOND FLOOR CONSTRUCTION PLANS                  |
| A-3   | EXTERIOR ELEVATIONS                                      |
| A-4   | NOTES + DETAILS                                          |
| A-5   | BUILDING SECTION + DETAILS                               |
| MEP-1 | BASEMENT PLUMBING, MECHANICAL, + ELECTRICAL PLANS        |
| MEP-2 | 1ST + 2ND FLOOR PLUMBING, MECHANICAL, + ELECTRICAL PLANS |



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## CHRISTELL RESIDENCE

849 W.  
KENILWORTH AVE.  
PALATINE  
ILLINOIS

PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

|             |     |
|-------------|-----|
| PROJECT NO. | CHR |
| DRAWN BY    | JF  |

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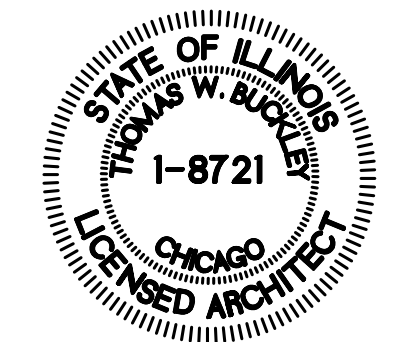
| DATE    | DESCRIPTION |
|---------|-------------|
| 7-12-21 | PRELIMINARY |
| 8-21-21 | PRICING     |
| 7-1-22  | REVISIONS   |
| 3-12-23 | PERMIT      |

ARCHITECT'S  
CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECTION AND THAT TO THE BEST OF MY KNOWLEDGE, COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.

*Thomas Buckley*  
CERT NO. 001.008721

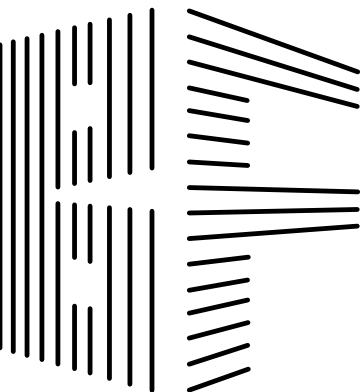
EXP. 11-30-24 DATE: 3-12-2023



G-1

OF EIGHT





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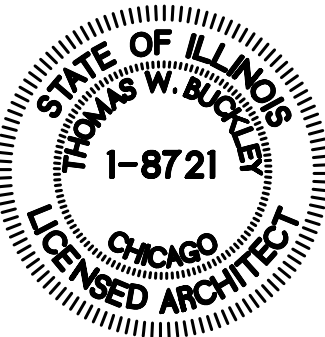
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ADDITION

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A-1

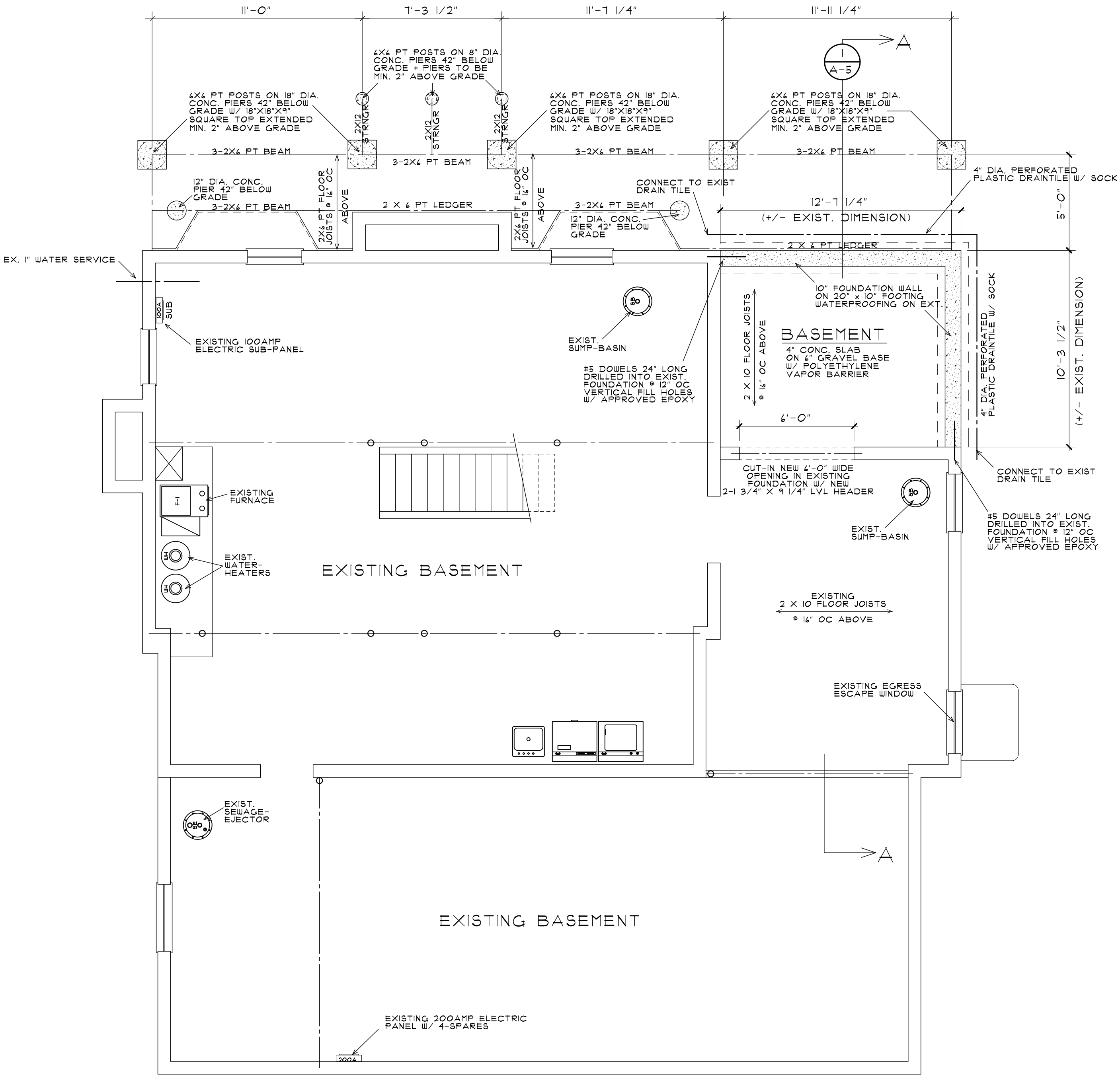
OF EIGHT

CONCRETE AND EXCAVATION

1. FOOTINGS SHALL BEAR ON UNDISTURBED, INORGANIC SOIL WITH MINIMUM BEARING CAPACITY OF 3000 PSF.
2. ALL EXCAVATED SOIL SHALL BE REMOVED FROM SITE. FOUNDATION EXCAVATION SHALL BE BACKFILLED WITH CRUSHED CONCRETE AND TOPPED WITH 12 INCHES OF TOPSOIL.
3. FOUNDATION CONCRETE TO ACHIEVE COMPRESSIVE STRENGTH OF 3000PSI AT 28 DAYS; MIN. 5 1/2 BAG MIX. SIDEWALKS, PATIOS, & STEPS TO BE AIR-ENTRAINED WITH COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. MIN. 4 BAG MIX.
4. BACK-FILL SOIL SO THAT GRADE SLOPES AWAY FROM FOUNDATION 4" WITHIN FIRST 10'-0" (MIN).
5. EXISTING GROUND ELEVATIONS WILL NOT BE ALTERED ANYWHERE ON THE SITE IN ORDER TO MAINTAIN THE EXISTING DRAINAGE PATTERN AND NOT OBSTRUCT ANY TRIBUTARY DRAINAGE FROM THE SURROUNDING PROPERTIES.
6. ALL EXCAVATED SOIL/MATERIALS NOT TO BE USED FOR BACKFILL & TO BE IMMEDIATELY REMOVED FROM SITE. NO ON-SITE STOCKPILING OF EXCAVATED MATERIALS WILL BE ALLOWED, WITH THE EXCEPTION OF TOPSOIL FOR FINAL GRADING.
7. GRAVEL BASE ON CONCRETE SLABS TO HAVE A BASIC COURSE CONSISTING OF CLEAN GRADE SAND, GRAVEL, CRUSHED STONE, OR CRUSHED BLAST-FURNACE SLAG PASSING A 2" SIEVE AND RETAINED ON 1/4" SIEVE SHALL BE PLACED ON THE PREPARED SUBGRADE WHEN THE SLAB IS BELOW GRADE. PEA GRAVEL IS NOT ALLOWED.
8. PLEASE TAKE CARE WHEN DIGGING FOR THE FOOTINGS. THE USE OF ROCK UNDER FOOTINGS CAN FACILITATE WATER ACCUMULATION UNDER THE FLOOR SLAB/BASEMENT AND CONTRIBUTE TO FLOODING AS THE GROUND WATER LEVEL RISES DURING EXTREMELY WET PERIODS. THEREFORE, CRUSHED ROCK CANNOT BE PERMITTED UNDER FOUNDATIONS UNLESS A SOILS REPORT BY AN ILLINOIS LICENSED SOILS ENGINEER SPECIFICALLY ADDRESSES THE EXISTING AND POTENTIAL HIGH LEVELS OF GROUND WATER TABLE AND ADEQUATE PREVENTIVE MEASURES TO PROTECT THE HOMEOWNER.
9. CONTROL JOINTS FOR 4" SLABS SHALL BE AT A MAXIMUM OF 8' INTERVALS.
10. FIELD VERIFY SAW CUT CONTROL JOINTS ARE INSTALLED WITHIN 24 HOURS OF FINAL FINISHING OF CONC.
11. A WRITTEN RECORD PROVIDED FROM THE MATERIAL SUPPLIER SHALL BE PROVIDED TO THE LOCAL AUTHORITY UPON COMPLETION OF DELIVERY OF CONCRETE. THE RECORDS SHALL CONTAIN THE FOLLOWING:
  - A. TIME THAT WATER WAS INTRODUCED TO THE CONC. MIX
  - B. TIME AT THE END OF THE CONCRETE POUR
  - C. CEMENT MIX RATIO
  - D. AMOUNT OF WATER ADDED ON SITE
  - E. TOTAL NUMBER OF DRUM REVOLUTIONS
  - F. AMOUNT OF CHLORIDE ADDED TO THE CEMENT MIX
  - G. AMOUNT OF ADMIXTURES IN CEMENT MIX
  - H. AIR CONTENT OF CEMENT MIX

WALL LEGEND - SUB-LEVEL

| LOCATION        | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                                                                   |
|-----------------|--------|-------------|--------------|-----------------------------------------------------------------------------------------------|
| EXTERIOR<br>(1) | ---    | ---         |              | 10" CONCRETE FOUNDATION WALL<br>w/ 2" #5 TOP MIDDLE + BOTTOM ON<br>20" X 10" CONCRETE FOOTING |

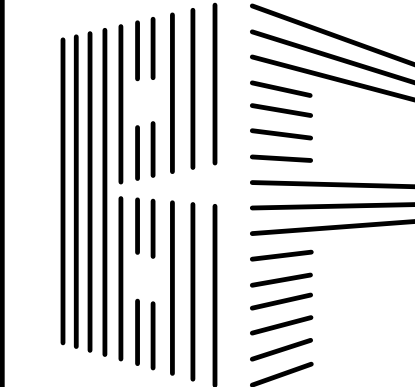


FOUNDATION PLAN

SCALE 1/4" = 1'-0"







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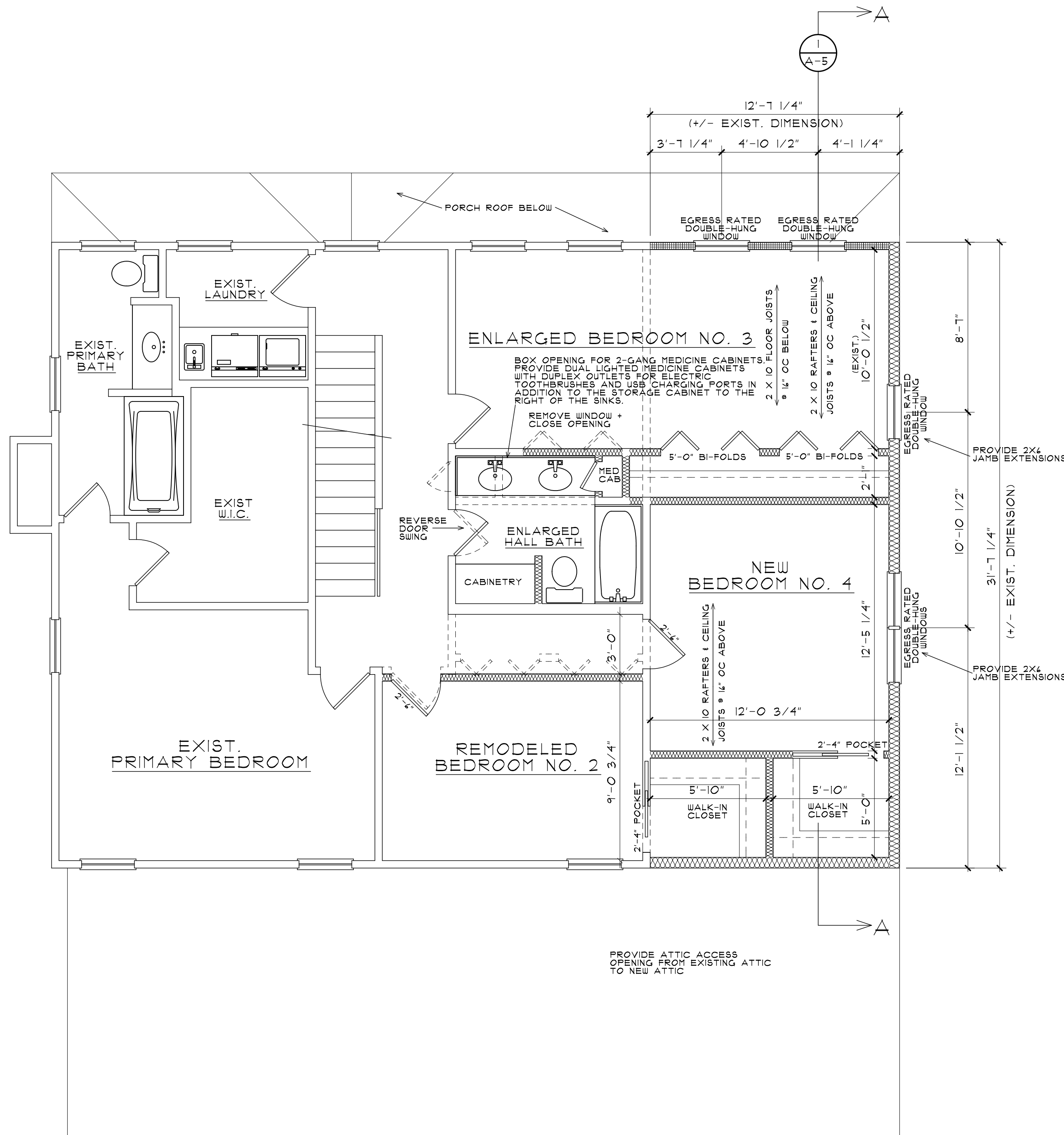
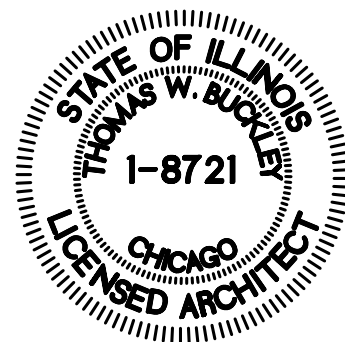
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ADDITION

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| 3-12-23 | PERMIT      |



SECOND FLOOR CONSTRUCTION PLAN

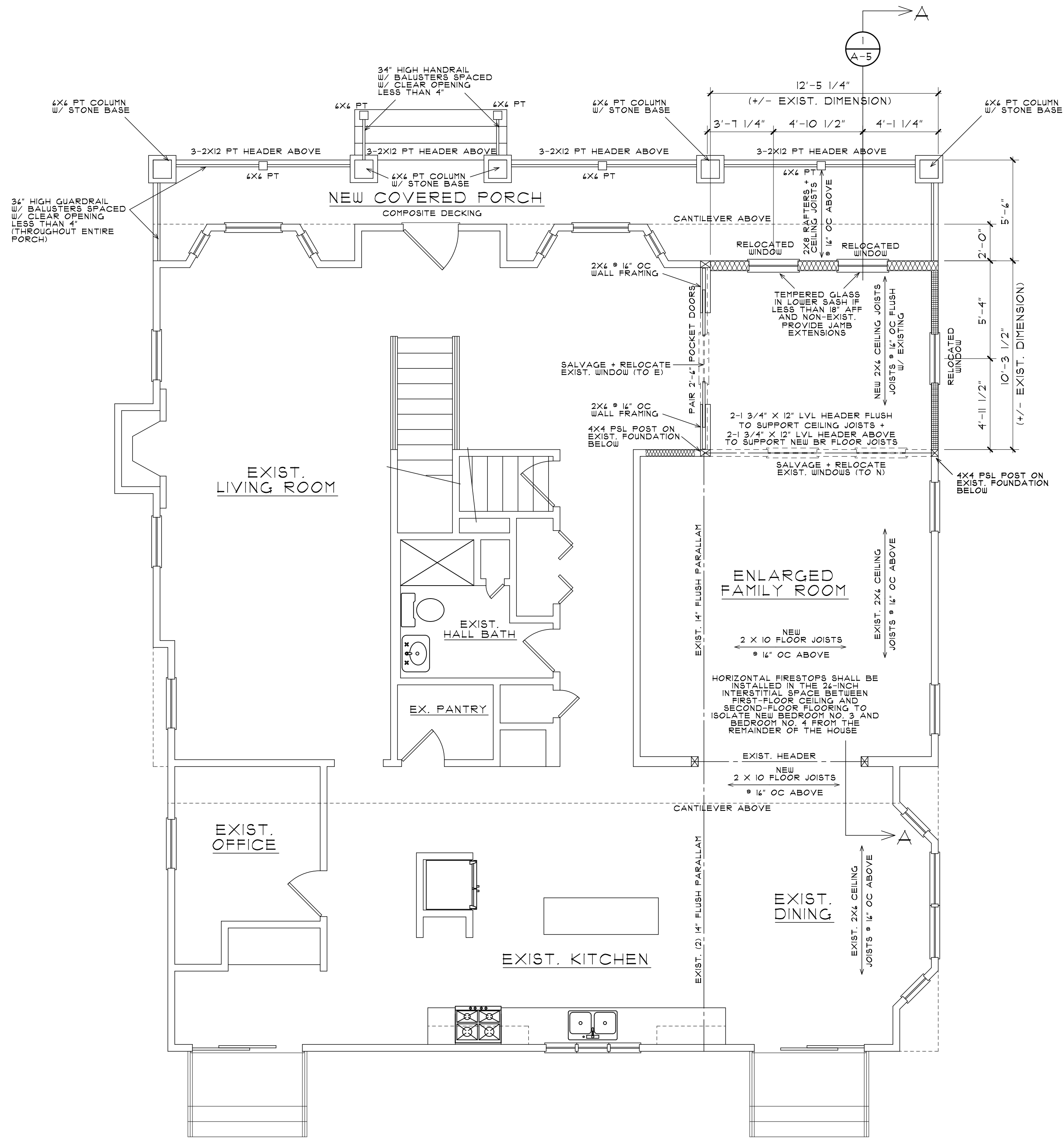
SCALE 1/4" = 1'-0"



| ATTIC VENTILATION CALCS:                                                                                        |                        |               |
|-----------------------------------------------------------------------------------------------------------------|------------------------|---------------|
|                                                                                                                 | REQUIRED               | ACTUAL        |
| 1/300 OF CEILING AREA.                                                                                          | 400 / 300 = 1.33 SF    |               |
|                                                                                                                 | 1.83 x 144 = 192 SQ.IN |               |
| 50% - 40% SOFFIT                                                                                                |                        |               |
| 40% - 50% RIDGE/UPPER                                                                                           |                        |               |
| SOFFIT                                                                                                          |                        |               |
| 4" x 12" SOFFIT VENTS                                                                                           |                        | 3 X 48 = 144  |
| RIDGE/UPPER                                                                                                     |                        |               |
| 1" SLOT OPENING FOR RIDGE VENT                                                                                  |                        | 1 X 120 = 120 |
| TOTAL VENTING PROVIDED                                                                                          |                        | 264           |
| TOTAL SOFFIT VENTING PROVIDED                                                                                   |                        | 144 (54.5%)   |
| TOTAL RIDGE/UPPER PROVIDED                                                                                      |                        | 120 (45.5%)   |
| RIDGE VENT TO BE COVERED WITH CORROSION-RESISTANT MESH OR OTHER APPROVED MATERIAL WITH OPENING NOT MORE THAN 1" |                        |               |

R905.1.2 ICE BARRIERS

IN AREAS WHERE THERE HAS BEEN A HISTORY OF ICE FORMING ALONG THE EAVES CAUSING A BACKUP OF WATER AS DESIGNATED IN TABLE R902.2(1), AN ICE BARRIER SHALL BE INSTALLED FOR ASPHALT SHINGLES, METAL ROOF SHINGLES, MINERAL-SURFACED ROLL ROOFING, SLATE AND SLATE-TYPE SHINGLES, WOOD SHINGLES AND WOOD SHAKES. THE ICE BARRIER SHALL CONSIST OF NOT FEWER THAN TWO LAYERS OF UNDERLAYMENT CEMENTED TOGETHER, OR A SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN PLACE OF NORMAL UNDERLAYMENT AND EXTEND FROM THE LOWEST EDGES OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES (610 MM) INSIDE THE EXTERIOR WALL LINE OF THE BUILDING. ON ROOFS WITH SLOPE EQUAL TO OR GREATER THAN 8 UNITS VERTICAL IN 12 UNITS HORIZONTAL, THE ICE BARRIER SHALL ALSO BE APPLIED NOT LESS THAN 36 INCHES (915 MM) MEASURED ALONG THE ROOF SLOPE FROM THE EAVE EDGE OF THE BUILDING.



FIRST FLOOR CONSTRUCTION PLAN

SCALE 1/4" = 1'-0"



| LIGHT + VENT SCHEDULE  |      |                     |        |                     |        |
|------------------------|------|---------------------|--------|---------------------|--------|
| ROOM                   | AREA | LIGHT               |        | VENT                |        |
|                        |      | REQUIRED<br>8% AREA | ACTUAL | REQUIRED<br>4% AREA | ACTUAL |
| ENLARGED FAMILY ROOM   | 383  | 30.6                | 15     | 15.3                | 31.5   |
| ENLARGED BEDROOM NO. 3 | 220  | 17.6                | 65     | 8.8                 | 32.5   |
| NEW BEDROOM NO. 4      | 150  | 12.0                | 24     | 6.0                 | 13     |
| REMODELED HALL BATH    | 65   | ---                 | ---    | 45CFM               | 10CFM  |

| WALL LEGEND                  |        |             |              |                                                                                                |
|------------------------------|--------|-------------|--------------|------------------------------------------------------------------------------------------------|
| LOCATION                     | UL NO. | FIRE RATING | CONSTRUCTION | DESCRIPTION                                                                                    |
| EXTERIOR                     | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL (INT) OSB (EXT) (R-21 CAVITY INSULATION)                 |
| EXTERIOR (GARAGE)            | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL (INT) OSB (EXT) (CLOSED-CELL SPRAY-FOAM INSULATION R-21) |
| INTERIOR-I                   | ---    | ---         |              | 2X4 WD STUDS @ 16" OC W/ 1/2" DRYWALL EA FACE                                                  |
| EXISTING WALLS TO REMAIN     |        |             |              | EXISTING WALL CONSTRUCTION                                                                     |
| EXISTING WALLS TO BE REMOVED |        |             |              | EXISTING WALL CONSTRUCTION                                                                     |



ELEVATION NOTES:

1. WINDOW SIZES BASED ON FRAME SIZES; ROUGH OPENINGS TO BE VERIFIED W/ CHOSEN WINDOW MANUF. & CONTRACTOR PRIOR TO CONSTRUCTION
2. FRAME SIZES TO BE FOLLOWED AS CLOSE AS POSSIBLE PER DIFFERENT MANUF.
3. BEDROOM WINDOWS TO HAVE EGRESS HARDWARE & FOLLOW EGRESS REQ'MNTS AS LABELED ON ELEVATIONS.
4. WINDOWS IN WHICH THE BOTTOM EDGE OF THE WINDOW IS LESS THAN 18" ABOVE THE TOP OF THE FLOOR ARE REQUIRED TO BE TEMPERED.
5. EXISTING WINDOWS WHICH ARE TO BE REMOVED & REPLACED SHALL BE VERIFIED IN THE FIELD FOR SIZES.
6. FIELD VERIFY EMERGENCY ESCAPE & RESCUE OPENINGS IN SLEEPING ROOMS

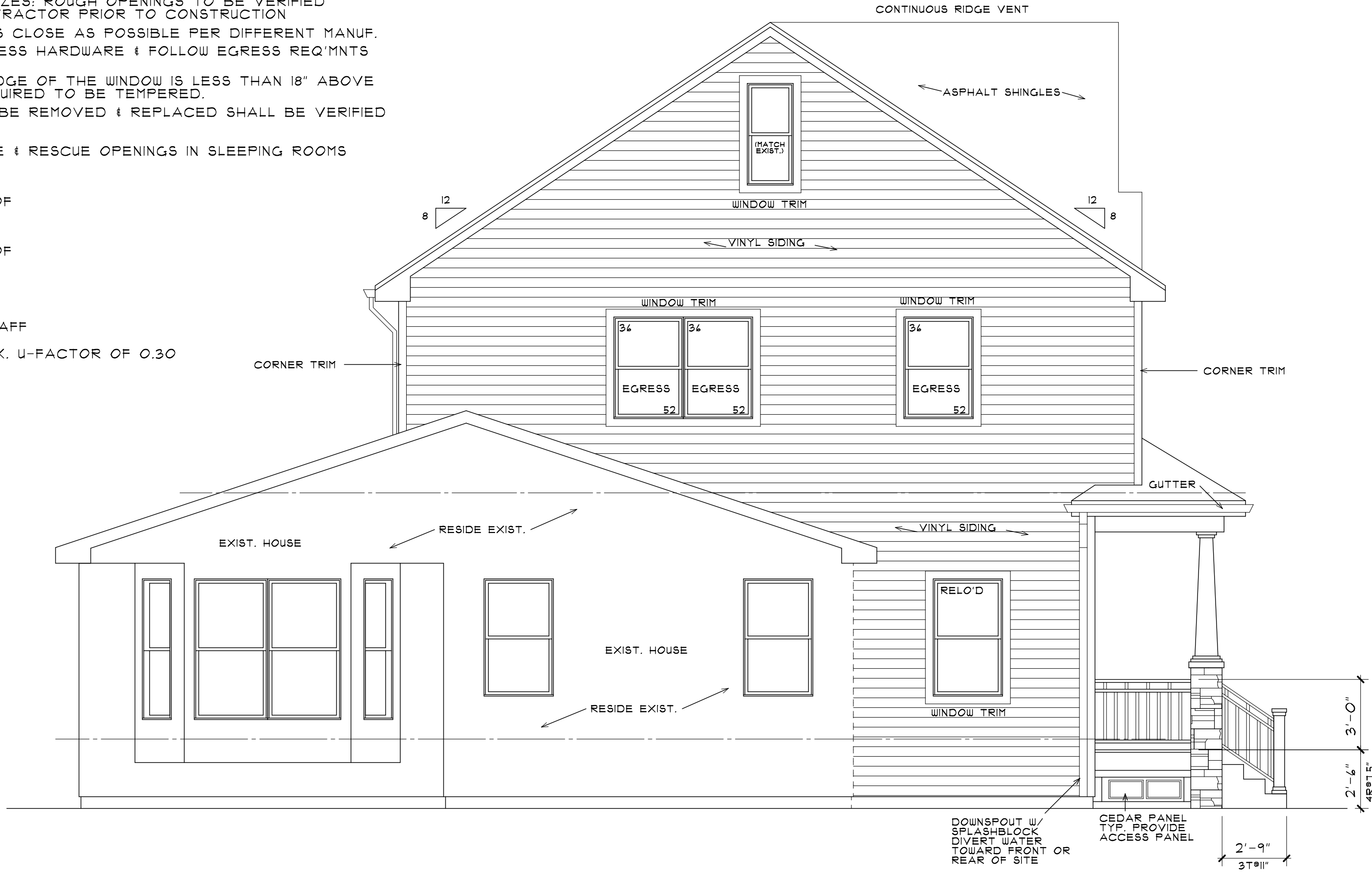
EGRESS WINDOW REQUIREMENTS

PROVIDE A NET CLEAR OPENING OF 5.7 SF OR GREATER, ACHIEVED BY SIMPLY OPENING THE WINDOW

PROVIDE A NET CLEAR OPENING OF 5.0 SF OR GREATER, FOR GRADE LEVEL WINDOWS

A MINIMUM CLEAR WIDTH OF 20"  
A MINIMUM CLEAR HEIGHT OF 24"  
A SILL HEIGHT OF LESS THAN 44" AFF

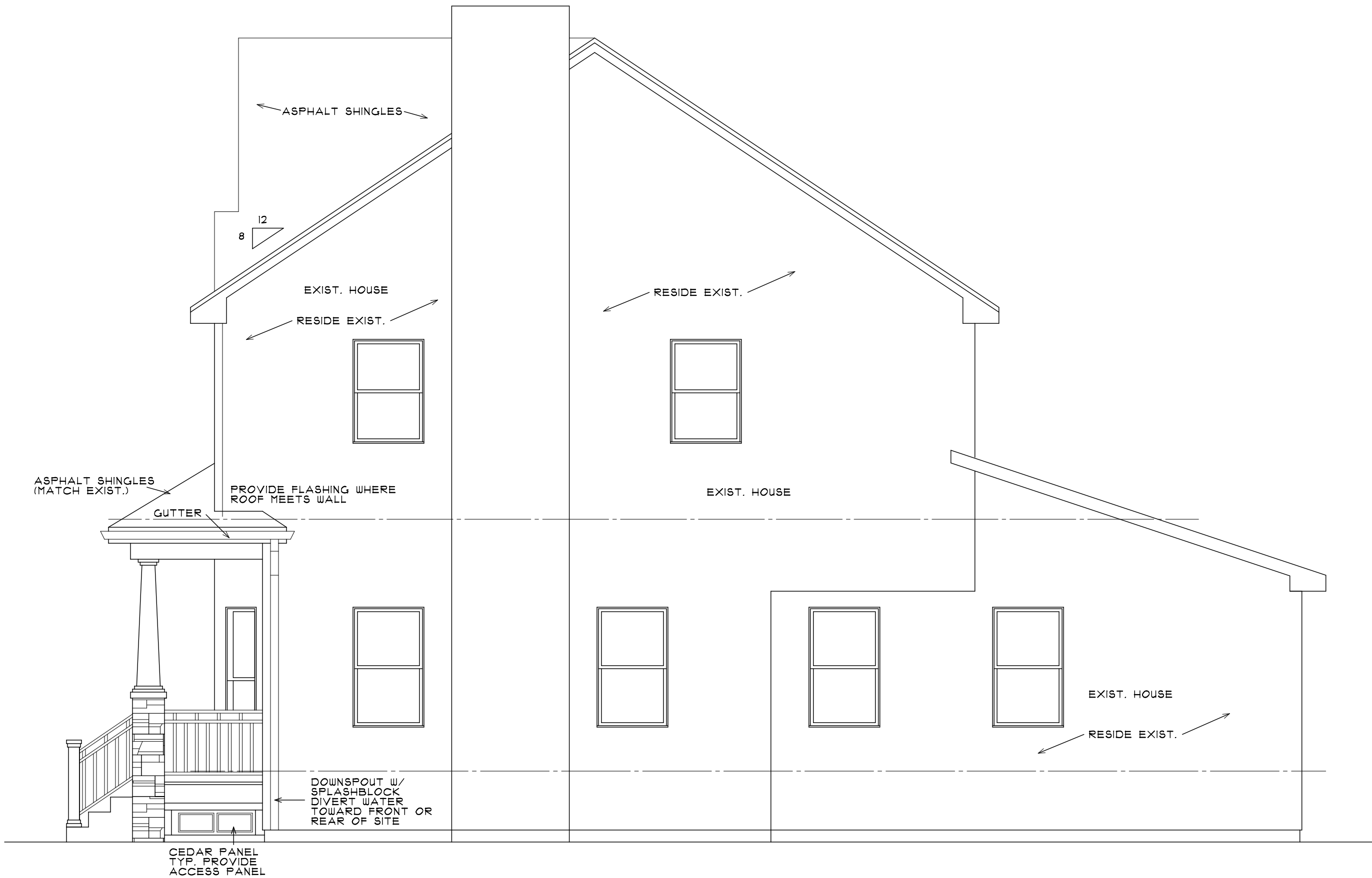
7. ALL NEW WINDOWS TO HAVE A MAX. U-FACTOR OF 0.30



EAST ELEVATION

SCALE 1/4" = 1'-0"

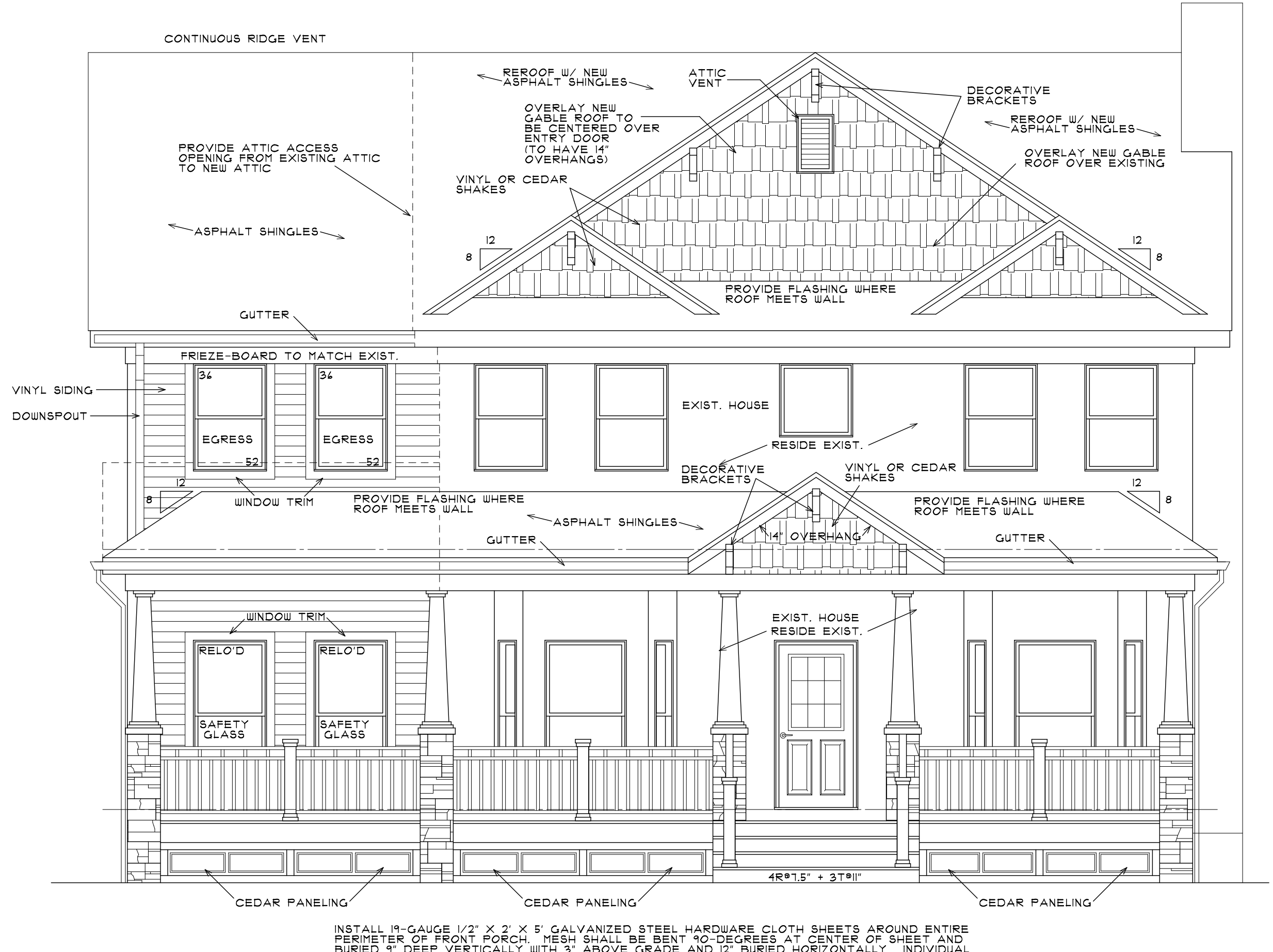
REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING



WEST ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING

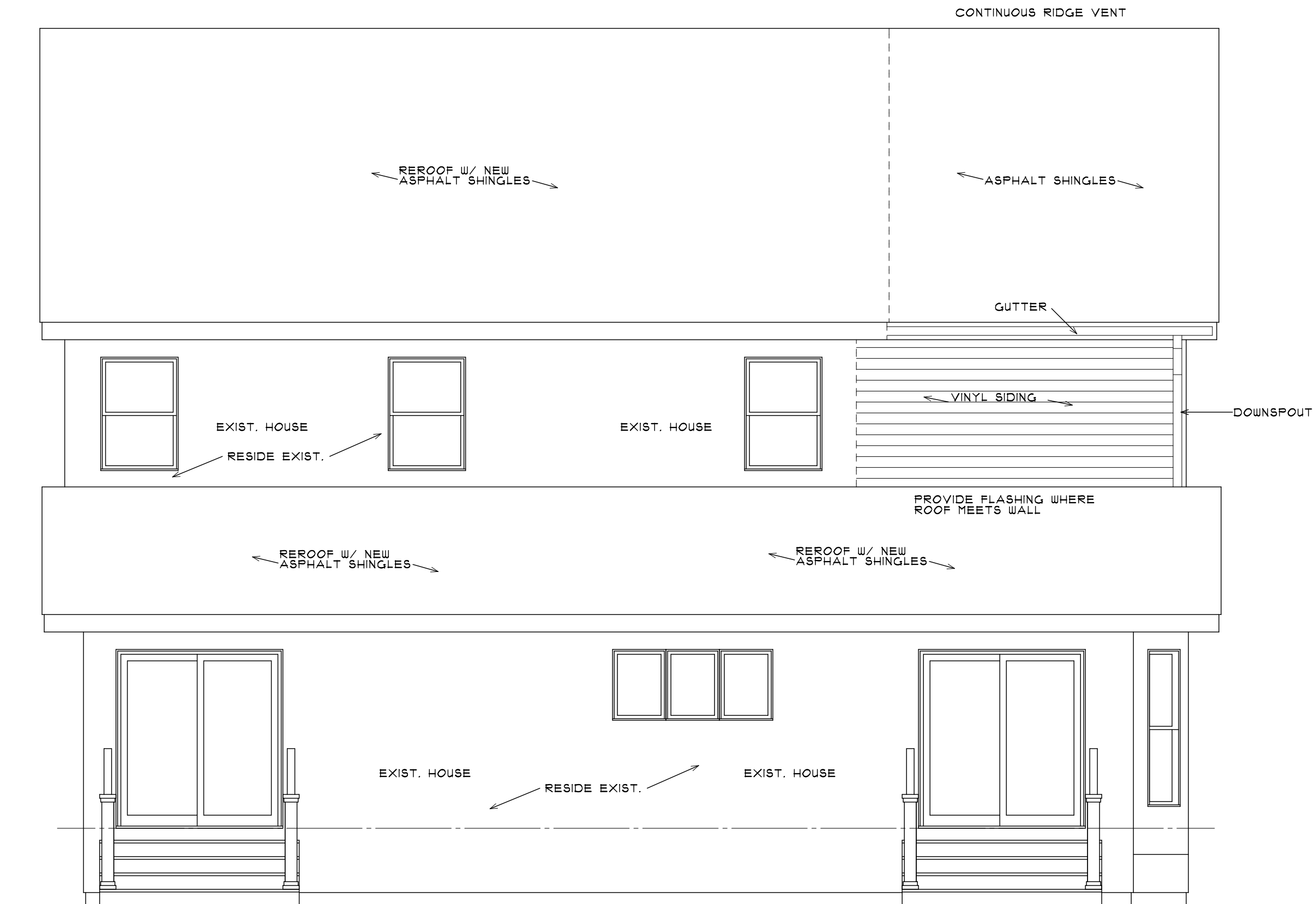


NORTH ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING

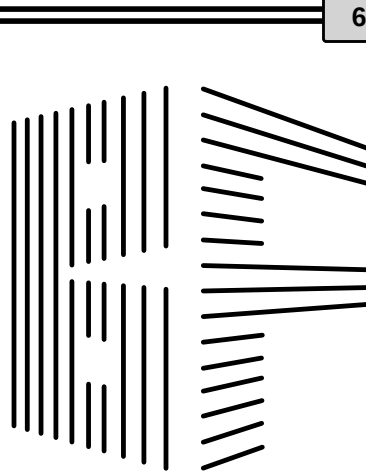
INSTALL NUMBER OR ADDRESS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET ABOVE THE FRONT DOOR.  
TYPICALLY 4" - 6" HIGH LETTERS, COLOR CONTRASTING W/ A BACKGROUND.



SOUTH ELEVATION

SCALE 1/4" = 1'-0"

REROOF ENTIRE HOUSE W/ NEW ASPHALT SHINGLES  
RESIDE ENTIRE HOUSE W/ NEW VINYL SIDING



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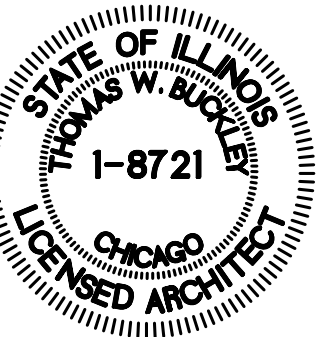
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

PROJECT NO. CHR  
DRAWN BY JF

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| DATE    | DESCRIPTION |
|---------|-------------|
| 7-12-21 | PRELIMINARY |
| 8-21-21 | PRICING     |
| 7-1-22  | REVISIONS   |
| 3-12-23 | PERMIT      |





ENERGY CONSERVATION NOTE:

1. A PERMANENT CERTIFICATE SHALL BE POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED. A UTILITY ROOM OR AN APPROVED LOCATION IN THE BUILDING. IT SHALL LIST THE R-VALUES OF INSULATION INSTALLED, U-FACTORS OF GLAZING, DUCT TESTING & BLOWER TEST RESULTS. (2018 IECC R401.3)

FIRE PROTECTION

1. PROVIDE FIRE-BLOCKING CONFORMING TO IRC R402.8
2. IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF FLOOR/CEILING ASSEMBLY, DRAFT STOPPING SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 500 SQ FT OR 25 FT IN ANY HORIZONTAL DIRECTION. DRAFT STOPPING SHALL BE DIVIDED IN EQUAL AREAS.
3. FIRESTOPPING TO BE INSTALLED AT ALL PLATE PENETRATIONS, SOFFITS, FURRED SPACES CONCEALED SPACES, ETC. AS PER THE BUILDING CODE.
4. FIREBLOCKING SHALL BE IN THE FOLLOWING LOCATIONS:
- 1) IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS:
    - A) VERTICALLY AT THE CEILING AND FLOOR LEVELS
    - B) HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET
  - 2) AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES FOR SOFFITS, DROP CEILINGS AND COVER CEILINGS, ETC.
  - 3) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN
  - 4) AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT THE CEILING AND FLOOR LEVELS (SECTION: IRC R302.11)
5. WHEN ALTERATIONS, REPAIRS OR ADDITIONS REQUIRING A PERMIT OCCUR, THE ENTIRE BUILDING SHALL BE PROVIDED WITH SMOKE DETECTORS LOCATED AS REQUIRED FOR NEW DWELLINGS. (IRC R 311.1) SMOKE DETECTORS SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA VICINITY OF BEDROOMS & ON EACH ADDITIONAL STORY INCLUDING BASEMENTS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN SPLIT LEVEL HOMES A SMOKE DETECTOR NEED BE INSTALLED ON UPPER LEVEL IF LOWER LEVEL IS LESS THAN FULL STORY BELOW. SMOKE DETECTORS SHALL HAVE BATTERY BACKUP (IRC R311.1) VERIFY EXISTING, ADD AS NEEDED. IN AREAS WHERE NO OTHER WORK IS DONE WE WILL CONSIDER USING BATTERY ONLY DEVICES. SMOKE DETECTORS IN EXISTING AREAS ARE NOT TO BE HARDED.
6. FOAM PLASTIC FINISHES AND CORES SHALL BE IGNITION PROTECTED OR HAVE A FLAME SPREAD RATING OF NOT MORE THAN 15 AND SMOKE-DEVELOPED RATING OF NOT MORE THAN 450 WHEN TESTED IN MAX. THICKNESS INTENDED FOR USE. (IRC R318.1) THE APPROVED TESTES: ASTM E 83, FM 4880, UL 41040, ASTM E 152 OR UL 1115. (R318.3)

STRUCTURAL

1. ALL WALLS WILL BE PROVIDED WITH A DOUBLE TOP PLATE LAPPED AT THE CORNERS.
2. CONSTRUCTION LUMBER TO BE SPF CONSTRUCTION GRADE NO. 2  
F<sub>e</sub> = 1000 PSI MODULUS OF ELASTICITY 1,000,000
3. LUMBER WITH SPANS GREATER THAN 20' TO BE DOUGLAS FIR  
CONSTRUCTION GRADE NO. 2  
F<sub>e</sub> = 1200 PSI MODULUS OF ELASTICITY 1,000,000
4. ALL BEARING PARTITIONS W/ PIPES LARGER THAN 3/4" AND ALL NON-BEARING PARTITIONS W/ PIPES LARGER THAN 1 1/4" SHALL BE INCREASED TO A MIN. 2 X 4 STUD WALL TO APPROPRIATELY ACCOMMODATE THE MAX. NOTCHING AND BORING RESTRICTIONS.
5. ALL INTERIOR WALL FRAMING, UNLESS OTHERWISE NOTED, TO BE 2 x 4 STUDS @ 16" OC W/ 1/2" DRYWALL EACH SIDE.
6. PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS. OPENINGS IN FLOOR CONSTRUCTION SHALL BE FRAMED WITH DOUBLE HEADER AND TRIMMER JOISTS. PROVIDE JOIST HANGERS AS REQUIRED.
7. PROVIDE 2 - 2 X 12 HEADER WITH 1/2" PLYWOOD AND SINGLE CRIPPLE FOR SPANS UP TO 4'. SEE PLAN FOR SPANS GREATER THAN 4'; PROVIDE DOUBLE CRIPPLE FOR SPANS EXCEEDING 4'.
8. ALL RAFTER TIES SHALL BE PROVIDED IN ACCORDANCE WITH IRC R802.11.1. RESULTING UPLIFT FORCES FROM THE TIES SHALL BE TRANSMITTED TO THE FOUNDATION.
9. RIDGE BOARD SHALL BE AT LEAST TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER, VALLEY & HIP RAFTERS SHALL NOT BE LESS THAN TWO-INCH (2") NOMINAL THICKNESS & NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTERS.
10. HIP RAFTERS TO BE SUPPORTED AT THE RIDGE BY A BRACE TO A BEARING PARTITION OR BE DESIGNED TO CARRY & DISTRIBUTE THE SPECIFIC LOAD AT THAT POINT.
11. CUTS, NOTCHES AND HOLES BORED IN TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH ARE SPECIFICALLY ADDRESSED. (SECTION: R502.8.2)
12. EXTERIOR OR LOAD BEARING WALLS WITH PLATES CUT, DRILLED OR NOTCHED MORE THAN 50% OF THE WIDTH OF THE STUD SHALL HAVE A GALVANIZED METAL TIE 1/4 GAGE AND 1 1/2 INCHES (1 1/2") WIDE FASTENED TO EACH PLATE. (SECTION: R402.6.1)
13. EXTERIOR OR LOAD BEARING WALLS WITH STUDS DRILLED WITHIN 5/8" OF THE FACE OF THE STUD SHALL BE REINFORCED WITH A STRUCTURAL STUD SHOE. (SECTION R402.6)
14. ALL PLUMBING WALLS WITH DRAIN, WASTE AND VENT PIPING RUNNING HORIZONTALLY SHALL BE FRAMED W/ 2X4 STUDS.

THERMAL AND MOISTURE PROTECTION

- ROOFING:
1. SHINGLES SHALL COMPLY W/ASTM D225 OR D3442. PROVIDE NO LESS THAN 4 NON-CORROSIVE FASTENERS PER STRIP. BASE FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK OR MINERAL SURFACE ROLL 11#/100 SF. CAP FLASHING TO BE CORROSIVE-RESISTANT METAL MIN. .019 INCH THICK, OPEN VALLEYS TO BE LINED W/ METAL 24" (MIN.) WIDE OR 2 PLIES OF MINERAL SURFACE ROLL 36" (MIN.) WIDE, CLOSE VALLEY THE SAME AS OPEN VALLEY OR ONE PLY MIN. 36" WIDE.
2. ICE AND WATER SHIELD IS REQUIRED IN ALL VALLEYS (UP 18" ON EACH SIDE) AND ON EAVES. A MINIMUM OF 2'-0" BEYOND THE INTERIOR WALL LINE.
3. R-VALUE SHALL BE INDICATED ON INSULATION OR CERTIFICATION OF THE INSTALLED R-VALUE SHALL BE PROVIDED AT THE JOB SITE BY THE INSULATION INSTALLER.
4. GLAZING: MAXIMUM ALLOWED GLAZING U FACTOR IS .30 (BTU/HR\*FT2\*F) GLAZING U-FACTOR SHALL BE SHOWN ON THE WINDOW LABEL DURING INSPECTION
5. AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR SEALED BOXES SHALL BE INSTALLED.
6. ACCESS DOORS FROM CONDITIONED TO UNCONDITIONED SPACE SHALL BE WEATHER-STRIPPED AND AND INSULATED TO A LEVEL EQUIVALENT TO INSULATION ON THE SURROUNDING SURFACES.
7. FENESTRATION SHALL BE LISTED AND LABELED BY THE MANUFACTURER. THE MAX AIR INFILTRATION OF WINDOWS, SKYLIGHTS, AND SLIDING GLASS DOORS IS 0.3 CFM PER SQ FT, MAX AIR INFILTRATION OF SWINGING DOORS IS 0.5 CFM PER SQ FT.
8. WHERE EAVE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MINIMUM OF A ONE-INCH (1") SPACE SHALL BE PROVIDED BETWEEN THE INSULATION & THE ROOF SHEATHING AT THE LOCATION OF THE VENT.
9. THE VAPOR BARRIER SHALL BE LAPPED 12 INCHES AND THE SEAMS SEALED WITH COMPATIBLE GLUES.

| DOOR + WINDOW WOOD HEADER SIZES<br>(UNLESS NOTED DIFFERENTLY ON PLANS) |                                               |                                               |        |
|------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------|
| SPAN/OPENING                                                           | HEADER SIZE                                   | # JACKS                                       |        |
| LESS THAN 3'                                                           | 2-2X6s                                        | 2                                             |        |
| 3' - 3'-8"                                                             | 2-2X8s                                        | 2                                             |        |
| 3'-8" - 4'-6"                                                          | 2-2X10s                                       | 2                                             |        |
| 4'-6" - 5'-6"                                                          | 2-2X12s                                       | 2                                             |        |
| GREATER THAN 5'-6"                                                     | SEE PLAN                                      | 2                                             |        |
| WOOD HEADER/BEAM SUPPORT COLUMNS                                       |                                               |                                               |        |
| BEAM/HEADER                                                            | COLUMN<br>(IN 2X4 WALL)                       | COLUMN<br>(IN 2X6 WALL)                       | DETAIL |
| DIMENSIONAL LUMBER (2X12X10X2X8,2X6,2X4)                               | (EA END)<br>(2)2X4 JACK<br>2X4 KING STUD      | (EA END)<br>(2)2X4 JACK<br>2X6 KING STUD      |        |
| 2-1 3/4" LVLs                                                          | (ONE EA END)<br>4X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>4X4 PSL POST<br>2X6 KING STUD |        |
| 3-1 3/4" LVLs                                                          | (ONE EA END)<br>6X4 PSL POST<br>2X4 KING STUD | (ONE EA END)<br>6X4 PSL POST<br>2X6 KING STUD |        |

ELECTRICAL

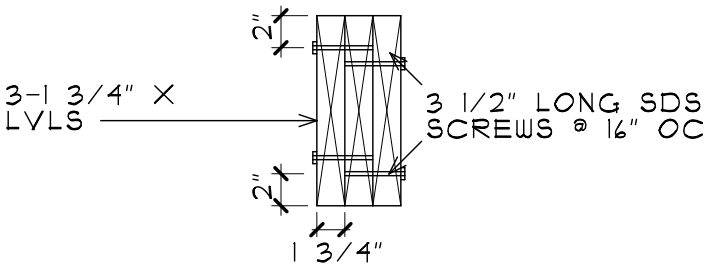
1. ALL WIRING 25 VOLTS OR GREATER TO BE IN ELECTRIC METALLIC TUBING. PVC IS NOT PERMITTED.
2. CEILING FANS BELOW 35# TO BE SUPPORTED FROM APPROVED OUTLET BOX OR DIRECTLY FROM STRUCTURE. CEILING FANS ABOVE 35# TO BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX.
3. ALL RECEPTACLES REQUIRE A PIGTAIL GROUNDING WIRE TO THE BOX.
4. RECEPTACLE RATING FOR A 20 AMP CIRCUIT SHALL BE 20 AMPS.
5. EACH GENERAL LIGHTING CIRCUIT SHALL NOT HAVE MORE THAN 10 POWER CONSUMING DEVICES CONNECTED TO IT. THE CIRCUIT BREAKER SHALL NOT EXCEED 15 AMPS.
6. PROVIDE A GROUND WIRE IN ALL RACEWAYS.
7. ALL SMOKE DETECTORS ARE REQUIRED TO BE 110V BATTERY BACK-UP, INTERCONNECTED AND WIRED TO A GENERAL LIGHTING CIRCUIT.
8. ELECTRICAL RECEPTACLES ARE REQUIRED TO BE SELF-GROUNDING.
9. ALL ELECTRICAL CONDUCTORS ARE TO BE SOLID OR STRANDED COPPER IN ELECTRICAL METALLIC TUBING.
10. RECEPTACLE SPACING SHALL BE PROVIDED WITHIN 4'-0" OF EVERY OPENING, EVERY 12'-0" THEREAFTER AND ON ANY WALL 2'-0" WIDE OR WIDER.
11. SURFACE MOUNTED INCANDESCENT FIXTURES INSTALLED NO CLOSER THAN 12" TO THE NEAREST STORAGE SPACE. SURFACE MOUNTED FLUORESCENT FIXTURES INSTALLED NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE. RECESSED INCANDESCENT AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER AND FLUORESCENT FIXTURES W/ COMPLETELY ENCLOSED LAMP NO CLOSER THAN 4" TO THE NEAREST STORAGE SPACE
12. ALL 120-VOLT, SINGLE PHASE, 15-20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS REQUIRE AFCI PROTECTION.
13. ALL NEW 125 VOLT, 15- AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
14. BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY AT LEAST ONE 20 AMP BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
15. RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC RATED AND LABELED AS MEETING ASTM E 283 WHEN TESTED AT 1ST PSF (15 PA) PRESSURE DIFFERENTIAL W/ NO MORE THAN 2.0 CFM (0.944 L/S) OF AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE CEILING CAVITY. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.
16. ALL CEILING BOXES IN HABITABLE AREAS SHALL BE LISTED & APPROVED FOR FAN INSTALLATIONS.
17. ALL RECEPTACLES LOCATED IN A PORTION OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS SHALL BE GFCI PROTECTED.
18. INSTALL CARBON MONOXIDE ALARMS WITHIN 15 FEET OF EVERY ROOM USED FOR SLEEPING PURPOSES
19. A MIN. OF 90% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.
20. SMOKE DETECTORS TO BE LOCATED A MINIMUM OF 3 FT FROM THE TIP OF CEILING FAN BLADES AND A MIN. 3 FT FROM THE ENTRANCE TO A BATHROOM, KITCHEN, OR LAUNDRY.
21. FIELD VERIFY ALL LOW VOLTAGE WIRING, PHONE, DOORBELL, THERMOSTAT, FIRE AND BURGLAR IS INSTALLED IN CONDUIT WHERE SUCH WIRING WILL BE RENDERED INACCESSIBLE BY FINISHED MATERIALS, OR WHERE SUBJECT TO PHYSICAL DAMAGE.
22. PROVIDE TAMPER-RESISTANT WALL RECEPTACLE OUTLETS IN ALL BEDROOMS.
23. PROVIDE A NEUTRAL WIRE AT EACH SWITCH BOX LOCATION.
24. 14AWG CU CONDUCTORS CANNOT BE USED FOR A BRANCH CIRCUIT LARGER THAN 15A.
25. LUMINAIRES LOCATED ABOVE SHOWERS & ABOVE TUBS WITH SHOWERS SHALL BE MARKED BY THE MANUFACTURER S SUITABLE FOR USE IN "WET" LOCATIONS, AND LUMINAIRES LOCATED ABOVE BATHTUBS, AND WITHIN 3 FEET OF THE EDGE OF THE TUB RIM ARE TO BE MARKED BY THE MANUFACTURER AS SUITABLE FOR USE IN "DAMP" LOCATIONS.
26. WHERE A LIGHTING OUTLET INSTALLED IN THE CEILING OF A DWELLING UNIT IS LOCATED SUCH THAT THE LOCATION MAKES IT FEASIBLE TO ATTACH A CEILING FAN TO THE OUTLET BOX, THE OUTLET BOX SHALL BE FAN RATED, REGARDLESS OF THE INITIAL INTENTIONS OF USE FOR THE OUTLET BOX. (NEC 314.3(A) INCLUDING ALL CEILING LIGHTS CENTERED IN A ROOM/SPACE.

HVAC

1. SUPPLY AND RETURN DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED TO A MIN. OF R-8 WHERE 3 INCHES OR LARGER AND R-6 WHERE LESS THAN 3 INCHES IN DIAMETER. ALL OTHER DUCTS SHALL BE INSULATED TO A MIN. OF R-6 WHERE 3 INCHES AND LARGER AND R-4.2 WHERE LESS THAN 3 INCHES. (IECC R403.3.1)
2. THE HVAC SYSTEM SHALL BE CONTROLLED BY A PROGRAMMABLE THERMOSTAT. (R403.1)
3. ALL DUCTWORK TO BE INSTALLED TO CODE PER IMC 403 & IECC 503.
4. MAXIMUM LENGTHS OF FLEXIBLE DUCTWORK PER IMC 403.5.1 & 403.5.2
5. EXHAUST FANS SHALL BE VENTED TO EXTERIOR (NOT ATTIC OR SOFFIT) THROUGH 4" FLEXIBLE METAL DUCTWORK EXHAUST FANS TO BE OF INTERMITTENT TYPE W/ A MIN. OF 50CFM. EXHAUST FANS TO BE EQUIPPED WITH BACK DRAFT DAMPER AND SHALL TERMINATE ON THE EXTERIOR OF THE BUILDING UTILIZING A ROOF CAP OR WALL JACK SYSTEM.
6. RETURN DUCTS ARE REQUIRED TO BE IN THE WALL SPACE ON THE OPPOSITE SIDE OF ROOM FROM SUPPLY DUCTS NEAR FLOOR LEVEL.
7. ALL DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED (IECC R403.2.2).
8. DUCT TIGHTNESS SHALL BE TESTED FOR AIR LEAKAGE FOR DUCTS NOT LOCATED IN THE CONDITIONED SPACE. TEST SHALL BE DONE PRIOR TO SCHEDULING THE FINAL INSPECTIONS. SUBMIT A WRITTEN REPORT TO THE BUILDING DEPARTMENT BY A CERTIFIED TESTER (BPI, RESNET, or IODET). 2018 IECC R403.3.3
9. NO PLUMBING OR VENT TERMINAL SHALL BE ANY LESS THAN TWELVE FEET (12') HORIZ. FROM ANY WINDOW OR AIR INTAKE
10. THE ADDITION SHALL PASS A BLOWER DOOR TEST AND A COPY OF THE RESULTS SHALL BE PROVIDED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING THE FINAL INSPECTIONS.
11. THE ADDITION SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 5 AIR CHANGES PER HOUR (ACH). TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E119 OR ASTM E 1827 AND REPORTED AT A PRESSURE OF 0.2 INCHES W.G. (1.56 PSF) (1.56 PA) BE DONE PRIOR TO CALLING FOR FINAL INSPECTION. SUBMIT SIGNED WRITTEN REPORT TO THE BUILDING DIVISION BY A CERTIFIED TESTER (BPI, RESNET, or IODET). 2018 IECC R403.4 & ILLINOIS STATE AMENDMENTS.

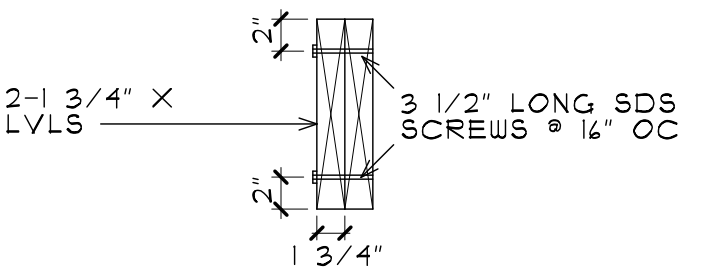
PLUMBING & VENTILATION

1. TEES AND CROSSES ARE NOT TO BE USED ON WASTE LINES.
2. HUBLESS PIPE OR FITTINGS ARE NOT TO BE USED.
3. THERE SHALL BE NO MORE THAN 2 CLOSETS ON 3" WASTE LINE.
4. NO END VENTING IS PERMITTED. THE STACK VENT SHALL GO DOWNSTREAM OF THE WASTE LINE.
5. WATER LINES TO SECOND FLOOR TO HAVE 18" AIR CHAMBERS.
6. ALL HOT WATER PIPING SHALL BE INSULATED TO A MIN. OF R-3. (IECC R403.4.1)
7. ALL NEW SHOWER VALVES SHALL BE PROVIDED WITH AN AUTOMATIC SAFETY WATER MIXING DEVICE PER ILL STATE PLUMBING CODE 890.490(b)).
8. PROVIDE LEAD ROOF FLASHING ON ALL PLUMBING STACKS.
9. AIR TEST REQ'D ON WATER PIPING OF 100# MIN. PRESSURE & 25# MIN. PRESSURE ON GAS PIPING.
10. WET VENTING, CIRCUIT VENTING, AND LOOP VENTING ARE NOT PERMITTED.
11. CONTRACTOR TO PROVIDE PLUMBING PIPING AS FOLLOWS:  
ABOVE GROUND WASTE - SCHEDULE 40 PVC, 1120 SERIES  
ABOVE GRADE WATER - TYPE "L" COPPER  
PROVIDE AIR CHAMBERS AT ALL FIXTURES, INCLUDING WATER CLOSETS.
12. ALL TUBS & SHOWERS NEED 2" P-TRAPS
13. ALL HAND HELD SHOWERS NEED VACUUM BREAKERS.
14. PROVIDE 1 - 4" VENT STACK THRU ROOF W/ LEAD FLASHING
15. MAXIMUM LENGTH 1 1/2" VENT PIPING IS 10'-0"
16. MAXIMUM LENGTH OF 1/2" WATER PIPING IS 10'-0". STACKTEST IS REQ'D ON WASTE & VENT SYSTEM AT THE TIME OF ROUGH AND UNDERGROUND INSPECTIONS.



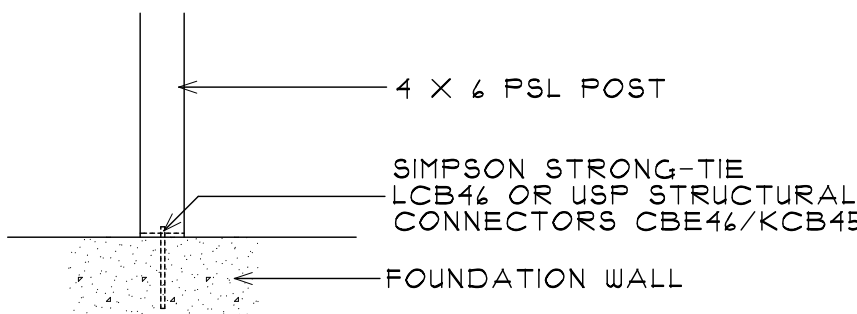
3-PLY LVL FASTENING DETAIL

SCALE: 1" = 1'-0"



2-PLY LVL FASTENING DETAIL

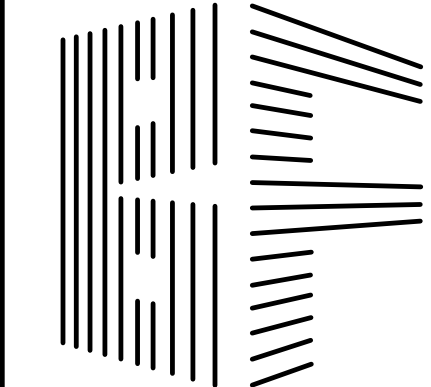
SCALE: 1" = 1'-0"



COLUMN BASE DETAIL

SCALE 1/2" = 1'-0"

(4X4 POST TO USE SIMPSON STRONG-TIE LCB44 OR USP STRUCTURAL CONNECTORS CBE44/KCB44)



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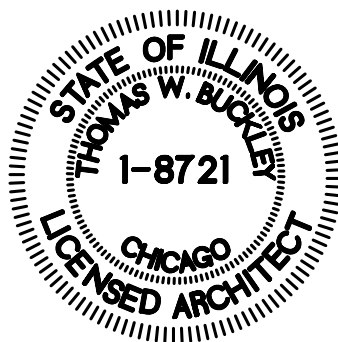
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
PERMIT SUBMITTAL

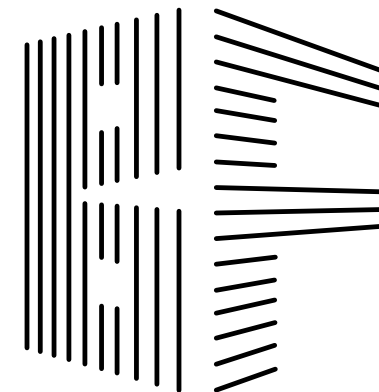
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| PROJECT NO. | CHR |
| DRAWN BY    | JF  |

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| DATE    | DESCRIPTION |
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| 7-1-22  | REVISIONS   |
| 3-12-23 | PERMIT      |







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RESIDENCE

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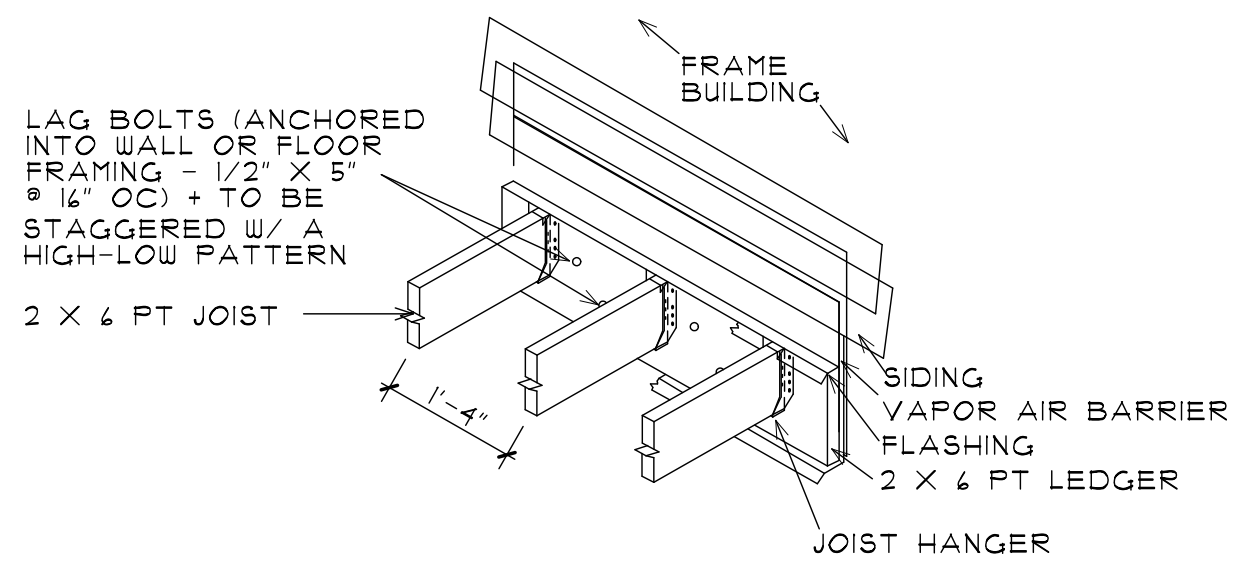
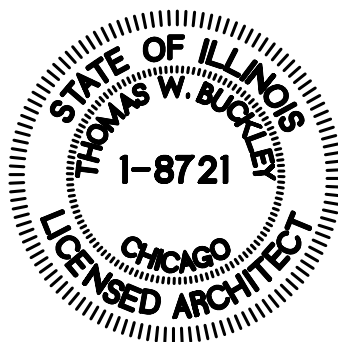
PROPOSED ROOM  
ADDITION

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LAG BOLTS (ANCHORED INTO WALL OR FLOOR FRAMING - 1/2" X 5" @ 16" OC) + TO BE STAGGERED W/ A HIGH-LOW PATTERN

2 X 4 PT JOIST

FRAME BUILDING

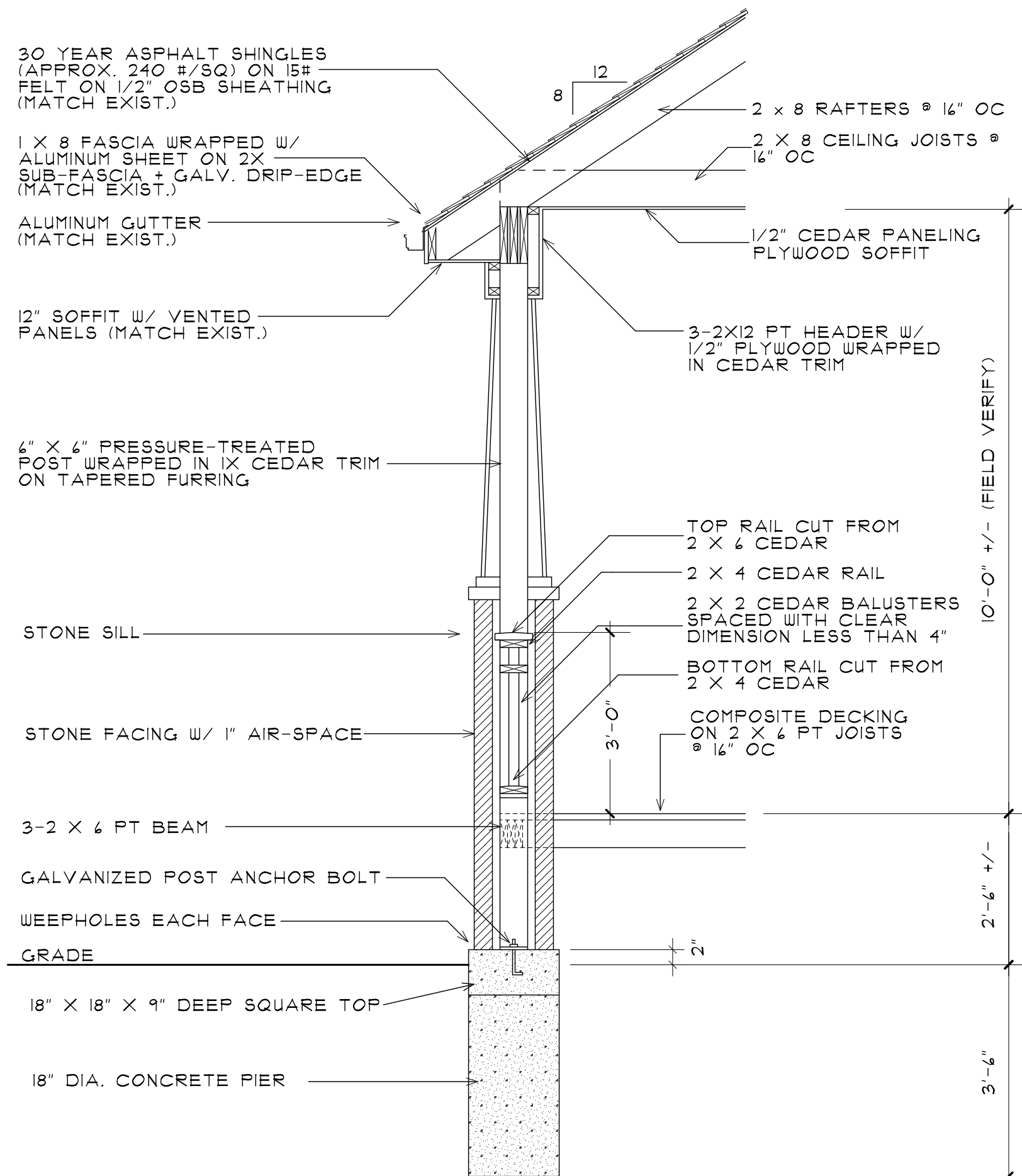
SIDING VAPOR AIR BARRIER FLASHING

2 X 4 PT LEDGER

JOIST HANGER

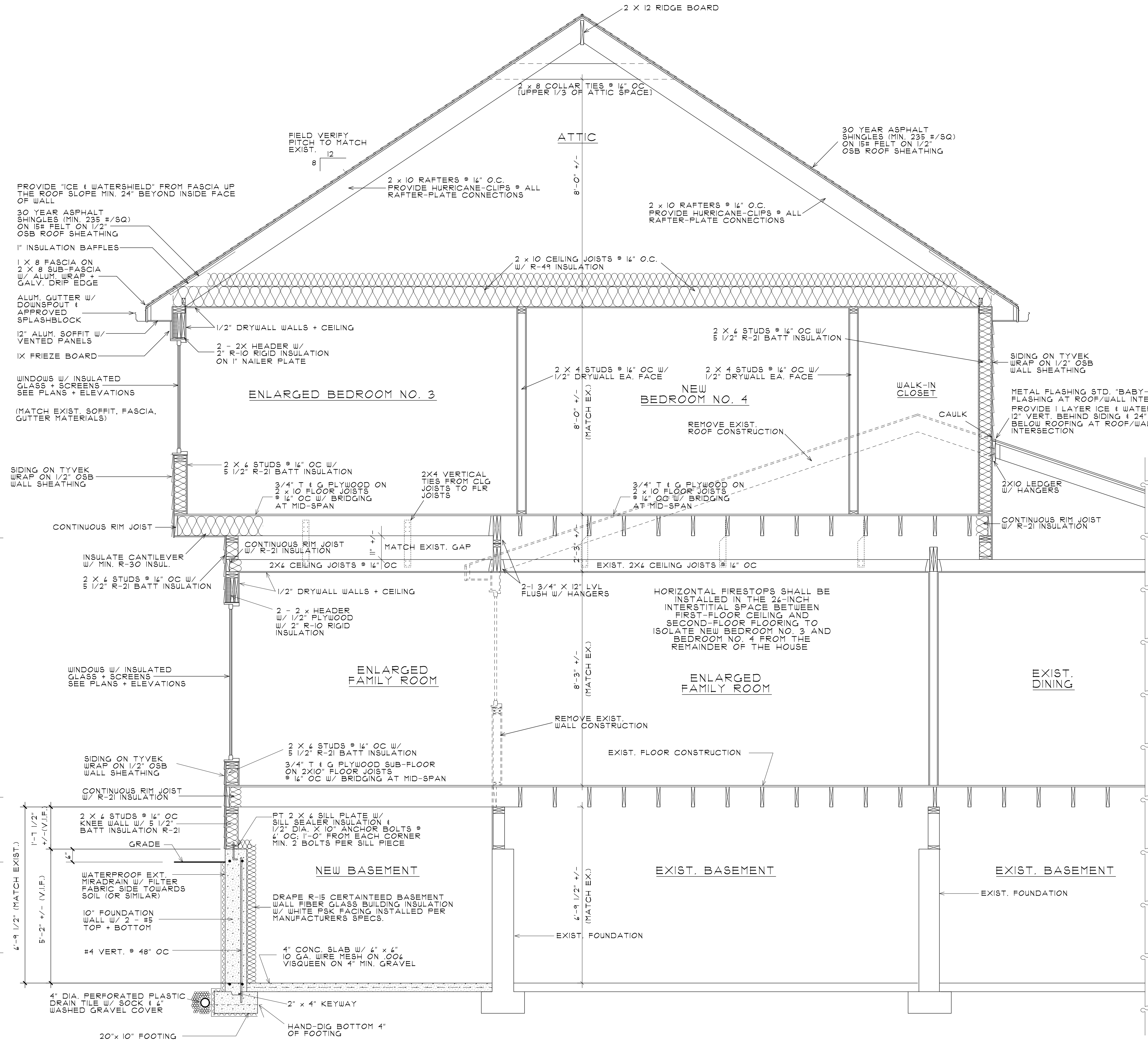
LEDGER BEAM TO  
FRAME WALL CONNECTION

NOT TO SCALE



PORCH  
WALL SECTION

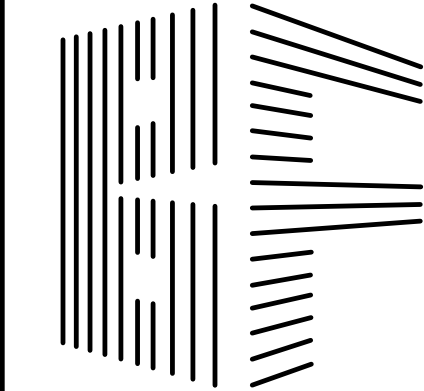
SCALE 1/2" = 1'-0"



BUILDING SECTION A-A

SCALE 1/2" = 1'-0"





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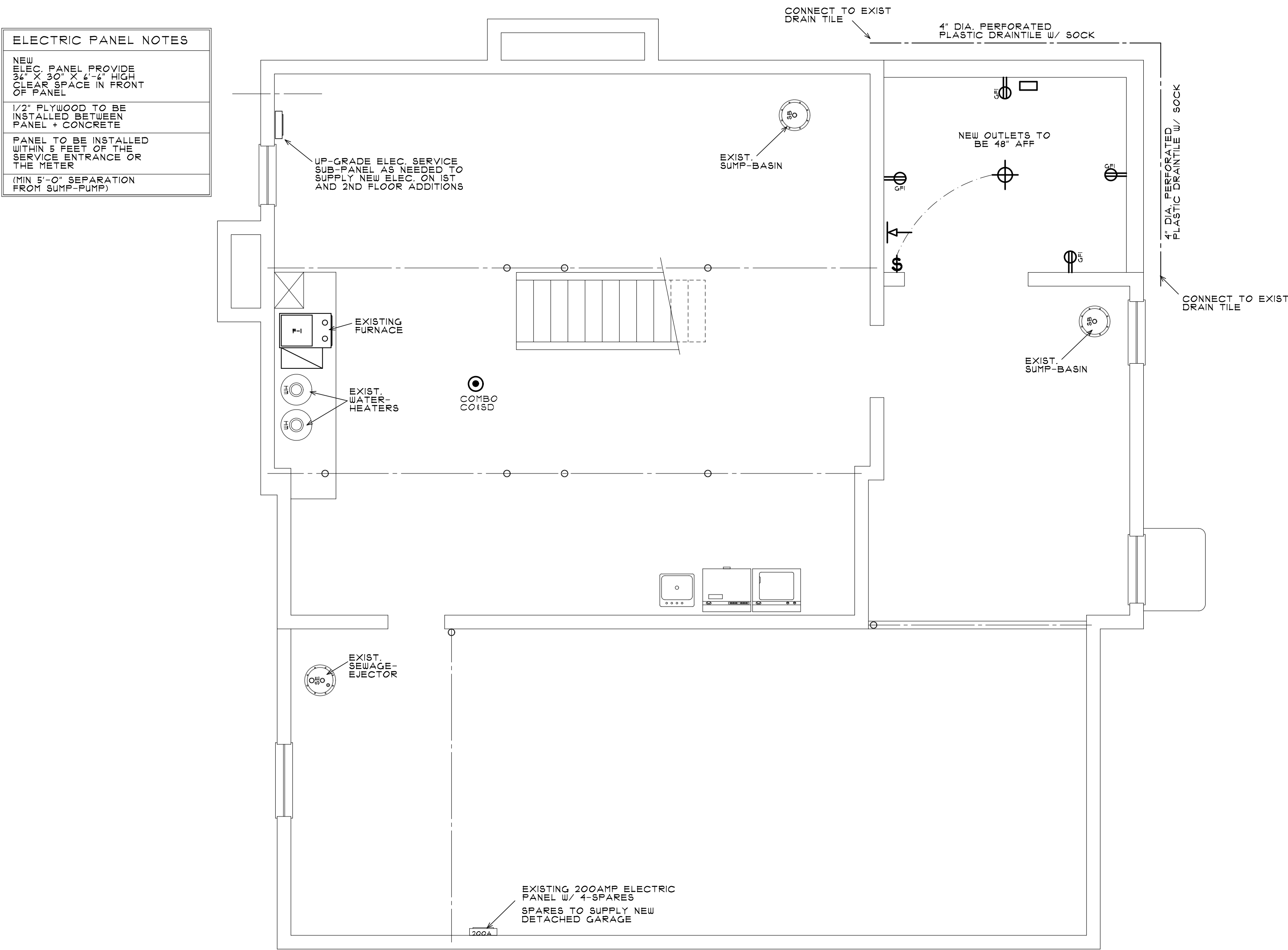
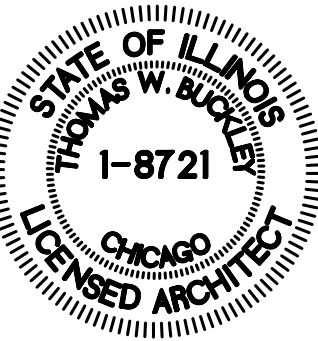
PROPOSED ROOM  
ADDITION

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|         |             |
|         |             |



ELECTRIC PANEL NOTES

NEW ELEC. PANEL PROVIDE 36" X 30" X 4'-2" HIGH CLEAR SPACE IN FRONT OF PANEL

1/2" PLYWOOD TO BE INSTALLED BETWEEN PANEL + CONCRETE

PANEL TO BE INSTALLED WITHIN 5 FEET OF THE SERVICE ENTRANCE OR THE METER

(MIN 3'-0" SEPARATION FROM SUMP-PUMP)

| ELECTRICAL LEGEND |                                                                    |
|-------------------|--------------------------------------------------------------------|
| SYMBOL            | DESCRIPTION                                                        |
|                   | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                       |
|                   | DUPLEX RECEPTACLE                                                  |
|                   | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                 |
|                   | 110V COMBO C.O. + SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP |
|                   | 110V SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP              |
|                   | SINGLE POLE SWITCH                                                 |

| MECHANICAL LEGEND |                     |
|-------------------|---------------------|
| SYMBOL            | DESCRIPTION         |
|                   | RETURN-AIR GRILLE   |
|                   | SUPPLY-AIR REGISTER |

| MINIMUM SHEETMETAL THICKNESSES FOR SINGLE DWELLING UNITS |                            |                                 |                                |
|----------------------------------------------------------|----------------------------|---------------------------------|--------------------------------|
| DUCT SIZE                                                | GALVANIZED STEEL           |                                 | APPROXIMATE ALUMINUM B+S GAUGE |
|                                                          | MINIMUM THICKNESS (INCHES) | EQUIVALENT GALVANIZED GAUGE NO. |                                |
| ROUND DUCTS + ENCLOSED RECTANGULAR DUCTS                 |                            |                                 |                                |
|                                                          | 14" OR LESS                | 0.013                           | 30                             |
|                                                          | OVER 14"                   | 0.014                           | 28                             |
| EXPOSED RECTANGULAR DUCTS                                |                            |                                 |                                |
|                                                          | 14" OR LESS                | 0.014                           | 28                             |
|                                                          | OVER 14"                   | 0.019                           | 24                             |

BASEMENT PLUMBING  
MECHANICAL + ELECTRICAL PLAN

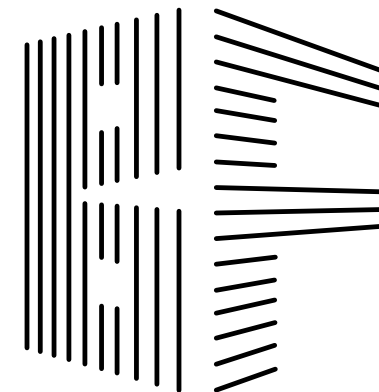
SCALE 1/4" = 1'-0"



IF NOT ALREADY, SMOKE DETECTORS ARE TO BE INSTALLED IN EACH BEDROOM, OUTSIDE OF EACH GROUP OF BEDROOMS, AND ON EACH FLOOR. IF NOT EXISTING, SMOKE DETECTORS NEED TO BE HARD-WIRED AND INTERCONNECTED. IF NOT, THEY ARE REQUIRED TO BE BROUGHT UP TO CURRENT CODE STANDARDS. [IRC R314.3.1] (SEE NOTE NO. 5 UNDER FIRE PROTECTION ON SHEET A-5)

CARBON MONOXIDE DETECTORS TO BE INSTALLED ON EACH FLOOR AND WITHIN 15 FEET OF ALL BEDROOMS. IF NOT EXISTING, ALL CARBON MONOXIDE DETECTORS SHALL BE BROUGHT UP TO CURRENT CODE STANDARDS. [IRC R315.1]





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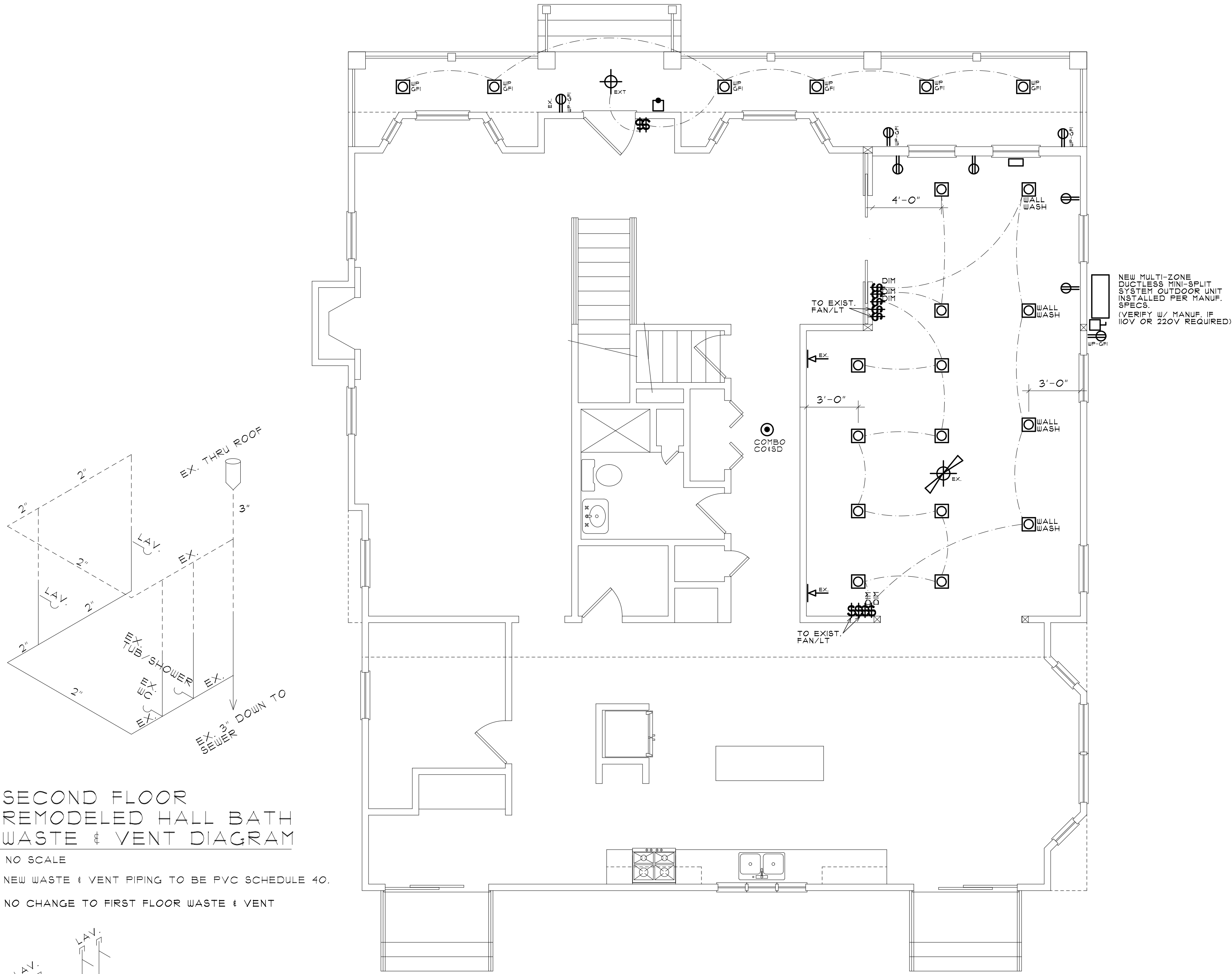
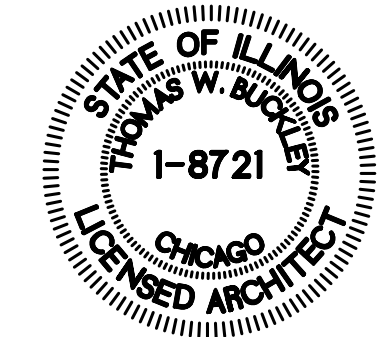
PROPOSED ROOM  
ADDITION

3-12-23 RELEASED FOR  
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| PROJECT NO. | CHR |
| DRAWN BY    | JF  |

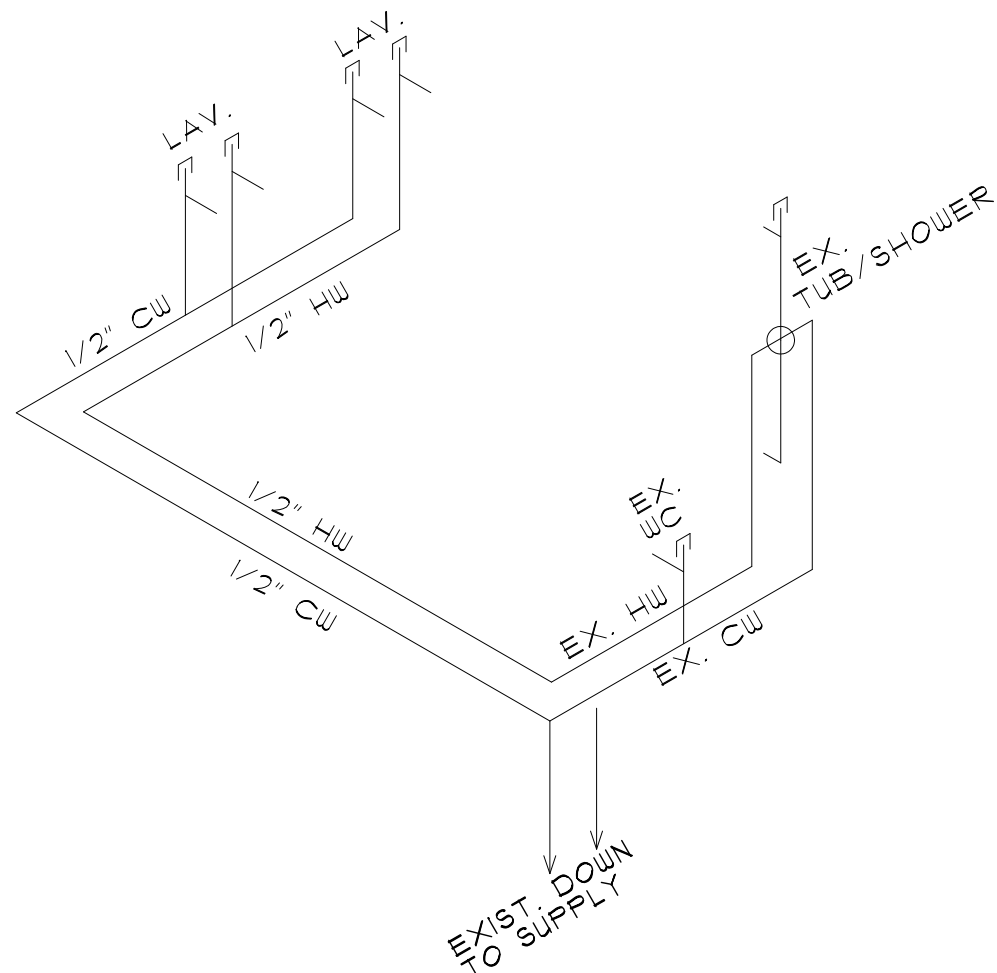
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| DATE    | DESCRIPTION |
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| 3-12-23 | PERMIT      |



SECOND FLOOR  
REMODELED HALL BATH  
WASTE & VENT DIAGRAM

NO SCALE  
NEW WASTE & VENT PIPING TO BE PVC SCHEDULE 40.  
NO CHANGE TO FIRST FLOOR WASTE & VENT



SECOND FLOOR  
REMODELED HALL BATH  
WATER PIPING DIAGRAM

NO SCALE  
ALL SUPPLY PIPING TO BE COPPER TYPE "L"  
NO CHANGE TO FIRST FLOOR WATER PIPING

FIRST FLOOR  
MECHANICAL + ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

IF NOT ALREADY, SMOKE DETECTORS ARE TO BE INSTALLED IN EACH BEDROOM, OUTSIDE OF EACH GROUP OF BEDROOMS, AND ON EACH FLOOR. IF NOT EXISTING, SMOKE DETECTORS NEED TO BE HARD-WIRED AND INTERCONNECTED. IF NOT, THEY ARE REQUIRED TO BE BROUGHT UP TO CURRENT CODE STANDARDS. (IRC R314.3.1) (SEE NOTE NO. 5 UNDER FIRE PROTECTION ON SHEET A-5)

CARBON MONOXIDE DETECTORS TO BE INSTALLED ON EACH FLOOR AND WITHIN 15 FEET OF ALL BEDROOMS. IF NOT EXISTING, ALL CARBON MONOXIDE DETECTORS SHALL BE BROUGHT UP TO CURRENT CODE STANDARDS. (IRC R315.1)

MECHANICAL LEGEND

| SYMBOL | DESCRIPTION         |
|--------|---------------------|
|        | FAN/CEILING FIXTURE |
|        | RETURN-AIR GRILLE   |
|        | SUPPLY-AIR REGISTER |

SECOND FLOOR PLUMBING  
MECHANICAL + ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

NEW HVAC IN BEDROOMS 3 + 4 TO BE SUPPLIED BY DUAL-ZONE DUCTLESS MINI-SPLIT SYSTEM. INSTALLED PER MANUF. SPECS.

ELECTRICAL LEGEND - [LED BULBS]

| SYMBOL | DESCRIPTION                                                        | SYMBOL | DESCRIPTION                                                        |
|--------|--------------------------------------------------------------------|--------|--------------------------------------------------------------------|
|        | CEILING FIXTURE W/ FAN-APPROVED JUNCTION BOX                       |        | DUPLEX RECEPTACLE WEATHERPROOF + GROUND-FAULT CIRCUIT INTERRUPTED  |
|        | CEILING MOUNTED LIGHT FIXTURE (EXTERIOR GRADE)                     |        | DUPLEX RECEPTACLE                                                  |
|        | RECESSED LIGHT FIXTURE (IC RATED WHERE NECESSARY)                  |        | DUPLEX RECEPTACLE GROUND-FAULT CIRCUIT INTERRUPTED                 |
|        | DISCONNECT                                                         |        | DOUBLE DUPLEX RECEPTACLE                                           |
|        | CEILING FAN W/ FAN-APPROVED JUNCTION BOX FOR FANS IN EXCESS OF 35# |        | 110V COMBO C.O. + SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP |
|        | WALL-MOUNTED LIGHT FIXTURE                                         |        | 110V SMOKE DETECTOR INTERCONNECTED W/ BATTERY BACK-UP              |
|        | SINGLE POLE SWITCH                                                 |        | EXHAUST FAN + CEILING FIXTURE COMBO                                |
|        | PUSH-BUTTON DOOR BELL                                              |        |                                                                    |



Support of Special Use and Request for Variance  
849 W. Kenilworth Avenue,  
Palatine, Illinois 60067

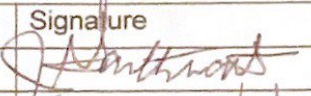
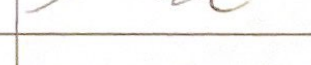
The owners of the property at 849 W. Kenilworth Avenue, Joel and Jessica Christell, are requesting a Special Use and Zoning Variance for the 30-foot setback and Lot Coverage requirement. Our house was built in 1929, with a 20-foot setback line as noted on the Plat, which is likely well before the Village's current 30-foot zoning requirement was established. The home was expanded to the rear and east side in 1997 along with the addition of a second story. The proposed house expansion will not encroach more than the existing 20-foot setback and in many ways, will enhance the character of the neighborhood. The proposed plan includes expansion of the family room, adding a second story bedroom, expanding a second story bedroom, and reconfiguring a second story bathroom. We are adding gables to the front and expanding the existing front porch, which will all be contained within the existing 20-foot front yard setback.

The property is zoned as R-2 residential and the required setback is 30 feet. However, the existing setback is 20 feet and the proposed plan will not encroach farther. The maximum lot coverage is 45% and the proposed lot coverage is 48%.

The zoning hearing is scheduled for Tuesday May 23rd at Palatine Village Hall. If you agree that the Special Use for the 30-foot front yard setback and Variation for the Lot Coverage, please read and sign below.

- I am aware that a Special Use request for the 30-foot front yard setback and variation on the lot coverage will be presented to the Village Zoning Board of Appeals on May 23<sup>rd</sup> at the Palatine Village Hall,
- The plans were presented and items that do not meet the Palatine Zoning Requirements were explained to me,
- The proposed improvement will not be detrimental to public health, safety, and welfare of the neighborhood,
- The proposed improvements will not affect property values in a negative way,
- The proposed improvements will increase the overall character of the neighborhood, and
- I have no objection to granting the request for Special Use for the front yard setback and variation for the proposed lot coverage.

Please sign below to provide your support.

| Name              | Address                 | Date       | Signature                                                                             |
|-------------------|-------------------------|------------|---------------------------------------------------------------------------------------|
| JIMMY EARTHMAN    | 882 W. KENILWORTH 60067 | 05-13-2023 |  |
| STEVE HUNT        | 843 W. KENILWORTH AVE   | 05-14-2023 |  |
| BRENDAN CAULFIELD | 848 W. Kenilworth Ave   | 05-14-2023 |  |
| Rich Sabel        | 879 W. Kenilworth Ave   | 05-15-2023 |  |
| Brian Paul        | 874 W Kenilworth Ave    | 5-15-2023  |  |
|                   |                         |            |                                                                                       |
|                   |                         |            |                                                                                       |
|                   |                         |            |                                                                                       |

# CERTIFICATE OF PUBLICATION

**DES PLAINES JOURNAL, INC.**, a corporation organized and existing under and by virtue of the laws of the State of Illinois, does hereby CERTIFY that it is the publisher of the:

Journal & Topics Newspapers  
AKA Des Plaines Journal, Inc.  
622 Graceland Ave.  
Des Plaines, IL 60016-4556

and that said newspaper(s) is a secular newspaper of general circulation and has been published weekly in the

(Village) (Town) (City) (Township) of PALATINE  
☒ ☐ ☐ ☐  
County of COOK

and State of Illinois, continuously for more than one year prior to date of the first publication of the notice attached hereto, and that said newspaper(s) complies with the requirements of Paragraphs 5 and 10, Chapter 100, of the Illinois Revised Statutes.

Further, that the notice, of which the attached is a true copy, was published ONE times in the said newspaper(s), namely once each week for ONE successive week(s) and that the first publication of said notice was made on the 4TH day of MAY, A.D. 20<sup>23</sup>, and the last publication thereof was made on the 4TH day of MAY, A.D. 20<sup>23</sup>.

Your Legal appeared in  
the following Journal & Topics  
Newspapers  
(Des Plaines Journal, Inc.)

- ☒ Des Plaines Journal
- ☒ Elk Grove Village Journal
- ☒ Mt. Prospect Journal
- ☒ Niles Journal
- ☒ Park Ridge-Golf Mill Journal
- ☒ Prospect Heights Journal
- ☒ Rosemont Journal
- ☒ Arlington Heights Topics
- ☒ Buffalo Grove Topics
- ☒ Palatine Topics
- ☒ Rolling Meadows Topics
- ☒ Wheeling Topics
- ☐ Suburban Journal
- ☐ Northwest Journal
- ☐ Glenview Journal



*Mary Alice Wenzl*  
IN WITNESS WHEREOF, THE **DES PLAINES JOURNAL, INC.**, has caused this certificate to be signed and its corporate seal affixed hereto at Des Plaines, Illinois this 4TH day of MAY, A.D., 20<sup>23</sup>.

By Todd Wenzel

President

Title of Corporate Officer

County of Cook  
State of Illinois

Subscribed and sworn to before me this 4TH day of MAY, A.D., 20<sup>23</sup>.

My commission expires the 15TH day of JULY, A.D., 20<sup>25</sup>.

Attachment: PZC Materials - May 23, 2023 (849 W. Kenilworth Avenue - SU & VAR Addition)



## 3. 849 W. Kenilworth Avenue

Notice was published in the Daily Herald on May 04, 2023 and mailed to the owners of the surrounding properties.

**Petitioner's Exhibits:**

1. Application for Special Use & Variation
2. Proof of Ownership
3. Project Narrative
4. Existing Conditions Photos
5. Site Plan & Elevations
6. Support of Special Use & Variance
7. Public Notice

Mr. Bradshaw gave a brief outline of the request explaining the petitioner is seeking a variation for lot coverage and a special use for a front yard setback reduction to permit the construction of a 2-story addition and a covered porch along the front of the home. He stated with the addition, the proposed front yard setback is approximately 20 feet, for the proposed covered porch, with the remaining 2-story addition having a 25-foot setback therefore, the petitioner is requesting:

- Special Use to permit an addition to be set back 20 feet from the front property line, instead of the minimum required 30 feet; and
- Variation to permit lot coverage to be 48%, instead of the maximum permitted 45%.

**Sworn in petitioner: Mr. Joel Christell 489 W. Kenilworth Ave, owner**

Mr. Christell stated the proposed addition will add a 4<sup>th</sup> bedroom to the second story. He stated while expanding the house to the east they want to expand the family room as well. He stated they also will be extending the covered porch to add to the look of the house with gables to look more appealing. Mr. Christell stated they are one of the oldest houses on the block and because the zoning has changed their existing setback doesn't meet the standards. He stated they are not encroaching any farther than current front setback and is limited in lot coverage. He pointed out their property is all grass and the drainage flows to the middle of his property and have had no issues with puddling in the past.

Chairman Bettenhausen asked where the water goes from the east.

Mr. Christell explained it absorbs into the grass. He stated they have never had any issues with water or ice on sidewalk in front of the house.

Mr. Bradshaw gave a brief overview stating the existing residence is setback approximately 24 feet so therefore legal non-conforming to the required 30-foot front yard setback. He referred to the slides to show the elevations will match the existing ridgeline and will not exceed the current height of the residence. Mr. Bradshaw pointed out comparable relief was granted to the adjacent property

commonly known as 879 W. Kenilworth Ave in 2018. He stated the proposed addition will increase the total lot coverage from the existing 45% to 48% requiring the requested variation. He stated Community Services has reviewed and had no issues and a formal Engineering review will be done as part of the building permit process. Mr. Bradshaw stated the petitioner has received sign offs from the neighbors referring to the neighbor support slide to show location of support.

Chairman Friedman clarified the 20ft setback is from the porch not the house. Mr. Bradshaw answered that is correct.

Chairman Friedman asked of the proposed will maintain the existing porch setback.

Mr. Bradshaw stated the porch was a little over 20ft with the front stair setback at approx.17ft.

#### **STAFF RECOMMENDATION:**

The Petitioner is proposing to construct a 2-story addition to the existing residence. The addition will be set back from the front property line 20 feet, which is comparable to the setback relief granted to the adjacent neighbor off Crescent Avenue in 2018. Additionally, as the bulk of the 2-story addition will be set back 25 feet from the front property line and should not alter the essential character of the locality nor cause substantial injury to the value of other properties in the surrounding neighborhood. Therefore, Staff recommends approval of the Special Use and Variation, subject to the following condition:

1. The Special Use and Variation shall substantially conform to the Site Plan, Floor Plan, and Elevations submitted by the Petitioner, Mr. Christell Christell, except as such plans may be changed to conform to the Village Codes and Ordinances.

Mr. Noonan asked the petitioner if they can and will meet staffs' conditions. Mr. Christell answered yes.

There were no further questions. The public hearing was closed.

**Chairman Cavanaugh made a motion to approve subject staff's conditions; seconded by Chairman Noonan.**

#### **DELIBERATIONS:**

Chairman Cavanaugh stated staff's recommendation is straight forward and he agrees.

Chairman Kolososki stated he agrees with fixing an old house rather than tear it down.

Chairman Friedman stated they're matching what they have so it makes sense. He stated they are adding mass but seems consistent with surrounding



properties.

Chairman Roth-Wurster stated the porch is a nice addition and should not have a negative impact.

**Chairman Friedman summarized that this request has met the standards and was unanimously approved by a vote of 7-0. This item will tentatively go to Village Council on June 5, 2023.**

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>RECOMMEND TO APPROVE [UNANIMOUS]</b>                                    |
| <b>MOVER:</b>    | Kevin Cavanaugh, Commissioner                                              |
| <b>SECONDER:</b> | Patrick Noonan, Plan Commissioner                                          |
| <b>AYES:</b>     | Noonan, Roth-Wurster, Friedman, Bettenhausen, Kolososki, Cavanaugh, Fedota |
| <b>ABSENT:</b>   | Wood, Luszczyk                                                             |

# Consider an Ordinance Amending Various Sections of the Village of Palatine Zoning Ordinance Related to Accessory Structures, Fences, and Above Ground Pools

## BACKGROUND:

Staff initially reviewed and discussed potential amendments to the fencing code with the Village Council at the February 6<sup>th</sup> meeting. The proposed text amendments are the resulting implementation of that discussion and will eliminate some redundancies and duplication in the Zoning Ordinance. Therefore, Staff is requesting approval of the following:

## Text Amendments to the Village of Palatine Zoning Ordinance regarding fencing, swimming pools, and accessory structures

## KEY ISSUES:

- The proposed amendments will eliminate some repetitive fencing code sections (Article VI - Accessory Structures Fences, and Accessory Uses) and clarify that above ground pools are not calculated into the accessory structure square footages allowance for residential properties (they are counted towards lot coverage).
- The fencing amendments would afford side yards abutting a street the same parameters permitted for front yard fencing. The amendment also eliminates repetitive sections and clarifies the replacement of existing fences.
- The amendments to the fencing Section 6.03 to clarify the following:
  - Includes a general requirement that no fence shall interfere with the natural flow of stormwater.
  - Clarifies that the replacement of non-conforming fences must be a similar, or lower height, and style of openness.
  - Allows up to 20 feet of decorative fences (3 feet in height) in side yards abutting a street, which is similar to what is currently permitted in front yards.
  - Removes the section on “Lots platted before January 1, 1930” due to the repetitiveness of “lots platted after January 1, 1930”, with the same requirements.
- In Article X, there is a consistency update to amend accessory building to accessory structure.

## ALTERNATIVES:

1. Approve the proposed text amendments.
2. Do not approve the proposed text amendments.

## RECOMMENDATION:

Public Hearing: PZC meeting on May 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve the proposed text amendments and Staff concurs.

## ACTION REQUIRED:



A motion to approve the text amendments to the Palatine Zoning Ordinance.

**ATTACHMENTS:**

- ORD - Text Amendments to Appendix A - Palatine Zoning Ordinance
- Exhibit A - Zoning Code Text Amendements Redline May 2023
- PZC materials - 5-23-23
- DRAFT PZC minutes 5-23-23
- Text Amendment Certificate of Publication

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE AMENDING THE VILLAGE OF PALATINE CODE OF  
ORDINANCES  
APPENDIX "A" –VILLAGE OF PALATINE ZONING ORDINANCE**

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power, that:

**SECTION 1:** That the Code of Ordinances, of the Village of Palatine, Illinois, as amended, be and the same is hereby further amended by amending various sections in, as indicated on Exhibit "A".

**SECTION 2:** That the Village Clerk is directed to maintain a record of the modifications to the existing ordinance, all of which are indicated on Exhibit "A" (a blacklined version of the modifications approved, pursuant to this Ordinance).

**SECTION 3:** That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED: This \_\_\_\_\_ of \_\_\_\_\_, 2023

AYES:\_\_\_\_ NAYS:\_\_\_\_ ABSENT:\_\_\_\_ PASS:\_\_\_\_

APPROVED by me this \_\_\_\_\_ of \_\_\_\_\_, 2023

\_\_\_\_\_  
Mayor of the Village of Palatine

ATTESTED and FILED in the office of the Village Clerk  
this \_\_\_\_\_ of \_\_\_\_\_, 2023

\_\_\_\_\_  
Village Clerk

Attachment: ORD - Text Amendments to Appendix A - Palatine Zoning Ordinance (Text Amendments to the Village of Palatine Zoning



## ARTICLE VI. ACCESSORY STRUCTURES, FENCES, AND ACCESSORY USES

### 6.01. Accessory structures and pools, hot tubs, and spas. (Ord. #0-115-10, §1, 9/20/10)

(a) *Regulations.* The following regulations shall apply to all accessory structures, unless otherwise noted, except for Village-operated facilities and above ground public utility appurtenances as noted in Section 6.01(b). If an accessory structure is attached to a principal structure, it shall follow all applicable standards of that zoning district for the principal structure. (Ord. #0-52-08, §6, 4/21/08; Ord. #0-29-15, §4, 4/13/15)

- (1) Maximum height: One (1) story, not to exceed Fifteen (15) feet, except as a special use. The highest point of an accessory structure shall not exceed the highest point of the principal structure. (Ord. 0-31-00, § 1, 4-24-00)
- (2) Minimum distance requirements:
  - a. From principal building: Ten (10) feet.
  - b. From side lot line: Five (5) feet.
  - c. From rear lot line: Five (5) feet.
- (3) Location. All accessory structures shall be located in rear yards or side yards, subject to the minimum distance requirements in Section 6.01(a) (2). For the purposes of Section 6.01(a), rear yard shall be defined as the area between the rear of the principal structure and the rear lot line, extending between the side lot lines, and side yard shall mean the area between the side of the principal structure and the side lot line, extending between the front and rear building lines.
  - a. Where the side lot line of a rear yard abuts the side lot line of a front yard of an adjacent lot, all accessory structures, ~~except fences~~, shall be set back from the rear lot line a distance equal to the required front yard setback of said adjacent lot.
  - b. Corner Lots. Accessory structures shall not encroach upon a side yard abutting a street. For the purposes of Section 6.01(a), a side yard abutting a street shall be defined as the area between side of the principal structure and the side lot line abutting the street, extending between the front lot line and the rear lot line. (Ord. 0-60-06, §2, 4/3/06)
  - c. No portion of any accessory structure shall overhang or be located in any easement. (Ord. #0-52-08, §7, 4/21/08)
- (4) Ground floor area.
  - a. Rear yards. The ground floor area of all accessory structures located in a rear yard shall not exceed the lesser of:
    - i. Twenty (20) percent of the area of such rear yard or;
    - ii. Seven hundred (700) square feet.
    - iii. Fifty percent (50%) of the floor area of the principal structure. (Ord. 0-31-00, § 1, 4-24-00)
  - b. Side yards. The ground floor area of all accessory structures located in a side yard shall not exceed one hundred fifty (150) square feet in size.
- (5) Swimming pools, hot tubs, and spas:
  - a. Swimming pools, hot tubs and spas shall be located in rear yards or side yards,
  - b. The placement of a swimming pool, hot tub or spa shall comply with the applicable building codes and the National Electrical Code.

- c. All swimming pools and hot tubs shall be located a minimum of five (5) feet from the side lot line and five feet from the rear lot line.
- d. All swimming pools must be set back a minimum of four (4) feet from the principal structure. Hot tubs and spas shall meet the building codes requirements and National Electrical Code, but there is no other setback requirement for the placement of a hot tub or spa. ~~(Ord. 0-115-10, §2, 9/20/10)~~
- ~~d.e. The ground floor area regulations per Section 6.01(a)4 of this Appendix A shall not apply to or include swimming pools, hot tubs, or spas.~~

### 6.03. Fences.

#### (a) General requirements.

- (1) Permits. It shall be unlawful to construct, erect or replace on private property or upon any parkway in the Vvillage any fence, as defined in this ordinance without first obtaining a building permit from the administrator and making payment of required fees.
- (2) Restrictions. All fencing shall be subject to the following restrictions:
  - a. All fence types, except barbed wire, electrically charged or other types designed to cause injury, shall be permitted unless otherwise specified.
  - b. All fencing shall be constructed so that the rough, unfinished side faces the owner's property.
  - ~~c. The location and style of any fencing shall not interfere with the natural flow of stormwater. Fencing in any drainage easement, or within any area where the natural flow of stormwater occurs, shall be subject to the review and approval of the Village Engineer.~~
- (3) Required fences.
  - a. Swimming pools. Fences, or other permitted safety measures, shall be required around swimming pools as provided in the building code.
  - b. Mini-warehouses. All mini-warehouses in the Vvillage shall be required to have an eight-foot high chain link fence around the perimeter of any required yard.
- (4) Dumpster enclosures. All fencing around dumpsters shall be subject to approval by the Village administrator to ensure promotion of the health, safety and welfare of the Village.
- (5) Method for Determining Fence Height. The fence height limitations contained within this Code shall apply to the fence and any other appurtenances attached to it. Fence height shall be measured vertically from grade to the top of the fence. Fence height shall be determined on the property in which the fence is installed. Posts used specifically for supporting a fence may exceed the applicable height limit by a maximum of eight (8) inches, thus allowing for ornamental treatment. To accommodate potential drainage conflicts and fluctuations in grade, the Director of Community Services may allow portions of a fence to exceed the applicable height limit by a maximum of 6 inches.
- (6) Replacement of existing fence. Any existing non-conforming fence, as of the effective date of this ordinance, may be replaced in its current location provided that: 1) Such replacement fence is no taller in height than the existing non-conforming fence; and 2) Such replacement fence is similar in style, or more open, than the existing non-conforming fence, without having to comply with any applicable setback requirements. Prior to obtaining a building permit, the property owner shall provide proof that the fence existed in its current location prior to the adoption of these regulations and proof in regards to the height and style of said fence. This proof shall be submitted in a manner acceptable to the Director of Planning and Zoning.

~~(Ord. 0-84-05, §3, 4/18/05)~~



(b) *Residential districts.* All fencing in residential districts shall comply with the following requirements:

- (1) Height. All fencing shall not exceed six (6) feet in height unless otherwise specified, except that fencing in rear or interior side yards, which abut properties in a Business or Manufacturing District, shall not ~~exceed eight~~ (8) feet in height. (Ord. O-67-21, 6/21/21)
- (2) ~~Decorative fencing~~Front yards. In front yards and side yards abutting a street abutting a front yard, only decorative fencing shall be permitted, and shall conform to the following standards:
  - a. The total amount of all decorative fencing in any front yard or side yard abutting a street abutting a front yard shall not exceed twenty (20) linear feet in length in a yard.
  - b. Decorative fencing shall not exceed three (3) feet in height.
- (3) Pet enclosures. A pet enclosure or run shall be permitted only within rear yards and when located on lots abutting a street, said enclosure shall not be located in the half of the rear yard which abuts the street. All pet enclosures or runs must conform to the following standards:
  - a. Said enclosure shall not exceed six (6) feet in height.
  - b. Said enclosure shall not exceed two hundred (200) square feet.
- (4) Permitted fencing. Lots platted after January 1, 1930.
  - a. Front yard: All fencing, except decorative fencing, shall follow the required setback of the ~~at~~ zoning district. For those lots platted on or before January 1, 1930, fencing may follow the established front building line excluding any stairs and porches, otherwise the required setback of the zoning district shall be followed.
  - b. Side yard: No setback requirement.
  - c. Rear yard: No setback requirement.
  - d. Side yard abutting a street, when abutting another side yard abutting a street:
    - i. Decorative fencing: Decorative fences, 48 inches or less in height, shall be setback a minimum of three (3) feet from the lot line. Landscaping shall not be required for decorative fences 48 inches or less in height.
    - ii. All other fencing: Side yard abutting a street: All other fences shall be setback a minimum of five (5) feet from the side yard abutting a street lot line. The following landscaping requirements shall apply for non-decorative fences that are installed ten (10) feet or less from the side yard abutting a street lot line with landscaping.

- i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of shrubs, deciduous plant materials, or other appropriate plantings, approved and reviewed by the Planning and Zoning Department, with a minimum installed height of 36 inches. The property owner must provide written verification including, but not limited to, a landscaping or planting plan, confirming the types and size of plant materials to be installed as part of this project. ~~No landscaping shall be required when the proposed fence meets the corner side yard setback requirement of the zoning district the proposed fence is located in.~~
- ii. Use of existing landscaping: Landscape material located within and adjacent to the area in which the proposed fence would be located in, may fulfill the landscaping requirements set forth within this Section. The landscape material must meet the minimum size installation requirements for that portion of the fence which is subject to the request. The use of this existing plant materials is subject to approval by the Planning and Zoning Department.

f. Side yard abutting a street, when abutting a front yard: All fencing, except decorative fencing, shall follow the required setback of the zoning district

f.g. Rear yard abutting a street: Fences located in a rear yard abutting a public street shall be set back a minimum of 5 feet from the lot line.

- i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of trees and shrubs with a minimum installed height of 36 inches.
- ii. Fences located in the rear yard abutting a public street shall include a gate to allow access to the rear street frontage. (Ord. O-37-19, 04/08/19)

(5) Reserved. See Section 6.03(b)4.

(5) Lots platted on or before January 1, 1930.

a. Front yard: All fencing, except decorative fencing, may follow the established, front building line excluding any stairs, porches and the like, otherwise the required setback of that zoning district shall be followed.

b. Side yard: No setback requirement.

c. Rear yard: No setback requirement.

d. Side yard abutting a street: Decorative fences 48 inches or less in height shall be a Setback minimum of three (3) feet from the lot line.

i. Landscaping shall not be required for decorative fences 48 inches or less in height.

e. Side yard abutting a street: All other fences shall be setback a minimum of five (5) feet from the lot line with landscaping.

i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of shrubs, deciduous plant materials, or other appropriate plantings, approved and reviewed by the Planning and Zoning Department, with a minimum installed height of 36 inches. The property owner must provide written verification including, but not limited to, a landscaping or planting plan, confirming the types and size of plant materials to be installed as part of this project. No landscaping shall be required when the proposed



~~fence meets the corner side yard setback requirement of the zoning district the proposed fence is located in.~~

~~ii. Use of existing landscaping: Landscape material located within and adjacent to the area in which the proposed fence would be located in may fulfill the landscaping requirements set forth within this Section. The landscape material must meet the minimum size installation requirements for that portion of the fence, which is subject to the request. The use of this existing plant material is subject to approval by the Planning and Zoning Department.~~

~~f. Rear yard abutting a street:~~

~~i. Fences located in a rear yard abutting a public street shall be setback a minimum of 5 feet from the lot line.~~

~~ii. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of trees and shrubs with a minimum installed height of 36 inches.~~

~~iii. Fences located in a rear yard abutting a public street shall include a gate to allow access to the rear street (Ord. 0-115-00-36, 9/25/00)~~

(6) Special Uses. The following uses are permitted as special uses when authorized by the Village ~~Council Board~~, subject to the standards set forth in section 14.05 of this appendix.

a. Fencing in any front yard, except the following shall be permitted:

i. Decorative fencing as permitted in section 6.03 of this appendix; and

ii. Temporary fencing erected to protect any seeding area.

b. Fences in rear yards where the side lot line of said rear yard abuts the side lot line of a front yard of an adjacent lot, or where the rear lot line of said rear yard abuts the side lot line of a front yard of an adjacent lot. Fences in side yards abutting a street, where the side lot line of said side yard abutting a street abuts the side lot line of a front yard of an adjacent lot or where the rear lot line of said side yard abutting a street abuts the side lot line of a front yard of an adjacent lot.

Fences located in these yards may be approved through a building permit, if they meet the minimum required side yard abutting a street setback for that underlying zoning district.

## ARTICLE X. RESIDENTIAL DISTRICTS

### 10.01. General requirements of all residential districts.

(a) *Dwelling standards.*

- (1) Every dwelling shall conform to the housing standards established by Chapter 10 of the Municipal Code.
- (2) Every dwelling hereinafter erected or altered shall conform to the building code.
- (3) Every dwelling shall be maintained in a neat and orderly condition.

- (4) All accessory uses and permitted obstructions shall be utilized in a tasteful manner and shall not provide a nuisance to any surrounding property.

(b) *Building line.* Where a building line has been established in the recording of a plat of subdivision, such building line shall determine the yard requirements of this ordinance and shall be observed.

- (1) Where no building line has been established, setback requirements of the particular residential district shall be followed.
- (2) Where there is a conflict between the established building line and the setback of the zoning district, the more restrictive shall apply.

(c) *Structures per lot.*

- (1) Each lot in every zoning district in this Article X shall be improved with no more than one principal structure, together with any permissible accessory ~~structure~~building.
- (2) Accessory structures shall be permitted only with a principal structure.



VILLAGE OF PALATINE  
Planning and Zoning Commission

SCHEDULED 05/23/23 07:00 PM

STAFF REPORT (ID # 8381)

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**Text Amendments to the Village of Palatine Zoning Ordinance  
Related to Accessory Structures, Above Ground Pools and  
Fencing requirements**

**TO:** Palatine Planning & Zoning Commission Jan Wood, Chair

**PETITIONER:** Village of Palatine

**PLAN NUMBER:** Text Amendments- 2023-1

**PROPOSAL:**

Staff regularly reviews the Zoning Ordinance, to both ensure consistency in its application and evaluates the Code requirements to determine if amendments are recommended. Staff made an initial presentation to the Village Council in a workshop discussion earlier this year, to outline some of the proposed Code section amendments. This presentation came prior to scheduling tonight's Public Hearing to amend the Code.

**BACKGROUND:**

The proposed amendments will eliminate some repetitive sections in the fencing code (Article VI - Accessory Structures Fences, and Accessory Uses). The proposed amendments will clarify that above ground pools are not calculated into the maximum allowable square footages for accessory structures. The fencing amendments would afford side yards abutting a street the same parameters permitted for front yard fencing. The amendment also eliminates repetitive sections and clarify the replacement of existing fences.

**KEY ISSUES:**

- The proposed amendments to Section 6.01 clarify that pools, hot tubs and spas are not included in calculation for the permitted ground floor area.
- The amendments to Section 6.03 clarify the following updates:
  - Include a general requirement that no fence shall interfere with the natural flow of stormwater.
  - Clarifying the replacement of non-conforming fences must be a similar, or lower height and style of openness.
  - Allow up to 20 feet of decorative fences (3 feet in height) in side yards abutting a street similar, which is currently permitted in front yards.

- The removal of the section on “Lots platted before January 1, 1930” due to the repetitiveness of “lots platted after January 1, 1930”.
- In Article X, there is a consistency update to amend accessory building to accessory structure.

**STAFF RECOMMENDATION:**

Staff recommends approval of the text amendments as outlined.

**ATTACHMENTS:**

- Zoning Code Amendments 5-2023
- Public Notice - Certificate of Publication



## ARTICLE VI. ACCESSORY STRUCTURES, FENCES, AND ACCESSORY USES

### 6.01. Accessory structures and pools, hot tubs, and spas. (Ord. #0-115-10, §1, 9/20/10)

(a) *Regulations.* The following regulations shall apply to all accessory structures, unless otherwise noted, except for Village-operated facilities and above ground public utility appurtenances as noted in Section 6.01(b). If an accessory structure is attached to a principal structure, it shall follow all applicable standards of that zoning district for the principal structure. (Ord. #0-52-08, §6, 4/21/08; Ord. #0-29-15, §4, 4/13/15)

- (1) Maximum height: One (1) story, not to exceed Fifteen (15) feet, except as a special use. The highest point of an accessory structure shall not exceed the highest point of the principal structure. (Ord. 0-31-00, § 1, 4-24-00)
- (2) Minimum distance requirements:
  - a. From principal building: Ten (10) feet.
  - b. From side lot line: Five (5) feet.
  - c. From rear lot line: Five (5) feet.
- (3) Location. All accessory structures shall be located in rear yards or side yards, subject to the minimum distance requirements in Section 6.01(a) (2). For the purposes of Section 6.01(a), rear yard shall be defined as the area between the rear of the principal structure and the rear lot line, extending between the side lot lines, and side yard shall mean the area between the side of the principal structure and the side lot line, extending between the front and rear building lines.
  - a. Where the side lot line of a rear yard abuts the side lot line of a front yard of an adjacent lot, all accessory structures, ~~except fences~~, shall be set back from the rear lot line a distance equal to the required front yard setback of said adjacent lot.
  - b. Corner Lots. Accessory structures shall not encroach upon a side yard abutting a street. For the purposes of Section 6.01(a), a side yard abutting a street shall be defined as the area between side of the principal structure and the side lot line abutting the street, extending between the front lot line and the rear lot line. (Ord. 0-60-06, §2, 4/3/06)
  - c. No portion of any accessory structure shall overhang or be located in any easement. (Ord. #0-52-08, §7, 4/21/08)
- (4) Ground floor area.
  - a. Rear yards. The ground floor area of all accessory structures located in a rear yard shall not exceed the lesser of:
    - i. Twenty (20) percent of the area of such rear yard or;
    - ii. Seven hundred (700) square feet.
    - iii. Fifty percent (50%) of the floor area of the principal structure. (Ord. 0-31-00, § 1, 4-24-00)
  - b. Side yards. The ground floor area of all accessory structures located in a side yard shall not exceed one hundred fifty (150) square feet in size.
- (5) Swimming pools, hot tubs, and spas:
  - a. Swimming pools, hot tubs and spas shall be located in rear yards or side yards,
  - b. The placement of a swimming pool, hot tub or spa shall comply with the applicable building codes and the National Electrical Code.

- c. All swimming pools and hot tubs shall be located a minimum of five (5) feet from the side lot line and five feet from the rear lot line.
- d. All swimming pools must be set back a minimum of four (4) feet from the principal structure. Hot tubs and spas shall meet the building codes requirements and National Electrical Code, but there is no other setback requirement for the placement of a hot tub or spa. ~~(Ord. 0-115-10, §2, 9/20/10)~~
- ~~d.e.~~ The ground floor area regulations per Section 6.01(a)4 of this Appendix A shall not apply to or include swimming pools, hot tubs, or spas.

### 6.03. Fences.

#### (a) General requirements.

- (1) Permits. It shall be unlawful to construct, erect or replace on private property or upon any parkway in the village any fence, as defined in this ordinance without first obtaining a building permit from the administrator and making payment of required fees.
- (2) Restrictions. All fencing shall be subject to the following restrictions:
  - a. All fence types, except barbed wire, electrically charged or other types designed to cause injury, shall be permitted unless otherwise specified.
  - b. All fencing shall be constructed so that the rough, unfinished side faces the owner's property.
  - c. The location and style of any fencing shall not interfere with the natural flow of stormwater. Fencing in any drainage easement, or within any area where the natural flow of stormwater occurs, shall be subject to the review and approval of the Village Engineer.
- (3) Required fences.
  - a. Swimming pools. Fences, or other permitted safety measures, shall be required around swimming pools as provided in the building code.
  - b. Mini-warehouses. All mini-warehouses in the village shall be required to have an eight-foot high chain link fence around the perimeter of any required yard.
- (4) Dumpster enclosures. All fencing around dumpsters shall be subject to approval by the administrator to insure promotion of the health, safety and welfare of the Village.
- (5) Method for Determining Fence Height. The fence height limitations contained within this Code shall apply to the fence and any other appurtenances attached to it. Fence height shall be measured vertically from grade to the top of the fence. Fence height shall be determined on the property in which the fence is installed. Posts used specifically for supporting a fence may exceed the applicable height limit by a maximum of eight (8) inches, thus allowing for ornamental treatment. To accommodate potential drainage conflicts and fluctuations in grade, the Director of Community Services may allow portions of a fence to exceed the applicable height limit by a maximum of 6 inches.
- (6) Replacement of existing fence. Any existing non-conforming fence, as of the effective date of this ordinance, may be replaced in its current location provided that: 1) Such replacement fence is no taller in height than the existing non-conforming fence; and 2) Such replacement fence is similar in style, or more open, than the existing non-conforming fence, without having to comply with any applicable setback requirements. Prior to obtaining a building permit, the property owner shall provide proof that the fence existed in its current location prior to the adoption of these regulations and proof in regards to the height and style of said fence. This proof shall be submitted in a manner acceptable to the Director of Planning and Zoning.

~~(Ord. 0-84-05, §3, 4/18/05)~~



(b) *Residential districts.* All fencing in residential districts shall comply with the following requirements:

- (1) Height. All fencing shall not exceed six (6) feet in height unless otherwise specified, except that fencing in rear or interior side yards, which abut properties in a Business or Manufacturing District, shall not exceed either (8) feet in height. (Ord. O-67-21, 6/21/21)
- (2) Decorative fencing~~Front yards~~. In front yards and side yards abutting a street abutting a front yard, only decorative fencing shall be permitted, and shall conform to the following standards:
  - a. The total amount of all decorative fencing in any front yard or side yard abutting a street abutting a front yard shall not exceed twenty (20) linear feet in length in a yard.
  - b. Decorative fencing shall not exceed three (3) feet in height.
- (3) Pet enclosures. A pet enclosure or run shall be permitted only within rear yards and when located on lots abutting a street, said enclosure shall not be located in the half of the rear yard which abuts the street. All pet enclosures or runs must conform to the following standards:
  - a. Said enclosure shall not exceed six (6) feet in height.
  - b. Said enclosure shall not exceed two hundred (200) square feet.
- (4) Permitted fencing. Lots platted after January 1, 1930.
  - a. Front yard: All fencing, except decorative fencing, shall follow the required setback of the zoning district. For those lots platted on or before January 1, 1930, fencing may follow the established front building line excluding any stairs and porches, otherwise the required setback of the zoning district shall be followed.
  - b. Side yard: No setback requirement.
  - c. Rear yard: No setback requirement.
  - d. Side yard abutting a street, when abutting another side yard abutting a street:
    - i. Decorative fencing: Decorative fences, 48 inches or less in height, shall be setback a minimum of three (3) feet from the lot line. Landscaping shall not be required for decorative fences 48 inches or less in height.
    - i. Landscaping shall not be required for decorative fences 48 inches or less in height.
    - e. ii. All other fencing: Side yard abutting a street: All other fences shall be setback a minimum of five (5) feet from the side yard abutting a street lot line. The following landscaping requirements shall apply for non-decorative fences that are installed ten (10) feet or less from the side yard abutting a street lot line with landscaping.

- i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of shrubs, deciduous plant materials, or other appropriate plantings, approved and reviewed by the Planning and Zoning Department, with a minimum installed height of 36 inches. The property owner must provide written verification including, but not limited to, a landscaping or planting plan, confirming the types and size of plant materials to be installed as part of this project. ~~No landscaping shall be required when the proposed fence meets the corner side yard setback requirement of the zoning district the proposed fence is located in.~~
- ii. Use of existing landscaping: Landscape material located within and adjacent to the area in which the proposed fence would be located in, may fulfill the landscaping requirements set forth within this Section. The landscape material must meet the minimum size installation requirements for that portion of the fence which is subject to the request. The use of this existing plant materials is subject to approval by the Planning and Zoning Department.

~~f. Side yard abutting a street, when abutting a front yard: All fencing, except decorative fencing, shall follow the required setback of the zoning district~~

~~f.g. Rear yard abutting a street: Fences located in a rear yard abutting a public street shall be setback a minimum of 5 feet from the lot line.~~

- ~~i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of trees and shrubs with a minimum installed height of 36 inches.~~
- ~~ii. Fences located in the rear yard abutting a public street shall include a gate to allow access to the rear street frontage. (Ord. O-37-19, 04/08/19)~~

~~(5) Reserved. See Section 6.03(b)4.~~

~~(5) Lots platted on or before January 1, 1930.~~

~~a. Front yard: All fencing, except decorative fencing, may follow the established, front building line excluding any stairs, porches and the like, otherwise the required setback of that zoning district shall be followed.~~

~~b. Side yard: No setback requirement.~~

~~c. Rear yard: No setback requirement.~~

~~d. Side yard abutting a street: Decorative fences 48 inches or less in height shall be a Setback minimum of three (3) feet from the lot line.~~

~~i. Landscaping shall not be required for decorative fences 48 inches or less in height.~~

~~e. Side yard abutting a street: All other fences shall be setback a minimum of five (5) feet from the lot line with landscaping.~~

~~i. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of shrubs, deciduous plant materials, or other appropriate plantings, approved and reviewed by the Planning and Zoning Department, with a minimum installed height of 36 inches. The property owner must provide written verification including, but not limited to, a landscaping or planting plan, confirming the types and size of plant materials to be installed as part of this project. No landscaping shall be required when the proposed~~



~~fence meets the corner side yard setback requirement of the zoning district the proposed fence is located in.~~

~~ii. Use of existing landscaping: Landscape material located within and adjacent to the area in which the proposed fence would be located in may fulfill the landscaping requirements set forth within this Section. The landscape material must meet the minimum size installation requirements for that portion of the fence, which is subject to the request. The use of this existing plant material is subject to approval by the Planning and Zoning Department.~~

~~f. Rear yard abutting a street:~~

~~i. Fences located in a rear yard abutting a public street shall be setback a minimum of 5 feet from the lot line.~~

~~ii. Landscape material shall be installed within the area between a fence and any lot line abutting a public street. The landscape material shall include a combination of trees and shrubs with a minimum installed height of 36 inches.~~

~~iii. Fences located in a rear yard abutting a public street shall include a gate to allow access to the rear street (Ord. 0-115-00-36, 9/25/00)~~

(6) Special Uses. The following uses are permitted as special uses when authorized by the Village Council Board, subject to the standards set forth in section 14.05 of this appendix.

a. Fencing in any front yard, except the following shall be permitted:

i. Decorative fencing as permitted in section 6.03 of this

appendix; and

ii. Temporary fencing erected to protect any seeding area.

b. Fences in rear yards where the side lot line of said rear yard abuts the side lot line of a front yard of an adjacent lot, or where the rear lot line of said rear yard abuts the side lot line of a front yard of an adjacent lot. Fences in side yards abutting a street, where the side lot line of said side yard abutting a street abuts the side lot line of a front yard of an adjacent lot or where the rear lot line of said side yard abutting a street abuts the side lot line of a front yard of an adjacent lot.

Fences located in these yards may be approved through a building permit, if they meet the minimum required side yard abutting a street setback for that underlying zoning district.

## ARTICLE X. RESIDENTIAL DISTRICTS

### 10.01. General requirements of all residential districts.

(a) *Dwelling standards.*

- (1) Every dwelling shall conform to the housing standards established by Chapter 10 of the Municipal Code.
- (2) Every dwelling hereinafter erected or altered shall conform to the building code.
- (3) Every dwelling shall be maintained in a neat and orderly condition.

- (4) All accessory uses and permitted obstructions shall be utilized in a tasteful manner and shall not provide a nuisance to any surrounding property.

(b) *Building line.* Where a building line has been established in the recording of a plat of subdivision, such building line shall determine the yard requirements of this ordinance and shall be observed.

- (1) Where no building line has been established, setback requirements of the particular residential district shall be followed.
- (2) Where there is a conflict between the established building line and the setback of the zoning district, the more restrictive shall apply.

(c) *Structures per lot.*

- (1) Each lot in every zoning district in this Article X shall be improved with no more than one principal structure, together with any permissible accessory structurebuilding.
- (2) Accessory structures shall be permitted only with a principal structure.



6. Text Amendments to the Village of Palatine Zoning Ordinance Related to Accessory Structures, Above Ground Pools and Fencing requirements - **Recommend To Approve**

Notice was published in the Daily Herald on May 04, 2023 and mailed to the owners of the surrounding properties.

**Petitioner's Exhibits:**

1. Text Amendments to Article 6 Accessory Structures and Uses & Article 10 Residential Districts
2. Public Notice

Ms. Bremanis gave a brief overview explaining staff made an initial presentation to the Village Council in a workshop discussion earlier this year, to outline some of the proposed Code section amendments. She stated the changes being presented tonight came from that workshop.

Ms. Bremanis went through slide presentation of the proposed changes. She stated the first amendment to Article 6 is to add fences to the title. (Accessory Structures, fences and Accessory Uses.) and propose to add in fences as a separate category. Ms. Bremanis stated the second amendment is to Section 6.01 and clarifies that pools, hot tubs and spas are not included in calculation for the permitted ground floor area.

Chairman Roth-Wurster asked if there are other changes in regards to the safety of the pool.

Ms. Bremanis answered no but the next section of the amendments speaks to fencing and the new technology being added to pools.

Chairman Fedota clarified if this refers to above and inground pools.

Ms. Bremanis stated above ground only are considered.

Ms. Bremanis continued presentation on amendments to Section 6.03 to include updates to Section 6.03 clarify the following updates:

- Include a general requirement that no fence shall interfere with the natural flow of stormwater.
- Include the automatic pool covers that lock down as acceptable alternatives to a fence pool safety option.
- Clarifying the replacement of non-conforming fences must be a similar, or lower height and style of openness.
- Allow up to 20 feet of decorative fences (3 feet in height) in side yards abutting a street similar, which is currently permitted in front yards.
- Adjust the landscaping requirements for fencing in a side yard abutting a street for fencing that is placed 10ft or less from the lot line not needing landscaping
- The removal of the section on "Lots platted before January 1, 1930" due to the repetitiveness of "lots platted after January 1, 1930".

Chairman Roth-Wurster asked if this is referring to downtown houses that are close to each other

Ms. Bremanis answered yes, pointing out a lot are nonconforming and can replace accordingly.

Ms. Bremanis stated there is a cleanup on wording in section 10 to amend accessory building to accessory structure.

Chairman Roth-Wurster asked about engineering reviews and fencing along a body of water and if there is any consideration to having additional review such as Environmental Health for fencing along water.

Ms. Bremanis stated the Palatine Environmental Health is more geared toward food.

Discussion on recommendation on Scribner corrections

#### **STAFF RECOMMENDATION:**

Staff recommends approval

There were no further questions. The public hearing was closed.

**Chairman Noonan made a motion to approve subject staff's conditions; seconded by Chairman Cavanaugh.**

#### **DELIBERATIONS:**

Chairman Roth-Wurster appreciates being part of discussion

**Mr. Friedman summarized that this request has met the standards and was unanimously approved by a vote of 7-0. This item will tentatively go to Village Council on June 05, 2023**

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>RESULT:</b>   | <b>RECOMMEND TO APPROVE [UNANIMOUS]</b>                                    |
| <b>MOVER:</b>    | Patrick Noonan, Plan Commissioner                                          |
| <b>SECONDER:</b> | Kevin Cavanaugh, Commissioner                                              |
| <b>AYES:</b>     | Noonan, Roth-Wurster, Friedman, Bettenhausen, Kolososki, Cavanaugh, Fedota |
| <b>ABSENT:</b>   | Wood, Luszczak                                                             |



# CERTIFICATE OF PUBLICATION

**DES PLAINES JOURNAL, INC.**, a corporation organized and existing under and by virtue of the laws of the State of Illinois, does hereby CERTIFY that it is the publisher of the:

**Journal & Topics Newspapers  
AKA Des Plaines Journal, Inc.  
622 Graceland Ave.  
Des Plaines, IL 60016-4556**

and that said newspaper(s) is a secular newspaper of general circulation and has been published weekly in the

(Village) (Town) (City) (Township) of PALATINE  
☒ ☐ ☐ ☐  
 County of COOK

and State of Illinois, continuously for more than one year prior to date of the first publication of the notice attached hereto, and that said newspaper(s) complies with the requirements of Paragraphs 5 and 10, Chapter 100, of the Illinois Revised Statutes.

Further, that the notice, of which the attached is a true copy, was published ONE times in the said newspaper(s), namely once each week for ONE successive week(s) and that the first publication of said notice was made on the 4TH day of MAY, A.D. 20<sup>23</sup>, and the last publication thereof was made on the 4TH day of MAY, A.D. 20<sup>23</sup>.

Your Legal appeared in  
the following Journal & Topics  
Newspapers  
(Des Plaines Journal, Inc.)

- ☒ Des Plaines Journal
- ☒ Elk Grove Village Journal
- ☒ Mt. Prospect Journal
- ☒ Niles Journal
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- ☒ Prospect Heights Journal
- ☒ Rosemont Journal
- ☒ Arlington Heights Topics
- ☒ Buffalo Grove Topics
- ☒ Palatine Topics
- ☒ Rolling Meadows Topics
- ☒ Wheeling Topics
- ☐ Suburban Journal
- ☐ Northwest Journal
- ☐ Glenview Journal



*Mary Alice Wenzl*  
 IN WITNESS WHEREOF, THE **DES PLAINES JOURNAL, INC.**, has caused this certificate to be signed and its corporate seal affixed hereto at Des Plaines, Illinois this 4TH day of MAY, A.D., 20<sup>23</sup>.

By Todd Wenzel

President

Title of Corporate Officer

County of Cook  
 State of Illinois

Subscribed and sworn to before me this 4TH day of MAY, A.D., 20<sup>23</sup>.

My commission expires the 15TH day of JULY, A.D., 20<sup>25</sup>.

# Consider a Motion to Award a Contract for the 2023 Water Main Replacement Contract 2 Project

**BACKGROUND:**

Lytle Drive and near 500 North Plum Grove Road are recommended for water main replacement due to their age and the number of breaks that have occurred over the last several years. The water main replacement on Lytle Drive will be from Morris Drive to Flake Drive (approximately 1,700 feet). The water main replacement near 500 North Plum Grove Road will be from Plum Grove Road to Brockway Street (approximately 700 feet).

**KEY ISSUES:**

- On Tuesday, May 2, 2023, six bids were received, ranging from a high of \$1,204,622.75 to a low of \$978,971.50.
- The low responsive and responsible bidder was Gerardi Sewer & Water Company of Addison, Illinois in the amount of \$978,971.50.
- The Engineer's estimate was \$938,153.

**ALTERNATIVES:**

1. Award the contract for the 2023 Water Main Replacement Contract 2 to Gerardi Sewer & Water.
2. Refer back to Staff with comments.

**RECOMMENDATION:**

It is recommended that the contract for the 2023 Water Main Replacement Contract 2 Project be awarded to Gerardi Sewer & Water.

**BUDGET IMPACT:**

Funding is available in the Water Fund of the 2023 Capital Improvement Program to accommodate this work.

**ACTION REQUIRED:**

Motion to award the contract for the 2023 Water Main Replacement Contract 2 Project to Gerardi Sewer & Water Company of Addison, Illinois in the amount of \$978,971.50.

**ATTACHMENTS:**

- Bid Tabulation
- Location Maps



# VILLAGE OF PALATINE

## Bidding Summary

### 2023 Water Main Replacement Contract 2

11:00 AM Tuesday, May 2, 2023

|   | Bidding Contractors                        | As Read Bid Amount | As Corrected Bid Amount |
|---|--------------------------------------------|--------------------|-------------------------|
| 1 | Gerardi Sewer & Water Co.                  | \$ 978,971.50      | Correct as Read         |
| 2 | Concept Plumbing, Inc.                     | \$ 995,177.50      | Correct as Read         |
| 3 | J. Congdon Sewer Service                   | \$ 997,604.90      | Correct as Read         |
| 4 | Holiday Sewer and Water Construction, Inc. | \$ 1,035,000.00    | Correct as Read         |
| 5 | Millenium Contracting Co.                  | \$ 1,094,456.00    | Correct as Read         |
| 6 | A Lamp Concrete Contractors, Inc.          | \$ 1,204,622.75    | Correct as Read         |

Attachment: Bid Tabulation (2023 Water Main Replacement Contract 2)

Bid Opening: 11:00 AM Tuesday, May 2, 2023

Location: Village Hall

VILLAGE OF PALATINE - DEPARTMENT OF PUBLIC WORKS

TABULATION OF BIDS

FOR

2023 Water Main Replacement Contract 2

DPW- 2322

Section # N/A

COMPUTED BY: KML

6.C.1.a

| <div>Red unit price = unit price is above median unit price<br/>Blue unit price = unit price is equal to median unit price<br/>Green unit price = unit price is below median unit price</div> |                                                             |       |          | Cost Estimate |            | Low Bidder<br>Gerardi Sewer & Water Co.<br>1785 Armitage Court<br>Addison, IL 60101<br>(630) 519-5116<br>Fax (630) 656-1180 |              | 2<br>Concept Plumbing, Inc.<br>554 W. Wood Street<br>Palatine, IL 60067<br>(847) 776-6180<br>Fax (847) 776-6189 |              | 3<br>J. Congdon Sewer Service<br>170-A Alexandra Way<br>Carol Stream, IL 60188<br>(630) 510-2434<br>Fax (630) 510-9255 |            | 4<br>Holiday Sewer and Water<br>1000 N. Rand Rd., Ste. 11<br>Wauconda, IL 60084<br>(847) 526-3788<br>Fax (847) 526-3739 |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|----------|---------------|------------|-----------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|------------|
| ITEM NO.                                                                                                                                                                                      | DESCRIPTION                                                 | UNIT  | QUANTITY | UNIT PRICE    | TOTAL      | UNIT PRICE                                                                                                                  | TOTAL        | UNIT PRICE                                                                                                      | TOTAL        | UNIT PRICE                                                                                                             | TOTAL      | UNIT PRICE                                                                                                              | TOTAL      |
| 1                                                                                                                                                                                             | TEMPORARY FENCE                                             | FOOT  | 283      | \$4.00        | \$1,132.00 | \$1.00                                                                                                                      | \$283.00     | \$7.00                                                                                                          | \$1,981.00   | \$5.00                                                                                                                 | \$1,415.00 | \$3.00                                                                                                                  | \$849.00   |
| 2                                                                                                                                                                                             | TREE ROOT PRUNING                                           | EACH  | 10       | \$150.00      | 1,500.00   | \$110.00                                                                                                                    | \$1,100.00   | 208.00                                                                                                          | \$2,080.00   | 100.00                                                                                                                 | 1,000.00   | 85.00                                                                                                                   | 850.00     |
| 3                                                                                                                                                                                             | SUPPLEMENTAL WATERING                                       | UNIT  | 9        | \$100.00      | 900.00     | \$1.00                                                                                                                      | \$9.00       | 438.00                                                                                                          | \$3,942.00   | 1.00                                                                                                                   | 9.00       | 1.00                                                                                                                    | 9.00       |
| 4                                                                                                                                                                                             | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL                 | CU YD | 100      | \$50.00       | 5,000.00   | \$20.00                                                                                                                     | \$2,000.00   | 98.00                                                                                                           | \$9,800.00   | 25.00                                                                                                                  | 2,500.00   | 1.00                                                                                                                    | 100.00     |
| 5                                                                                                                                                                                             | TRENCH BACKFILL                                             | CU YD | 1790     | \$40.00       | 71,600.00  | \$20.00                                                                                                                     | \$35,800.00  | 1.00                                                                                                            | \$1,790.00   | 0.01                                                                                                                   | 17.90      | 1.00                                                                                                                    | 1,790.00   |
| 6                                                                                                                                                                                             | TOPSOIL FURNISH AND PLACE, 4"                               | SQ YD | 600      | \$6.00        | 3,600.00   | \$5.00                                                                                                                      | \$3,000.00   | 16.00                                                                                                           | \$9,600.00   | 5.00                                                                                                                   | 3,000.00   | 5.00                                                                                                                    | 3,000.00   |
| 7                                                                                                                                                                                             | NITROGEN FERTILIZER NUTRIENT                                | POUND | 7        | \$4.00        | 28.00      | \$7.00                                                                                                                      | \$49.00      | 3.00                                                                                                            | \$21.00      | 7.00                                                                                                                   | 49.00      | 1.00                                                                                                                    | 7.00       |
| 8                                                                                                                                                                                             | POTASSIUM FERTILIZER NUTRIENT                               | POUND | 7        | \$4.00        | 28.00      | \$7.00                                                                                                                      | \$49.00      | 3.00                                                                                                            | \$21.00      | 7.00                                                                                                                   | 49.00      | 1.00                                                                                                                    | 7.00       |
| 9                                                                                                                                                                                             | SODDING, SALT TOLERANT                                      | SQ YD | 600      | \$15.00       | 9,000.00   | \$25.00                                                                                                                     | \$15,000.00  | 6.50                                                                                                            | \$3,900.00   | 20.00                                                                                                                  | 12,000.00  | 20.00                                                                                                                   | 12,000.00  |
| 10                                                                                                                                                                                            | TEMPORARY EROSION CONTROL SEEDING                           | POUND | 7        | \$10.00       | 70.00      | \$7.00                                                                                                                      | \$49.00      | 5.00                                                                                                            | \$35.00      | 10.00                                                                                                                  | 70.00      | 1.00                                                                                                                    | 7.00       |
| 11                                                                                                                                                                                            | INLET FILTERS                                               | EACH  | 26       | \$200.00      | 5,200.00   | \$150.00                                                                                                                    | \$3,900.00   | 322.00                                                                                                          | \$8,372.00   | 25.00                                                                                                                  | 650.00     | 25.00                                                                                                                   | 650.00     |
| 12                                                                                                                                                                                            | TEMPORARY EROSION CONTROL BLANKET                           | SQ YD | 600      | \$1.00        | 600.00     | \$1.00                                                                                                                      | \$600.00     | 2.50                                                                                                            | \$1,500.00   | 5.00                                                                                                                   | 3,000.00   | 1.00                                                                                                                    | 600.00     |
| 13                                                                                                                                                                                            | CURB AND GUTTER REMOVAL AND REPLACEMENT                     | FOOT  | 235      | \$60.00       | 14,100.00  | \$85.00                                                                                                                     | \$19,975.00  | 51.50                                                                                                           | \$12,102.50  | 85.00                                                                                                                  | 19,975.00  | 85.00                                                                                                                   | 19,975.00  |
| 14                                                                                                                                                                                            | SIDEWALK REMOVAL AND REPLACEMENT                            | SQ FT | 300      | \$20.00       | 6,000.00   | \$20.00                                                                                                                     | \$6,000.00   | 21.00                                                                                                           | \$6,300.00   | 20.00                                                                                                                  | 6,000.00   | 20.00                                                                                                                   | 6,000.00   |
| 15                                                                                                                                                                                            | DETECTABLE WARNINGS                                         | SQ FT | 20       | \$50.00       | 1,000.00   | \$35.00                                                                                                                     | \$700.00     | 41.50                                                                                                           | \$830.00     | 35.00                                                                                                                  | 700.00     | 35.00                                                                                                                   | 700.00     |
| 16                                                                                                                                                                                            | CLASS D PATCHES, TYPE IV, 6 INCH                            | SQ YD | 2400     | \$50.00       | 120,000.00 | \$50.00                                                                                                                     | \$120,000.00 | 78.00                                                                                                           | \$187,200.00 | 49.00                                                                                                                  | 117,600.00 | 49.00                                                                                                                   | 117,600.00 |
| 17                                                                                                                                                                                            | PROTECTIVE COAT                                             | SQ YD | 206      | \$5.00        | 1,030.00   | \$5.00                                                                                                                      | \$1,030.00   | 10.00                                                                                                           | \$2,060.00   | 5.00                                                                                                                   | 1,030.00   | 5.00                                                                                                                    | 1,030.00   |
| 18                                                                                                                                                                                            | DUCTILE IRON WATER MAIN 8", CLASS 52, WITH TRACER WIRE      | FOOT  | 2400     | \$100.00      | 240,000.00 | \$140.00                                                                                                                    | \$336,000.00 | 146.00                                                                                                          | \$350,400.00 | 160.00                                                                                                                 | 384,000.00 | 175.00                                                                                                                  | 420,000.00 |
| 19                                                                                                                                                                                            | WATER VALVES 8"                                             | EACH  | 8        | \$2,500.00    | 20,000.00  | \$4,000.00                                                                                                                  | \$32,000.00  | 3,211.00                                                                                                        | \$25,688.00  | 3,000.00                                                                                                               | 24,000.00  | 3,500.00                                                                                                                | 28,000.00  |
| 20                                                                                                                                                                                            | FIRE HYDRANTS TO BE REMOVED                                 | EACH  | 5        | \$400.00      | 2,000.00   | \$600.00                                                                                                                    | \$3,000.00   | 895.00                                                                                                          | \$4,475.00   | 500.00                                                                                                                 | 2,500.00   | 250.00                                                                                                                  | 1,250.00   |
| 21                                                                                                                                                                                            | FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX             | EACH  | 6        | \$8,500.00    | 51,000.00  | \$10,000.00                                                                                                                 | \$60,000.00  | 8,311.00                                                                                                        | \$49,866.00  | 7,500.00                                                                                                               | 45,000.00  | 9,500.00                                                                                                                | 57,000.00  |
| 22                                                                                                                                                                                            | VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH  | 8        | \$5,000.00    | 40,000.00  | \$2,000.00                                                                                                                  | \$16,000.00  | 5,097.00                                                                                                        | \$40,776.00  | 2,000.00                                                                                                               | 16,000.00  | 2,000.00                                                                                                                | 16,000.00  |
| 23                                                                                                                                                                                            | MOBILIZATION                                                | L SUM | 1        | \$30,000.00   | 30,000.00  | \$50,000.00                                                                                                                 | \$50,000.00  | 6,241.00                                                                                                        | \$6,241.00   | 43,000.00                                                                                                              | 43,000.00  | 50,000.00                                                                                                               | 50,000.00  |
| 24                                                                                                                                                                                            | THERMOPLASTIC PAVEMENT MARKING - LINE 6"                    | FOOT  | 805      | \$3.00        | 2,415.00   | \$5.50                                                                                                                      | \$4,427.50   | 11.00                                                                                                           | \$8,855.00   | 6.00                                                                                                                   | 4,830.00   | 3.00                                                                                                                    | 2,415.00   |
| 25                                                                                                                                                                                            | SANITARY SEWER REMOVAL AND REPLACEMENT 8"                   | FOOT  | 20       | \$160.00      | 3,200.00   | \$100.00                                                                                                                    | \$2,000.00   | 147.00                                                                                                          | \$2,940.00   | 50.00                                                                                                                  | 1,000.00   | 90.00                                                                                                                   | 1,800.00   |

Attachment: Bid Tabulation (2023 Water Main Replacement Contract 2)



Bid Opening: 11:00 AM Tuesday, May 2, 2023

Location: Village Hall

VILLAGE OF PALATINE - DEPARTMENT OF PUBLIC WORKS

TABULATION OF BIDS

FOR

2023 Water Main Replacement Contract 2

DPW- 2322

Section # N/A

COMPUTED BY: KML

6.C.1.a

| <div>Red unit price = unit price is above median unit price<br/>Blue unit price = unit price is equal to median unit price<br/>Green unit price = unit price is below median unit price</div> |                                               |       |          | Cost Estimate |            | Low Bidder<br>Gerardi Sewer & Water Co.<br>1785 Armitage Court<br>Addison, IL 60101<br>(630) 519-5116<br>Fax (630) 656-1180 |             | 2<br>Concept Plumbing, Inc.<br>554 W. Wood Street<br>Palatine, IL 60067<br>(847) 776-6180<br>Fax (847) 776-6189 |             | 3<br>J. Congdon Sewer Service<br>170-A Alexandra Way<br>Carol Stream, IL 60188<br>(630) 510-2434<br>Fax (630) 510-9255 |            | 4<br>Holiday Sewer and Water<br>1000 N. Rand Rd., Ste. 11<br>Wauconda, IL 60084<br>(847) 526-3788<br>Fax (847) 526-3739 |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------|----------|---------------|------------|-----------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|-----------|
| ITEM NO.                                                                                                                                                                                      | DESCRIPTION                                   | UNIT  | QUANTITY | UNIT PRICE    | TOTAL      | UNIT PRICE                                                                                                                  | TOTAL       | UNIT PRICE                                                                                                      | TOTAL       | UNIT PRICE                                                                                                             | TOTAL      | UNIT PRICE                                                                                                              | TOTAL     |
| 26                                                                                                                                                                                            | SANITARY SEWER REMOVAL AND REPLACEMENT 10"    | FOOT  | 20       | \$200.00      | 4,000.00   | \$125.00                                                                                                                    | \$2,500.00  | 155.00                                                                                                          | \$3,100.00  | 60.00                                                                                                                  | 1,200.00   | 95.00                                                                                                                   | 1,900.00  |
| 27                                                                                                                                                                                            | DRIVEWAY REMOVAL AND REPLACEMENT              | SQ YD | 120      | \$100.00      | 12,000.00  | \$120.00                                                                                                                    | \$14,400.00 | 75.00                                                                                                           | \$9,000.00  | 108.00                                                                                                                 | 12,960.00  | 108.00                                                                                                                  | 12,960.00 |
| 28                                                                                                                                                                                            | VALVE VAULTS TO BE ABANDONED                  | EACH  | 7        | \$2,000.00    | 14,000.00  | \$350.00                                                                                                                    | \$2,450.00  | 953.00                                                                                                          | \$6,671.00  | 250.00                                                                                                                 | 1,750.00   | 250.00                                                                                                                  | 1,750.00  |
| 29                                                                                                                                                                                            | FENCE REMOVAL AND REINSTALLATION              | FOOT  | 30       | \$80.00       | 2,400.00   | \$75.00                                                                                                                     | \$2,250.00  | 31.00                                                                                                           | \$930.00    | 35.00                                                                                                                  | 1,050.00   | 50.00                                                                                                                   | 1,500.00  |
| 30                                                                                                                                                                                            | WATER SERVICE CONNECTION (SHORT)              | EACH  | 19       | \$3,000.00    | 57,000.00  | \$3,000.00                                                                                                                  | \$57,000.00 | 2,038.00                                                                                                        | \$38,722.00 | 3,000.00                                                                                                               | 57,000.00  | 3,750.00                                                                                                                | 71,250.00 |
| 31                                                                                                                                                                                            | WATER SERVICE CONNECTION (LONG)               | EACH  | 25       | \$4,000.00    | 100,000.00 | \$3,000.00                                                                                                                  | \$75,000.00 | 3,015.00                                                                                                        | \$75,375.00 | 3,000.00                                                                                                               | 75,000.00  | 3,750.00                                                                                                                | 93,750.00 |
| 32                                                                                                                                                                                            | CUT AND CAP EXISTING 6" WATER MAIN            | EACH  | 3        | \$1,250.00    | 3,750.00   | \$1,500.00                                                                                                                  | \$4,500.00  | 1,445.00                                                                                                        | \$4,335.00  | 1,500.00                                                                                                               | 4,500.00   | 100.00                                                                                                                  | 300.00    |
| 33                                                                                                                                                                                            | CUT AND CAP EXISTING 8" WATER MAIN            | EACH  | 2        | \$1,500.00    | 3,000.00   | \$1,750.00                                                                                                                  | \$3,500.00  | 1,927.00                                                                                                        | \$3,854.00  | 2,000.00                                                                                                               | 4,000.00   | 10,000.00                                                                                                               | 20,000.00 |
| 34                                                                                                                                                                                            | CONNECTION TO EXISTING WATER MAIN 6"          | EACH  | 1        | \$4,000.00    | 4,000.00   | \$7,500.00                                                                                                                  | \$7,500.00  | 3,855.00                                                                                                        | \$3,855.00  | 3,500.00                                                                                                               | 3,500.00   | 5,500.00                                                                                                                | 5,500.00  |
| 35                                                                                                                                                                                            | CONNECTION TO EXISTING WATER MAIN 8"          | EACH  | 5        | \$4,000.00    | 20,000.00  | \$7,500.00                                                                                                                  | \$37,500.00 | 3,855.00                                                                                                        | \$19,275.00 | 4,000.00                                                                                                               | 20,000.00  | 5,500.00                                                                                                                | 27,500.00 |
| 36                                                                                                                                                                                            | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)      | EACH  | 8        | \$750.00      | 6,000.00   | \$400.00                                                                                                                    | \$3,200.00  | 2,007.00                                                                                                        | \$16,056.00 | 850.00                                                                                                                 | 6,800.00   | 100.00                                                                                                                  | 800.00    |
| 37                                                                                                                                                                                            | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)     | L SUM | 1        | \$25,000.00   | 25,000.00  | \$24,450.00                                                                                                                 | \$24,450.00 | 31,644.00                                                                                                       | \$31,644.00 | 100,000.00                                                                                                             | 100,000.00 | 25,000.00                                                                                                               | 25,000.00 |
| 38                                                                                                                                                                                            | CONCRETE WASHOUT                              | L SUM | 1        | \$3,500.00    | 3,500.00   | \$750.00                                                                                                                    | \$750.00    | 4,648.00                                                                                                        | \$4,648.00  | 750.00                                                                                                                 | 750.00     | 100.00                                                                                                                  | 100.00    |
| 39                                                                                                                                                                                            | CONSTRUCTION LAYOUT                           | L SUM | 1        | \$8,000.00    | 8,000.00   | \$7,500.00                                                                                                                  | \$7,500.00  | 11,573.00                                                                                                       | \$11,573.00 | 5,000.00                                                                                                               | 5,000.00   | 3,451.00                                                                                                                | 3,451.00  |
| 40                                                                                                                                                                                            | SIGNS                                         | EACH  | 2        | \$300.00      | 600.00     | \$150.00                                                                                                                    | \$300.00    | 182.00                                                                                                          | \$364.00    | 50.00                                                                                                                  | 100.00     | 250.00                                                                                                                  | 500.00    |
| 41                                                                                                                                                                                            | STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH  | FOOT  | 20       | \$175.00      | 3,500.00   | \$70.00                                                                                                                     | \$1,400.00  | 93.00                                                                                                           | \$1,860.00  | 50.00                                                                                                                  | 1,000.00   | 100.00                                                                                                                  | 2,000.00  |
| 42                                                                                                                                                                                            | STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH | FOOT  | 20       | \$200.00      | 4,000.00   | \$90.00                                                                                                                     | \$1,800.00  | 107.00                                                                                                          | \$2,140.00  | 60.00                                                                                                                  | 1,200.00   | 105.00                                                                                                                  | 2,100.00  |
| 43                                                                                                                                                                                            | STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH | FOOT  | 120      | \$225.00      | 27,000.00  | \$100.00                                                                                                                    | \$12,000.00 | 107.00                                                                                                          | \$12,840.00 | 70.00                                                                                                                  | 8,400.00   | 125.00                                                                                                                  | 15,000.00 |
| 44                                                                                                                                                                                            | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | FOOT  | 40       | \$275.00      | 11,000.00  | \$200.00                                                                                                                    | \$8,000.00  | 204.00                                                                                                          | \$8,160.00  | 100.00                                                                                                                 | 4,000.00   | 200.00                                                                                                                  | 8,000.00  |
| TOTAL BID AS READ                                                                                                                                                                             |                                               |       |          |               |            | \$ 978,971.50                                                                                                               |             | \$ 995,177.50                                                                                                   |             | \$ 997,604.90                                                                                                          |            | \$ 1,035,000.00                                                                                                         |           |
| TOTAL BID AS CORRECTED                                                                                                                                                                        |                                               |       |          | \$ 938,153.00 |            |                                                                                                                             |             |                                                                                                                 |             |                                                                                                                        |            |                                                                                                                         |           |
| PROPOSAL GUARANTEE                                                                                                                                                                            |                                               |       |          |               |            | 5.00%                                                                                                                       |             | 5.00%                                                                                                           |             | 5.00%                                                                                                                  |            | 5.00%                                                                                                                   |           |

Attachment: Bid Tabulation (2023 Water Main Replacement Contract 2)

**Bid Opening:** 11:00 AM Tuesday, May 2, 2023

**Location:** Village Hall

| <p>Red unit price = unit price is above median unit price<br/> Blue unit price = unit price is equal to median unit price<br/> Green unit price = unit price is below median unit price</p> |                                                             |       |          | <p><b>5</b><br/> Millenium Contracting Co.<br/> 5933 N. Knox Avenue<br/> Chicago, IL 60646<br/> (312) 878-7567<br/> Fax (312) 238-9401</p> |            | <p><b>6</b><br/> A Lamp Concrete Contractors<br/> 1900 Wright Boulevard<br/> Schaumburg, IL 60193<br/> (847) 891-6000<br/> Fax (847) 891-1873</p> |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| ITEM NO.                                                                                                                                                                                    | DESCRIPTION                                                 | UNIT  | QUANTITY | UNIT PRICE                                                                                                                                 | TOTAL      | UNIT PRICE                                                                                                                                        | TOTAL      |
| 1                                                                                                                                                                                           | TEMPORARY FENCE                                             | FOOT  | 283      | \$10.00                                                                                                                                    | \$2,830.00 | \$1.00                                                                                                                                            | \$283.00   |
| 2                                                                                                                                                                                           | TREE ROOT PRUNING                                           | EACH  | 10       | 500.00                                                                                                                                     | 5,000.00   | 15.00                                                                                                                                             | 150.00     |
| 3                                                                                                                                                                                           | SUPPLEMENTAL WATERING                                       | UNIT  | 9        | 400.00                                                                                                                                     | 3,600.00   | 1.00                                                                                                                                              | 9.00       |
| 4                                                                                                                                                                                           | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL                 | CU YD | 100      | 27.00                                                                                                                                      | 2,700.00   | 10.00                                                                                                                                             | 1,000.00   |
| 5                                                                                                                                                                                           | TRENCH BACKFILL                                             | CU YD | 1790     | 35.00                                                                                                                                      | 62,650.00  | 1.00                                                                                                                                              | 1,790.00   |
| 6                                                                                                                                                                                           | TOPSOIL FURNISH AND PLACE, 4"                               | SQ YD | 600      | 50.00                                                                                                                                      | 30,000.00  | 6.00                                                                                                                                              | 3,600.00   |
| 7                                                                                                                                                                                           | NITROGEN FERTILIZER NUTRIENT                                | POUND | 7        | 40.00                                                                                                                                      | 280.00     | 1.00                                                                                                                                              | 7.00       |
| 8                                                                                                                                                                                           | POTASSIUM FERTILIZER NUTRIENT                               | POUND | 7        | 40.00                                                                                                                                      | 280.00     | 1.00                                                                                                                                              | 7.00       |
| 9                                                                                                                                                                                           | SODDING, SALT TOLERANT                                      | SQ YD | 600      | 20.00                                                                                                                                      | 12,000.00  | 12.00                                                                                                                                             | 7,200.00   |
| 10                                                                                                                                                                                          | TEMPORARY EROSION CONTROL SEEDING                           | POUND | 7        | 40.00                                                                                                                                      | 280.00     | 1.00                                                                                                                                              | 7.00       |
| 11                                                                                                                                                                                          | INLET FILTERS                                               | EACH  | 26       | 200.00                                                                                                                                     | 5,200.00   | 15.00                                                                                                                                             | 390.00     |
| 12                                                                                                                                                                                          | TEMPORARY EROSION CONTROL BLANKET                           | SQ YD | 600      | 7.00                                                                                                                                       | 4,200.00   | 1.00                                                                                                                                              | 600.00     |
| 13                                                                                                                                                                                          | CURB AND GUTTER REMOVAL AND REPLACEMENT                     | FOOT  | 235      | 65.00                                                                                                                                      | 15,275.00  | 51.00                                                                                                                                             | 11,985.00  |
| 14                                                                                                                                                                                          | SIDEWALK REMOVAL AND REPLACEMENT                            | SQ FT | 300      | 23.00                                                                                                                                      | 6,900.00   | 13.25                                                                                                                                             | 3,975.00   |
| 15                                                                                                                                                                                          | DETECTABLE WARNINGS                                         | SQ FT | 20       | 45.00                                                                                                                                      | 900.00     | 25.00                                                                                                                                             | 500.00     |
| 16                                                                                                                                                                                          | CLASS D PATCHES, TYPE IV, 6 INCH                            | SQ YD | 2400     | 66.00                                                                                                                                      | 158,400.00 | 53.00                                                                                                                                             | 127,200.00 |
| 17                                                                                                                                                                                          | PROTECTIVE COAT                                             | SQ YD | 206      | 5.00                                                                                                                                       | 1,030.00   | 1.00                                                                                                                                              | 206.00     |
| 18                                                                                                                                                                                          | DUCTILE IRON WATER MAIN 8", CLASS 52, WITH TRACER WIRE      | FOOT  | 2400     | 143.00                                                                                                                                     | 343,200.00 | 160.00                                                                                                                                            | 384,000.00 |
| 19                                                                                                                                                                                          | WATER VALVES 8"                                             | EACH  | 8        | 3,000.00                                                                                                                                   | 24,000.00  | 2,500.00                                                                                                                                          | 20,000.00  |
| 20                                                                                                                                                                                          | FIRE HYDRANTS TO BE REMOVED                                 | EACH  | 5        | 100.00                                                                                                                                     | 500.00     | 475.00                                                                                                                                            | 2,375.00   |
| 21                                                                                                                                                                                          | FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX             | EACH  | 6        | 8,500.00                                                                                                                                   | 51,000.00  | 10,150.00                                                                                                                                         | 60,900.00  |
| 22                                                                                                                                                                                          | VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH  | 8        | 3,000.00                                                                                                                                   | 24,000.00  | 6,225.00                                                                                                                                          | 49,800.00  |
| 23                                                                                                                                                                                          | MOBILIZATION                                                | L SUM | 1        | 12,000.00                                                                                                                                  | 12,000.00  | 72,000.00                                                                                                                                         | 72,000.00  |
| 24                                                                                                                                                                                          | THERMOPLASTIC PAVEMENT MARKING - LINE 6"                    | FOOT  | 805      | 6.00                                                                                                                                       | 4,830.00   | 7.75                                                                                                                                              | 6,238.75   |
| 25                                                                                                                                                                                          | SANITARY SEWER REMOVAL AND REPLACEMENT 8"                   | FOOT  | 20       | 150.00                                                                                                                                     | 3,000.00   | 350.00                                                                                                                                            | 7,000.00   |

Attachment: Bid Tabulation (2023 Water Main Replacement Contract 2)

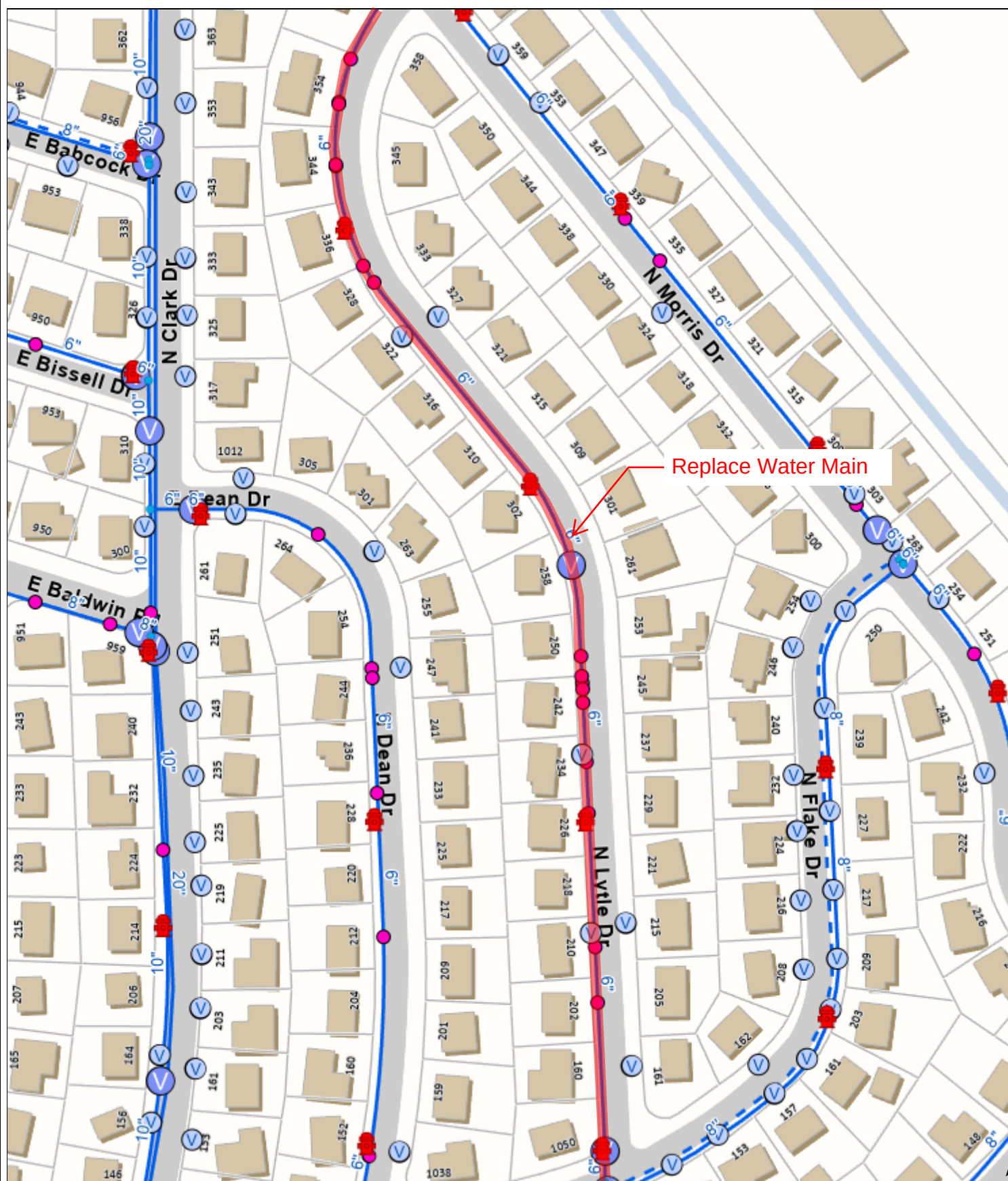


**Bid Opening:** 11:00 AM Tuesday, May 2, 2023

**Location:** Village Hall

| <p>Red unit price = unit price is above median unit price<br/> Blue unit price = unit price is equal to median unit price<br/> Green unit price = unit price is below median unit price</p> |                                               |       |          | <p><b>5</b><br/> Millenium Contracting Co.<br/> 5933 N. Knox Avenue<br/> Chicago, IL 60646<br/> (312) 878-7567<br/> Fax (312) 238-9401</p> |                     | <p><b>6</b><br/> A Lamp Concrete Contractors<br/> 1900 Wright Boulevard<br/> Schaumburg, IL 60193<br/> (847) 891-6000<br/> Fax (847) 891-1873</p> |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| ITEM NO.                                                                                                                                                                                    | DESCRIPTION                                   | UNIT  | QUANTITY | UNIT PRICE                                                                                                                                 | TOTAL               | UNIT PRICE                                                                                                                                        | TOTAL               |
| 26                                                                                                                                                                                          | SANITARY SEWER REMOVAL AND REPLACEMENT 10"    | FOOT  | 20       | 160.00                                                                                                                                     | 3,200.00            | 365.00                                                                                                                                            | 7,300.00            |
| 27                                                                                                                                                                                          | DRIVEWAY REMOVAL AND REPLACEMENT              | SQ YD | 120      | 150.00                                                                                                                                     | 18,000.00           | 110.00                                                                                                                                            | 13,200.00           |
| 28                                                                                                                                                                                          | VALVE VAULTS TO BE ABANDONED                  | EACH  | 7        | 250.00                                                                                                                                     | 1,750.00            | 550.00                                                                                                                                            | 3,850.00            |
| 29                                                                                                                                                                                          | FENCE REMOVAL AND REINSTALLATION              | FOOT  | 30       | 125.00                                                                                                                                     | 3,750.00            | 100.00                                                                                                                                            | 3,000.00            |
| 30                                                                                                                                                                                          | WATER SERVICE CONNECTION (SHORT)              | EACH  | 19       | 2,500.00                                                                                                                                   | 47,500.00           | 3,500.00                                                                                                                                          | 66,500.00           |
| 31                                                                                                                                                                                          | WATER SERVICE CONNECTION (LONG)               | EACH  | 25       | 4,656.00                                                                                                                                   | 116,400.00          | 4,500.00                                                                                                                                          | 112,500.00          |
| 32                                                                                                                                                                                          | CUT AND CAP EXISTING 6" WATER MAIN            | EACH  | 3        | 1,983.00                                                                                                                                   | 5,949.00            | 500.00                                                                                                                                            | 1,500.00            |
| 33                                                                                                                                                                                          | CUT AND CAP EXISTING 8" WATER MAIN            | EACH  | 2        | 2,056.00                                                                                                                                   | 4,112.00            | 750.00                                                                                                                                            | 1,500.00            |
| 34                                                                                                                                                                                          | CONNECTION TO EXISTING WATER MAIN 6"          | EACH  | 1        | 7,000.00                                                                                                                                   | 7,000.00            | 4,100.00                                                                                                                                          | 4,100.00            |
| 35                                                                                                                                                                                          | CONNECTION TO EXISTING WATER MAIN 8"          | EACH  | 5        | 7,500.00                                                                                                                                   | 37,500.00           | 4,250.00                                                                                                                                          | 21,250.00           |
| 36                                                                                                                                                                                          | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)      | EACH  | 8        | 500.00                                                                                                                                     | 4,000.00            | 850.00                                                                                                                                            | 6,800.00            |
| 37                                                                                                                                                                                          | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)     | L SUM | 1        | 21,180.00                                                                                                                                  | 21,180.00           | 161,000.00                                                                                                                                        | 161,000.00          |
| 38                                                                                                                                                                                          | CONCRETE WASHOUT                              | L SUM | 1        | 2,500.00                                                                                                                                   | 2,500.00            | 500.00                                                                                                                                            | 500.00              |
| 39                                                                                                                                                                                          | CONSTRUCTION LAYOUT                           | L SUM | 1        | 3,000.00                                                                                                                                   | 3,000.00            | 4,400.00                                                                                                                                          | 4,400.00            |
| 40                                                                                                                                                                                          | SIGNS                                         | EACH  | 2        | 500.00                                                                                                                                     | 1,000.00            | 250.00                                                                                                                                            | 500.00              |
| 41                                                                                                                                                                                          | STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH  | FOOT  | 20       | 180.00                                                                                                                                     | 3,600.00            | 135.00                                                                                                                                            | 2,700.00            |
| 42                                                                                                                                                                                          | STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH | FOOT  | 20       | 202.00                                                                                                                                     | 4,040.00            | 140.00                                                                                                                                            | 2,800.00            |
| 43                                                                                                                                                                                          | STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH | FOOT  | 120      | 216.00                                                                                                                                     | 25,920.00           | 150.00                                                                                                                                            | 18,000.00           |
| 44                                                                                                                                                                                          | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | FOOT  | 40       | 250.00                                                                                                                                     | 10,000.00           | 300.00                                                                                                                                            | 12,000.00           |
| <b>TOTAL BID AS READ</b>                                                                                                                                                                    |                                               |       |          | <b>\$</b>                                                                                                                                  | <b>1,094,456.00</b> | <b>\$</b>                                                                                                                                         | <b>1,204,622.75</b> |
| <b>TOTAL BID AS CORRECTED</b>                                                                                                                                                               |                                               |       |          |                                                                                                                                            |                     |                                                                                                                                                   |                     |
| <b>PROPOSAL GUARANTEE</b>                                                                                                                                                                   |                                               |       |          |                                                                                                                                            | 5.00%               |                                                                                                                                                   | 5.00%               |

Attachment: Bid Tabulation (2023 Water Main Replacement Contract 2)



Attachment: Location Maps (2023 Water Main Replacement Contract 2)

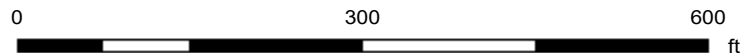
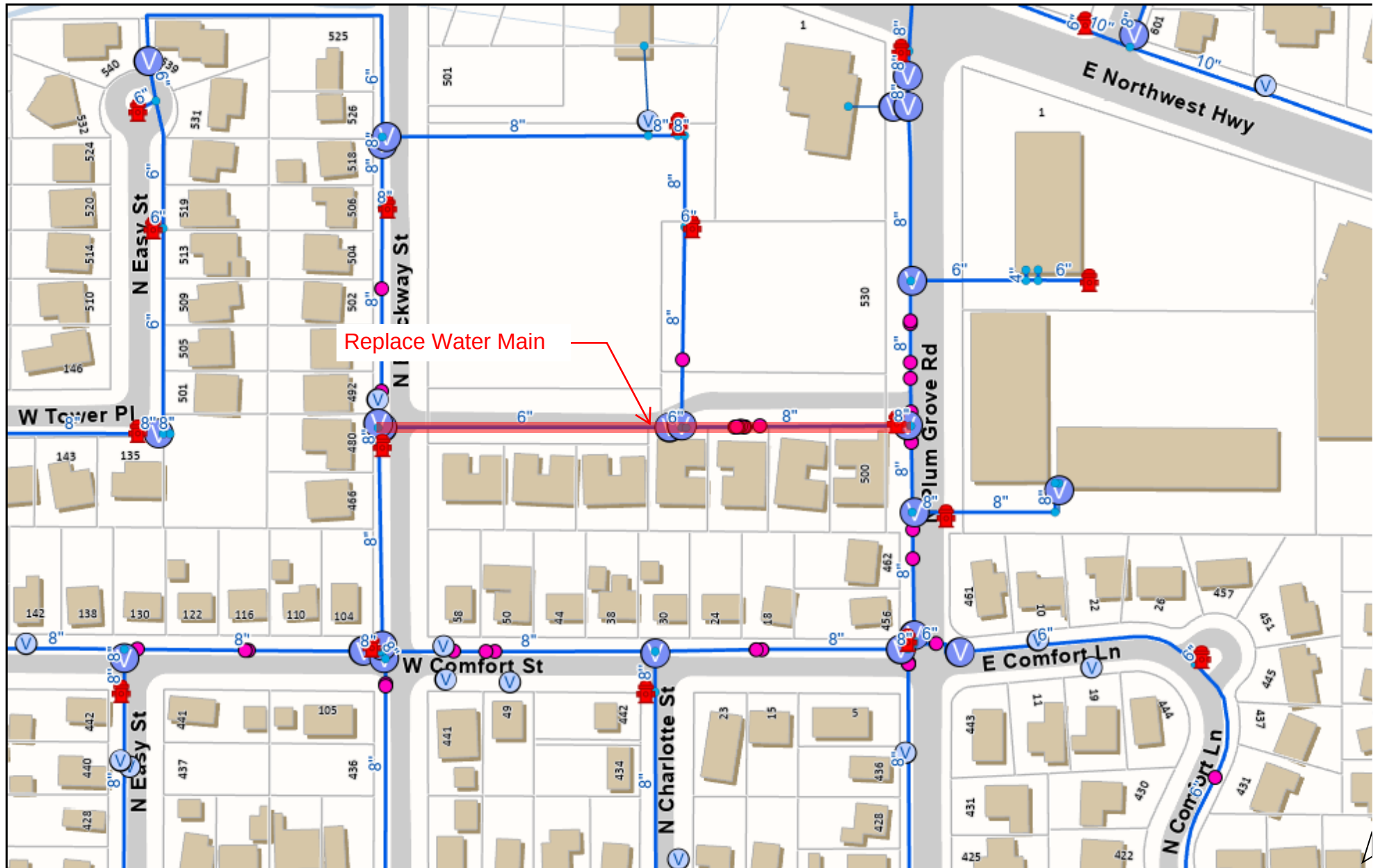
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Print Date: 11/21/2022

Notes

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.





Print Date: 11/21/2022

Notes

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Attachment: Location Maps (2023 Water Main Replacement Contract 2)

# **Consider a Motion Authorizing the Village Manager to Execute a Proposal for Construction Engineering Services for the 2023 Water Main Replacement Contract 1, Contract 2, and Contract 3 Projects**

## **BACKGROUND:**

Construction is scheduled for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects. Work commenced in May with construction to be substantially completed by early August for Contract 1 Phase 1. For Contract 2, work is tentatively scheduled to commence in June with construction to be substantially completed by August. For Contract 3, work is tentatively scheduled to commence in June with construction to be substantially completed by early September.

## **KEY ISSUES:**

- Utilizing construction engineering services is recommended to meet procedural requirements, assure quality construction, and allow for the necessary intermittent attention needed during this construction project.
- A qualification-based selection process was used for construction engineering.
- Doland Engineering completed the design and permitting for the Contract 1 Phase 1 project and demonstrated their ability to perform construction engineering on behalf of the Village in 2022 for water main replacement projects.

## **ALTERNATIVES:**

1. Authorize the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects.
2. Refer back to Staff with comments.

## **RECOMMENDATION:**

Staff recommends authorizing the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects.

## **BUDGET IMPACT:**

Funding is available in the Water Fund of the 2023 Capital Improvement Program to accommodate this work.

## **ACTION REQUIRED:**

Motion to authorize the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects in the amount of \$134,700.

## **ATTACHMENTS:**

- Doland Proposal



Request for Proposal 2023 Watermain Replacement  
 Contract 1 (DPW-2321) Cunningham Dr.  
 Contract 2 (DPW-2322) & Contract 3 (DPW-2323)  
 Construction Engineering Services  
 Village of Palatine  
 April 25, 2023

Submitted to:

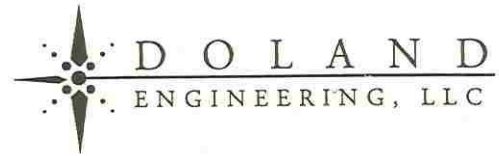
Mr. George Ruppert, P.E.  
 Village Engineer  
 Village of Palatine



Submitted by:



Celebrating Over 50 years of  
 Responsible Engineering  
 – For Now, and the Future –



April 25, 2023

Mr. George Ruppert  
Village Engineer  
Village of Palatine  
200 E. Wood Street  
Palatine, Illinois 60067

RE: 2023 Water Main Replacement – Contract 1 (DPW-2321) Cunningham Dr., Contract 2 (DPW-2322) & Contract 3 (DPW-2323)

Dear Mr. Ruppert,

It is with pleasure that Doland Engineering, LLC presents the Village of Palatine with this proposal for Water Main Replacement construction engineering services. We have a strong background in municipal engineering as we regularly provide construction engineering services to governmental agencies. We have served the Village of Palatine in the past on projects and we are confident that the Village staff has been fully satisfied with the quality of our firm's work. During those projects, we have fostered a strong relationship with the Village of Palatine staff by providing the highest quality consulting services. As a result of our highly qualified staff, our clients have full confidence in our leadership, planning, oversight, schedule and budget adherence, through full project completion and close out. The member of our professional staff who will represent our firm regarding all matters related to this proposal will be myself, Desiree Doland. My contact information is as follows:

Desiree D. Doland, P.E.  
Doland Engineering, LLC  
334 E. Colfax Street, Suite C Palatine,  
IL 60067  
Ph. (847) 991-5088 x117  
Email: ddoland@dolandengineering.com

I look forward to the opportunity to work with you and your staff.

Sincerely,

A handwritten signature in cursive script, appearing to read "Desiree D. Doland".

Desiree D. Doland, P.E.  
C.E.O.

334 EAST COLFAX STREET, SUITE C, PALATINE, ILLINOIS 60067  
847.991.5088 • FAX 847.934.3427 • WWW.DOLANDENGINEERING.COM

Attachment: Doland Proposal (2023 Water Main Replacement Contracts 1, 2, and 3 Construction Engineering Services)



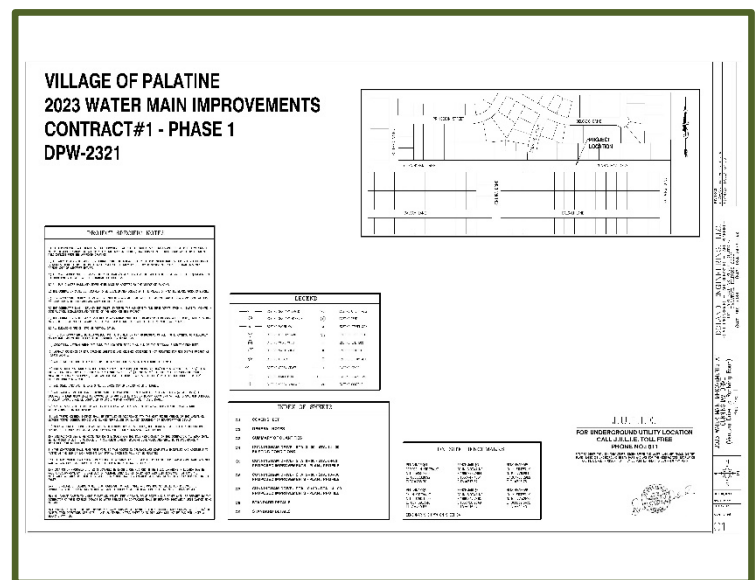
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  - B. Project Approach
  - C. Project Construction Services
- SECTION 2: Project Organizational Chart
- A. Organizational Chart
- SECTION 3: Proposed Project Timeline and Fees
- A. Project Timeline/Milestones
  - B. Construction Engineering Fee Schedule

# SECTION 1: PROJECT UNDERSTANDING/APPROACH

## A. Project Understanding

We have reviewed the Final Engineering Plans for both Contract 2 and Contract 3 along with their respective bid documents, including special provisions. We have visited the site and performed a thorough inspection of all areas involved, taking special note of areas of concern for construction. This information, combined with our conversations with Village staff and our experience with prior construction engineering work for the Village of Palatine, gives us a complete understanding of this project and the expectations of the Village for a successful completion. Upon reviewing all the information, we find the main components of the project to be:



### Contract 1

- Watermain Installation for new 8" or 10" mains (utilizing open cut, boring or directional drilling)
- Connections to existing 6", 8" and 10" water main systems at project limits
- Water valves in vaults for system isolation
- Storm Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Sanitary Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Roadway pavement, curb & gutter and sidewalk removal and replacement for open cut installations
- Landscape restoration

### Contract 2

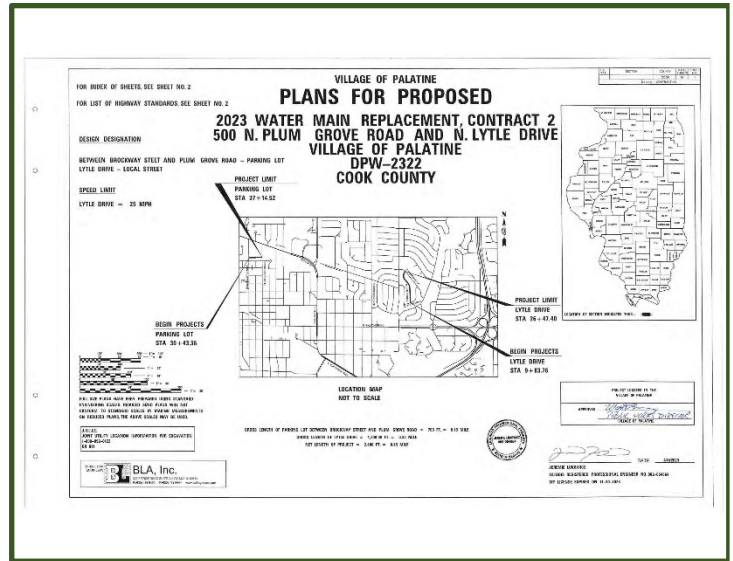
- Watermain Installation for new 8" main (utilizing open cut)
- Connections to existing 6" and 8" water main systems at project limits
- Water valves in vaults for system isolation



- Storm Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Sanitary Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Roadway pavement, curb & gutter and sidewalk removal and replacement for open cut installations
- Landscape restoration

### Contract 3

- Watermain Installation for new 8" and 12" main (utilizing open cut)
- Connections to existing 6", 8" and 12" water main systems at project limits
- Water valves in vaults for system isolation
- Storm Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Sanitary Sewer replacements for water main quality pipe (or casing) as necessary to accommodate separation requirements
- Roadway pavement, curb & gutter and sidewalk removal and replacement for open cut installations
- Landscape restoration

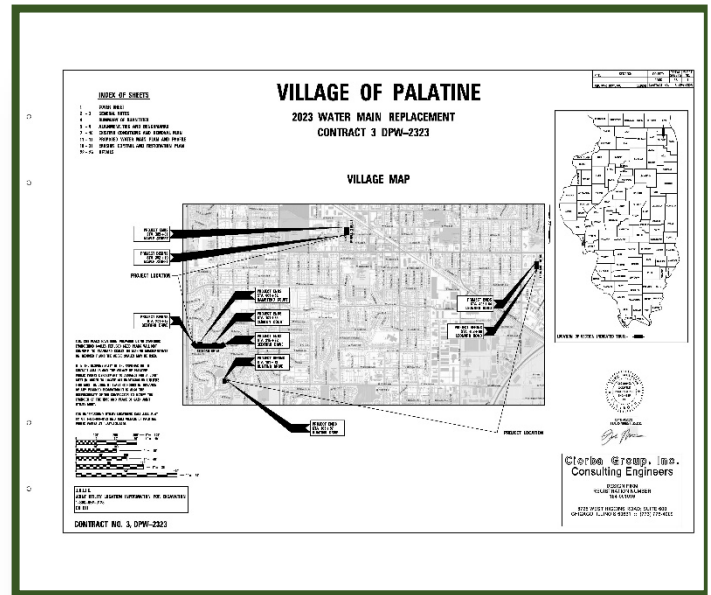


## B. Project Approach

We approach construction engineering projects with a very detailed eye from start to finish; this secures the success of the project. Upon reviewing the plans and specifications there are several areas we have identified as key concerns that will require special attention to ensure the successful execution of the construction operations. There are traffic control and vehicular access issues to be cognizant of for the safety of pedestrians and motorists alike. Of particular concern on this project are the following:

- Palatine High School poses schedule constraints and has traffic control measures that will be imperative to oversee for the safety of the workers and the public alike in this area.
- Brockway to Plum Grove Road parking lot
  - Commercial tenants, customers and deliveries will pose unique coordination and safety concerns that are different than a standard municipal roadway setting. Traffic control measures that will be imperative to oversee for the safety of the workers and commercial patrons in this area.
- Lytle Drive, Leonard Road, Maple Street, Bedford Drive

- The residential neighborhood setting will have residents in close proximity to the construction activities. General access to driveways and noise concerns will be prevalent in the minds of residents of this street. Additionally, the access to emergency vehicles through the construction zone will be imperative, particularly with the curvilinear characteristic of the street that will make keeping a consistent lane of traffic open and visible to motorists.
- Hamstead Court, Clinton Court and Hunting Drive
  - The cul-de-sac characteristics of these locations will make access a heightened concern for residents and emergency services. The coordination and notification for access or service interruptions will be imperative to ensure a successful completion in these isolated street locations.



Therefore, coordination and scheduling will be of the highest importance throughout the project. Approaching the project with a preemptive view will aid in scheduling, safety, and budget adherence.

#### *Project Coordination:*

Involving all parties in the coordination and scheduling of the project from the beginning is essential to its success. There are several public entities whose transportation and access needs will be impacted by this project:

- Palatine Police Department
- Palatine Fire Department

We would like to give the Village, its safety providers (fire and police departments), an opportunity to discuss the project and the potential impact it may have on their organizations. We would like to forward the contractor's schedule, and all schedule updates, to the Police and Fire Departments to keep them informed and to allow them to provide us with any of their concerns related to the construction schedule.

#### *Utility Coordination:*

It is imperative that a full review of all existing utilities and their crossing locations are verified prior to construction. We will work with the Contractor, as needed, for any exploratory excavations to determine elevations of utilities that may be in conflict. If needed, coordination with the utility companies will begin immediately so that any



adjustments to the construction schedule can be made to ensure that there are no delays in progress of the project.

*Traffic Control and Patterns:*

With improvements crossing several intersections, which will inherently require temporary intersection closures, traffic control and signage will be critical to ensuring safety and continued flow of traffic. It will be imperative that the appropriate signage is in place and verified on a daily basis.

In addition to hauling trucks, there will be many material delivery trucks throughout the construction that will also need to be coordinated with the Contractor and our staff. The storing of materials will need to be determined prior to delivery and no materials will be allowed in areas that reduce sight distance or create a safety issue for both pedestrian and vehicular traffic.

## Project Construction Services

We will perform construction observation and inspection services throughout the project duration on behalf of the Village of Palatine. Our RE services will be performed by professional and technical staff as warranted by the work being undertaken and all work will be under the direct supervision of a licensed professional engineer. The following tasks will be performed by our staff:

### 1) Pre-Construction Services

- ❖ Ascertain the standard practices of the Village and become familiar with the contract documents
- ❖ Prepare conformed bid documents
- ❖ Prepare project files, Quantity and IDR Books

### 2) Construction Services

On-site representation to accurately document and record by measure and/or computation all quantities used on the construction project and to ensure that project details and specifications are being implemented and followed. This observation will ensure that all water main installation and shut down coordination is amply supported by our staff so that the construction operations can be viewed and inspected along with quantities and cost items adequately documents.

- ❖ Preparing and submitting daily inspection reports and quality control reporting
- ❖ Maintain a project daily diary
- ❖ Advise and assist Village in resolving construction issues
- ❖ Prepare design clarifications
- ❖ Prepare Requests for Change (RFC)
- ❖ Review and coordinate all Requests for Information (RFI's)
- ❖ Verify contractor's adherence to the plans and special provisions
- ❖ Monitor, maintain and update project schedule
- ❖ Conduct regular meetings with contractor and applicable team members
- ❖ Provide weekly construction activity reports
- ❖ Review change orders for approval of extra work
- ❖ Review contractor's submittals for conformance with contract documents
- ❖ Develop project punchlist
- ❖ Furnish and possess on-site all necessary field survey equipment necessary for measurement verification of contractor's work

### 3) Post-Construction / Project Close-out Services

- ❖ Manage punchlist completion and documentation of all final waivers, closeout documents and record drawings
- ❖ Assist in application for payment requests
- ❖ Close-out project accounting and provide status of final project budget

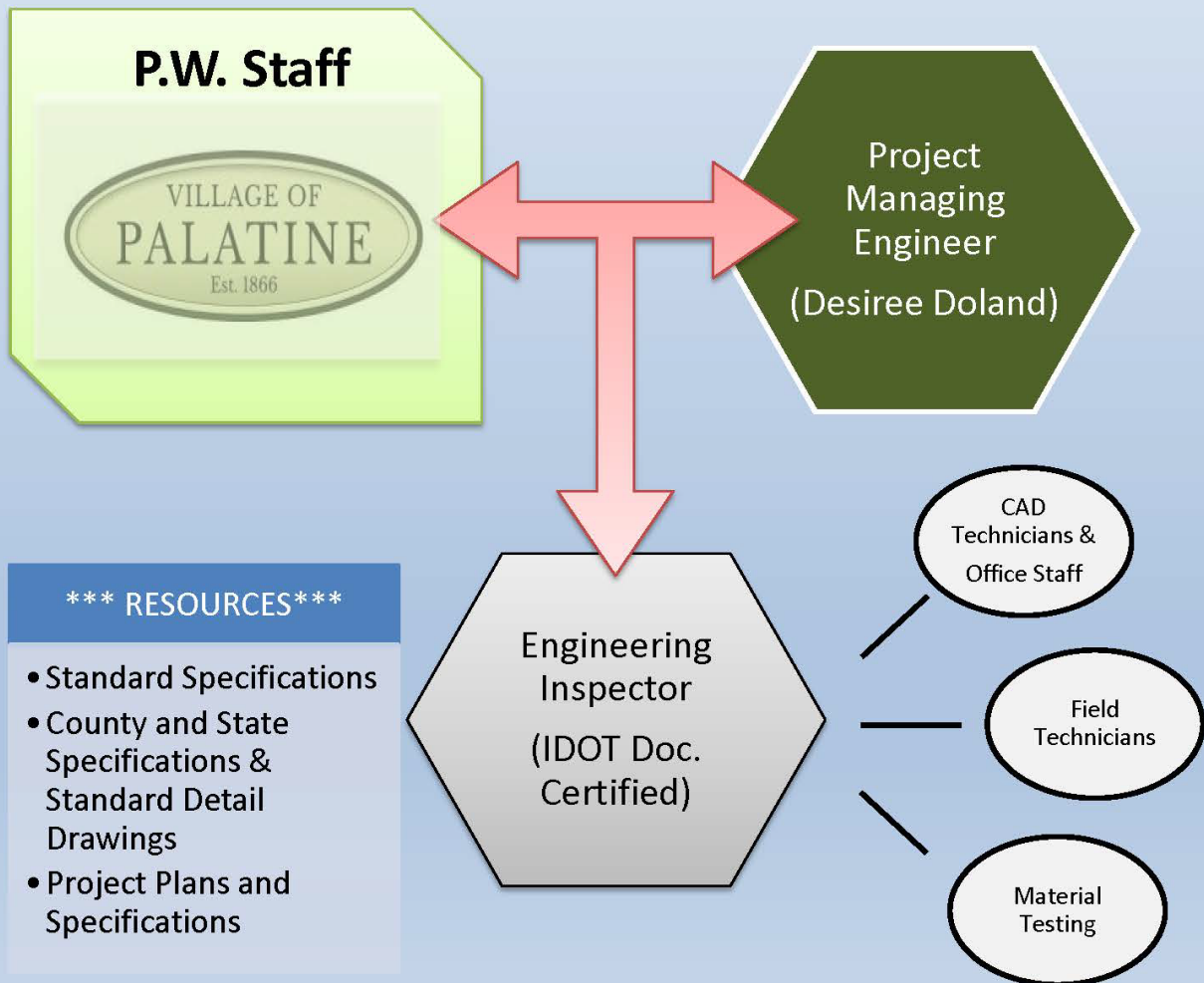


## SECTION 2: ORGANIZATIONAL CHART



### 2023 W.M. Improvements Construction Oversight and Inspection Services Organizational Chart

The illustration below represents how the key staff members will utilize necessary resources and identify communication paths



## SECTION 3: PROJECT TIMELINE AND FEES

### A. Project Timeline/Milestones

Based upon projects of similar scope of work, we estimate that this project will have a duration for each segment as follows:

#### Contract 1 (DPW 2321)

Total anticipated construction time for "Contract 1" is 50 days.

#### Contract 2 (DPW 2322)

Total anticipated construction time for "Contract 2" is 35 days.

#### Contract 3 (DPW 2323)

Total anticipated construction time for "Contract 3" is 40 days.

If the projects are run concurrently, then we could potentially reduce our staff-hours by sharing personnel and resources across the projects, depending on project complexity and contractor coordination needs.

### B. Construction Engineering Fee Schedule

For our fee establishment, we have used the anticipated work schedule noted above for the contractor to complete this work. We further anticipate 5 days per project for each project for attention to punchlist items. This current anticipated contractor's work schedule was the basis for our man-hours for performing RE duties. A tabulation of the contractor's schedule and our associated inspection hours is tallied as follows:

#### Fee Forecast:

Based on our forecast of contractor working days, we have used this construction schedule to arrive at a fee that will allow for a construction inspector to provide all necessary inspection and oversight services for each

| Contract 1 - Cunningham Drive   |                           |                                 |                                  |
|---------------------------------|---------------------------|---------------------------------|----------------------------------|
| Task                            | Contractor's<br>Work Days | Professional<br>Engineer (hrs.) | Construction<br>Inspector (hrs.) |
| Task 1<br>Pre-Construction      | 0                         | 4                               | 24                               |
| Task 2<br>Construction Services | 50                        | 25                              | 400                              |
| Task 3<br>Post-Construction     | 5                         | 20                              | 20                               |
| Total Estimated Hours           |                           | 49                              | 444                              |
| Hourly Rate                     |                           | \$150.00                        | \$105.00                         |
| Total Fee                       |                           | \$7,350.00                      | \$46,620.00                      |
|                                 |                           | <b>Total Fee =</b>              | <b>\$53,970.00</b>               |

| Contract #2                     |                           |                                 |                                  |
|---------------------------------|---------------------------|---------------------------------|----------------------------------|
| Task                            | Contractor's<br>Work Days | Professional<br>Engineer (hrs.) | Construction<br>Inspector (hrs.) |
| Task 1<br>Pre-Construction      | 0                         | 4                               | 8                                |
| Task 2<br>Construction Services | 35                        | 35                              | 280                              |
| Task 3<br>Post-Construction     | 5                         | 5                               | 10                               |
| Total Estimated Hours           |                           | 44                              | 298                              |
| Hourly Rate                     |                           | \$150.00                        | \$105.00                         |
| Total Fee                       |                           | \$6,600.00                      | \$31,290.00                      |
|                                 |                           | <b>Total Fee =</b>              | <b>\$37,890.00</b>               |

| Contract #3                     |                           |                                 |                                  |
|---------------------------------|---------------------------|---------------------------------|----------------------------------|
| Task                            | Contractor's<br>Work Days | Professional<br>Engineer (hrs.) | Construction<br>Inspector (hrs.) |
| Task 1<br>Pre-Construction      | 0                         | 4                               | 8                                |
| Task 2<br>Construction Services | 40                        | 40                              | 320                              |
| Task 3<br>Post-Construction     | 5                         | 5                               | 10                               |
| Total Estimated Hours           |                           | 49                              | 338                              |
| Hourly Rate                     |                           | \$150.00                        | \$105.00                         |
| Total Fee                       |                           | \$7,350.00                      | \$35,490.00                      |
|                                 |                           | <b>Total Fee =</b>              | <b>\$42,840.00</b>               |



project, including all critical operations and shut down coordination. Total Anticipated Fee = \$134,700.00.

The construction bid totals of these projects tallies to \$3,104,312 so the RE fee of \$134,700 tabulates to 4.3% of that construction value. While RE services are typically estimated at a standard 10% of construction value, we believe that through the efficiency of staffing across the three water main projects that this substantially lower than standard fee can be realized as long as field conditions do not extend the contractor's working days.

This fee forecast is based upon the estimated hours of work of the responsible staff as tallied above. The actual billing will be submitted based upon the actual hours worked by our staff. For any work outside the scope of this proposal (including additional contractor's working days), we would provide you with a supplemental proposal based upon the above-listed hourly rates of the individual staff members.

---

Accepted By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

# Consider a Motion to Approve 2023 Warrant #11

## Village of Palatine Warrant approval

\_\_\_\_\_  
Village Clerk

\_\_\_\_\_  
Mayor

Warrant # 11 having been approved by the Village Council on 06/05/2023 authorizes the Treasurer to deposit funds from the accounts indicated below:

|                              |     | Check/ACH<br>Disbursements | Electronic<br>(EFT/W-T)<br>Disbursements | Manual<br>Checks | UB Refunds<br>Processed | Fund<br>Expense     |
|------------------------------|-----|----------------------------|------------------------------------------|------------------|-------------------------|---------------------|
| General Fund                 | 100 | 395,941.97                 | 464.00                                   | -                | -                       | 396,405.97          |
| Motor Fuel Tax Fund          | 205 | 1,137,825.86               | -                                        | -                | -                       | 1,137,825.86        |
| State Equitable Sharing Fund | 222 | 1,124.00                   | -                                        | -                | -                       | 1,124.00            |
| Downtown TIF Fund            | 233 | 11,542.71                  | -                                        | -                | -                       | 11,542.71           |
| CDBG - CV                    | 255 | 50,376.39                  | -                                        | -                | -                       | 50,376.39           |
| ARPA Fund                    | 256 | 578,814.70                 | -                                        | -                | -                       | 578,814.70          |
| Capital Equipment Fund       | 401 | 148,045.40                 | -                                        | -                | -                       | 148,045.40          |
| Capital Improvements Fund    | 402 | 92,012.92                  | -                                        | -                | -                       | 92,012.92           |
| Water Fund                   | 605 | 147,256.57                 | -                                        | -                | 61.43                   | 147,318.00          |
| Sewer Fund                   | 610 | 4,025.22                   | -                                        | -                | -                       | 4,025.22            |
| Refuse Fund                  | 615 | 114,938.00                 | -                                        | -                | 107.67                  | 115,045.67          |
| Parking Fund                 | 620 | 12,708.09                  | -                                        | -                | -                       | 12,708.09           |
| Liability Insurance Fund     | 702 | 9,523.75                   | -                                        | -                | -                       | 9,523.75            |
| Fleet Services Fund          | 710 | 53,859.51                  | -                                        | -                | -                       | 53,859.51           |
| Insurance AP Fund            | 899 | 1,718.60                   | -                                        | -                | -                       | 1,718.60            |
| <b>Total Report</b>          |     | <b>2,759,713.69</b>        | <b>464.00</b>                            | <b>-</b>         | <b>169.10</b>           | <b>2,760,346.79</b> |

### ATTACHMENTS:

- Warrant #11





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                               | Invoice Description         | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|--------------------------------------------------------------|-----------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>4040 - 1st Ayd Corporation</b>                     |                             |        |             |              |            |            |               |              |                    |
| PSI609591                                                    | Parts - Stock               | Open   |             | 04/27/2023   | 05/27/2023 | 05/31/2023 |               |              | 227.02             |
| PSI609917                                                    | Parts - Stock               | Open   |             | 04/28/2023   | 05/28/2023 | 05/31/2023 |               |              | 295.20             |
| Vendor <b>4040 - 1st Ayd Corporation</b> Totals              |                             |        |             |              |            |            | Invoices      | 2            | \$522.22           |
| Vendor <b>1553 - Acme Truck &amp; Brake Supply</b>           |                             |        |             |              |            |            |               |              |                    |
| 01_329718                                                    | Parts - T-411               | Open   |             | 05/04/2023   | 06/03/2023 | 05/16/2023 |               |              | 483.34             |
| 01_329987                                                    | Parts - Stock               | Open   |             | 05/05/2023   | 06/05/2023 | 05/31/2023 |               |              | 344.85             |
| Vendor <b>1553 - Acme Truck &amp; Brake Supply</b> Totals    |                             |        |             |              |            |            | Invoices      | 2            | \$828.19           |
| Vendor <b>4853 - Advance Auto Parts</b>                      |                             |        |             |              |            |            |               |              |                    |
| 2376-1157967                                                 | Parts - STOCK               | Open   |             | 05/08/2023   | 06/07/2023 | 05/30/2023 |               |              | 27.58              |
| 2376-1158032                                                 | Parts - STOCK               | Open   |             | 05/08/2023   | 06/07/2023 | 05/30/2023 |               |              | 55.16              |
| 2376-1158168                                                 | Parts - Stock               | Open   |             | 05/08/2023   | 06/08/2023 | 05/31/2023 |               |              | 239.36             |
| 2376-1158252                                                 | Parts - T-419               | Open   |             | 05/09/2023   | 06/08/2023 | 05/30/2023 |               |              | 47.70              |
| 2376-1158857                                                 | Parts - STOCK               | Open   |             | 05/11/2023   | 06/10/2023 | 05/30/2023 |               |              | 49.65              |
| 2376-1158868                                                 | Parts - E-222               | Open   |             | 05/11/2023   | 06/10/2023 | 05/30/2023 |               |              | 128.67             |
| 2376-1159502                                                 | Parts - Stock               | Open   |             | 05/15/2023   | 06/15/2023 | 05/31/2023 |               |              | 132.62             |
| 2376-1160240                                                 | Parts - STOCK               | Open   |             | 05/17/2023   | 06/16/2023 | 05/30/2023 |               |              | 20.62              |
| 2376-1160666                                                 | Parts - STOCK               | Open   |             | 05/19/2023   | 06/18/2023 | 05/30/2023 |               |              | 10.42              |
| Vendor <b>4853 - Advance Auto Parts</b> Totals               |                             |        |             |              |            |            | Invoices      | 9            | \$711.78           |
| Vendor <b>1759 - Air One Equipment, Inc.</b>                 |                             |        |             |              |            |            |               |              |                    |
| 193824                                                       | Boots                       | Open   |             | 05/17/2023   | 06/16/2023 | 05/18/2023 |               |              | 970.00             |
| 193825                                                       | Tower 85 Tools              | Open   |             | 05/17/2023   | 06/15/2023 | 05/17/2023 |               |              | 3,568.50           |
| Vendor <b>1759 - Air One Equipment, Inc.</b> Totals          |                             |        |             |              |            |            | Invoices      | 2            | \$4,538.50         |
| Vendor <b>2645 - Alexander Equipment Company, Inc</b>        |                             |        |             |              |            |            |               |              |                    |
| 197186                                                       | Parts - C-404               | Open   |             | 04/27/2023   | 05/27/2023 | 05/31/2023 |               |              | 370.79             |
| Vendor <b>2645 - Alexander Equipment Company, Inc</b> Totals |                             |        |             |              |            |            | Invoices      | 1            | \$370.79           |
| Vendor <b>3060 - Allegra Print &amp; Imaging</b>             |                             |        |             |              |            |            |               |              |                    |
| 100882                                                       | #10 Regular White Envelopes | Open   |             | 05/16/2023   | 06/16/2023 | 05/17/2023 |               |              | 199.63             |
| Vendor <b>3060 - Allegra Print &amp; Imaging</b> Totals      |                             |        |             |              |            |            | Invoices      | 1            | \$199.63           |
| Vendor <b>2496 - Altorfer Industries, Inc</b>                |                             |        |             |              |            |            |               |              |                    |
| P54R0021195                                                  | Credit Memo                 | Open   |             | 05/12/2023   | 06/14/2023 | 05/31/2023 |               |              | (5.05)             |
| P54C0161361                                                  | Parts - E-221               | Open   |             | 05/15/2023   | 06/14/2023 | 05/30/2023 |               |              | 12.93              |
| P56C0031686                                                  | Parts - E-221               | Open   |             | 05/15/2023   | 06/14/2023 | 05/31/2023 |               |              | 13.08              |
| P56C0031687                                                  | Parts - E-221               | Open   |             | 05/15/2023   | 06/14/2023 | 05/31/2023 |               |              | 81.42              |
| P56C0031945                                                  | Parts - E-221               | Open   |             | 05/18/2023   | 06/17/2023 | 05/31/2023 |               |              | 13.08              |
| Vendor <b>2496 - Altorfer Industries, Inc</b> Totals         |                             |        |             |              |            |            | Invoices      | 5            | \$115.46           |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                       | Invoice Description                                         | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|------------------------------------------------------|-------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| <b>Vendor 2491 - Anderson Pest Solutions</b>         |                                                             |        |             |              |            |            |               |              |                    |
| 45043876                                             | Pest Control Services May 2023-Fire Station 83              | Open   |             | 05/07/2023   | 06/06/2023 | 05/25/2023 |               |              | 43.14              |
| Vendor 2491 - Anderson Pest Solutions Totals         |                                                             |        |             |              |            |            | Invoices      | 1            | \$43.14            |
| <b>Vendor 1730 - Andres Medical Billing</b>          |                                                             |        |             |              |            |            |               |              |                    |
| 052023PLIL                                           | BILLING CHARGES - APRIL                                     | Open   |             | 04/30/2023   | 06/09/2023 | 05/10/2023 |               |              | 8,605.36           |
| Vendor 1730 - Andres Medical Billing Totals          |                                                             |        |             |              |            |            | Invoices      | 1            | \$8,605.36         |
| <b>Vendor 3669 - Aquafix, Inc</b>                    |                                                             |        |             |              |            |            |               |              |                    |
| IN005622                                             | Sewer Grease Treatment                                      | Open   |             | 01/18/2023   | 05/01/2023 | 05/24/2023 |               |              | 1,671.54           |
| Vendor 3669 - Aquafix, Inc Totals                    |                                                             |        |             |              |            |            | Invoices      | 1            | \$1,671.54         |
| <b>Vendor 5021 - Arlington Heights Ford LLC</b>      |                                                             |        |             |              |            |            |               |              |                    |
| 91002H                                               | Parts - T-479                                               | Open   |             | 04/26/2023   | 05/26/2023 | 05/31/2023 |               |              | 95.80              |
| 91487H                                               | Parts - T-494                                               | Open   |             | 05/06/2023   | 06/05/2023 | 05/31/2023 |               |              | 189.02             |
| 92602H                                               | Parts - T-447                                               | Open   |             | 05/09/2023   | 06/08/2023 | 05/31/2023 |               |              | 269.24             |
| 92761H                                               | Parts - T-447                                               | Open   |             | 05/09/2023   | 06/08/2023 | 05/31/2023 |               |              | 6.74               |
| 93086H                                               | Parts - T-409                                               | Open   |             | 05/11/2023   | 06/10/2023 | 05/31/2023 |               |              | 5.36               |
| 156015                                               | Repairs & Maintenance-T-462                                 | Open   |             | 05/17/2023   | 06/16/2023 | 05/31/2023 |               |              | 709.46             |
| Vendor 5021 - Arlington Heights Ford LLC Totals      |                                                             |        |             |              |            |            | Invoices      | 6            | \$1,275.62         |
| <b>Vendor 1443 - Arlington Power Equipment</b>       |                                                             |        |             |              |            |            |               |              |                    |
| 156330                                               | Fuel- Small Tools                                           | Open   |             | 05/17/2023   | 06/16/2023 | 05/18/2023 |               |              | 204.85             |
| 154193                                               | Parts - PT-124                                              | Open   |             | 05/02/2023   | 06/01/2023 | 05/25/2023 |               |              | 206.63             |
| 155332                                               | Parts - PT-109                                              | Open   |             | 05/10/2023   | 06/09/2023 | 05/25/2023 |               |              | 341.98             |
| 156041                                               | Parts - PT-48                                               | Open   |             | 05/16/2023   | 06/15/2023 | 05/25/2023 |               |              | 327.67             |
| Vendor 1443 - Arlington Power Equipment Totals       |                                                             |        |             |              |            |            | Invoices      | 4            | \$1,081.13         |
| <b>Vendor 2322 - Arrow Road Construction Company</b> |                                                             |        |             |              |            |            |               |              |                    |
| 68723 * 3                                            | 2023 Street Resurfacing Program MFT Section #23-00000-00-GM | Open   |             | 05/30/2023   | 06/15/2023 | 05/30/2023 |               |              | 1,137,825.86       |
| 68823 * 3                                            | 2023 Supplemental Street Resurfacing Program DPW-2315       | Open   |             | 05/30/2023   | 06/15/2023 | 05/30/2023 |               |              | 150,310.95         |
| Vendor 2322 - Arrow Road Construction Company Totals |                                                             |        |             |              |            |            | Invoices      | 2            | \$1,288,136.81     |
| <b>Vendor 2744 - Avalon Petroleum Company</b>        |                                                             |        |             |              |            |            |               |              |                    |
| 030926                                               | Motor Fuel                                                  | Open   |             | 05/02/2023   | 06/01/2023 | 05/16/2023 |               |              | 16,723.04          |
| 305543                                               | Motor Fuel - Off Road Tank PW                               | Open   |             | 05/02/2023   | 06/01/2023 | 05/31/2023 |               |              | 4,802.56           |
| Vendor 2744 - Avalon Petroleum Company Totals        |                                                             |        |             |              |            |            | Invoices      | 2            | \$21,525.60        |
| <b>Vendor 3520 - Axon Enterprise, Inc.</b>           |                                                             |        |             |              |            |            |               |              |                    |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                               | Invoice Description                                       | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------------------------------------|-----------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| INUS155632                                   | Fleet Camera Installation                                 | Open   |             | 05/03/2023   | 06/02/2023 | 05/19/2023 |               |              | 575,246.20         |
| Vendor 3520 - Axon Enterprise, Inc.          |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$575,246.20       |
| Vendor 3024 - Bryce M Baker                  |                                                           |        |             |              |            |            |               |              |                    |
| 2023-00000434                                | Special Investigations - Report # 23-012141               | Open   |             | 05/23/2023   | 06/05/2023 | 05/19/2023 |               |              | 200.00             |
| Vendor 3024 - Bryce M Baker                  |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$200.00           |
| Vendor 3124 - Adam J Begale                  |                                                           |        |             |              |            |            |               |              |                    |
| 2023-00000387                                | Tuition Reimbursement                                     | Open   |             | 05/09/2023   | 05/09/2023 | 05/09/2023 |               |              | 813.00             |
| Vendor 3124 - Adam J Begale                  |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$813.00           |
| Vendor 1101 - Beverly Materials LLC          |                                                           |        |             |              |            |            |               |              |                    |
| 290046                                       | Wash Stone-WMB Restoration Repair                         | Open   |             | 05/06/2023   | 06/05/2023 | 05/24/2023 |               |              | 401.76             |
| Vendor 1101 - Beverly Materials LLC          |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$401.76           |
| Vendor 1198 - Bittners Spray Equipment       |                                                           |        |             |              |            |            |               |              |                    |
| 81171                                        | Traffic Line Striper Attachments                          | Open   |             | 05/09/2023   | 06/08/2023 | 05/19/2023 |               |              | 1,690.00           |
| Vendor 1198 - Bittners Spray Equipment       |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$1,690.00         |
| Vendor 1722 - BLA, Inc                       |                                                           |        |             |              |            |            |               |              |                    |
| 22455-2                                      | 2023 Water Main Replacement Contract 2 Design DPW-2322    | Open   |             | 03/31/2023   | 05/31/2023 | 05/31/2023 |               |              | 15,420.00          |
| Vendor 1722 - BLA, Inc                       |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$15,420.00        |
| Vendor 5286 - Jonathan Blazek                |                                                           |        |             |              |            |            |               |              |                    |
| 2023-00000395                                | Lead Water Service Line Replacement Program Reimbursement | Open   |             | 05/16/2023   | 06/02/2023 | 05/12/2023 |               |              | 10,000.00          |
| Vendor 5286 - Jonathan Blazek                |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$10,000.00        |
| Vendor 5300 - BOS                            |                                                           |        |             |              |            |            |               |              |                    |
| 52525                                        | Badge Display Case                                        | Open   |             | 05/08/2023   | 05/23/2023 | 05/19/2023 |               |              | 4,972.90           |
| Vendor 5300 - BOS                            |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$4,972.90         |
| Vendor 1492 - Bound Tree Medical LLC         |                                                           |        |             |              |            |            |               |              |                    |
| 84958848                                     | Medical Supplies                                          | Open   |             | 05/16/2023   | 06/15/2023 | 05/18/2023 |               |              | 215.28             |
| Vendor 1492 - Bound Tree Medical LLC         |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$215.28           |
| Vendor 2389 - Bridge Youth & Family Services |                                                           |        |             |              |            |            |               |              |                    |
| 2023-00000425                                | CDBG-CV The Bridge                                        | Open   |             | 05/25/2023   | 05/25/2023 | 05/25/2023 |               |              | 22,500.00          |
| Vendor 2389 - Bridge Youth & Family Services |                                                           |        | Totals      |              |            | Invoices   | 1             |              | \$22,500.00        |
| Vendor 1230 - Busch Auto Service Center      |                                                           |        |             |              |            |            |               |              |                    |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number | Invoice Description                                        | Status | Held Reason | Invoice Date                                           | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------|------------------------------------------------------------|--------|-------------|--------------------------------------------------------|------------|------------|---------------|--------------|--------------------|
| I036494        | Repairs & Maintenance - T-464                              | Open   |             | 05/02/2023                                             | 06/01/2023 | 05/25/2023 |               |              | 75.00              |
|                |                                                            |        | Vendor      | <b>1230 - Busch Auto Service Center</b> Totals         |            |            | Invoices      | 1            | \$75.00            |
| Vendor         | <b>2095 - Cannon Cochran Mgmnt Services Inc</b>            |        |             |                                                        |            |            |               |              |                    |
| 0148007        | 2023 Claims Administrator                                  | Open   |             | 04/30/2023                                             | 04/30/2023 | 05/03/2023 |               |              | 9,523.75           |
|                |                                                            |        | Vendor      | <b>2095 - Cannon Cochran Mgmnt Services Inc</b> Totals |            |            | Invoices      | 1            | \$9,523.75         |
| Vendor         | <b>2650 - Case Lots</b>                                    |        |             |                                                        |            |            |               |              |                    |
| 18001          | Gojo AB Soap, M-Fold, Can Liners, Liquid Laundry Soap & TP | Open   |             | 05/17/2023                                             | 06/16/2023 | 05/25/2023 |               |              | 1,175.05           |
|                |                                                            |        | Vendor      | <b>2650 - Case Lots</b> Totals                         |            |            | Invoices      | 1            | \$1,175.05         |
| Vendor         | <b>5218 - Casey Automotive</b>                             |        |             |                                                        |            |            |               |              |                    |
| 30543970A      | Repairs & Maintenance - C-329                              | Open   |             | 04/21/2023                                             | 06/01/2023 | 05/16/2023 |               |              | 895.77             |
| 30544563       | Repairs & Maintenance - T-440                              | Open   |             | 05/11/2023                                             | 06/10/2023 | 05/25/2023 |               |              | 1,550.24           |
| 30544692       | Repairs & Maintenance - T-486                              | Open   |             | 05/16/2023                                             | 06/15/2023 | 05/25/2023 |               |              | 55.93              |
| 30544722       | Repairs & Maintenance - T-505                              | Open   |             | 05/16/2023                                             | 06/15/2023 | 05/25/2023 |               |              | 50.95              |
| 30544777       | Repairs & Maintenance - T-484                              | Open   |             | 05/18/2023                                             | 06/17/2023 | 05/25/2023 |               |              | 50.93              |
| 30544815       | Repairs & Maintenance - C-370                              | Open   |             | 05/19/2023                                             | 06/18/2023 | 05/25/2023 |               |              | 71.95              |
|                |                                                            |        | Vendor      | <b>5218 - Casey Automotive</b> Totals                  |            |            | Invoices      | 6            | \$2,675.77         |
| Vendor         | <b>1319 - Casey Equipment Company</b>                      |        |             |                                                        |            |            |               |              |                    |
| P08155         | Parts - E-220                                              | Open   |             | 05/05/2023                                             | 06/04/2023 | 05/25/2023 |               |              | 798.45             |
| P08179         | Parts - E-220                                              | Open   |             | 05/09/2023                                             | 06/08/2023 | 05/25/2023 |               |              | 131.65             |
|                |                                                            |        | Vendor      | <b>1319 - Casey Equipment Company</b> Totals           |            |            | Invoices      | 2            | \$930.10           |
| Vendor         | <b>1576 - CC Cartage Excavating</b>                        |        |             |                                                        |            |            |               |              |                    |
| 9742           | Lowboy Move-Palatine to Roland Machinery                   | Open   |             | 05/08/2023                                             | 06/07/2023 | 05/23/2023 |               |              | 595.00             |
|                |                                                            |        | Vendor      | <b>1576 - CC Cartage Excavating</b> Totals             |            |            | Invoices      | 1            | \$595.00           |
| Vendor         | <b>2732 - CDW Government Inc</b>                           |        |             |                                                        |            |            |               |              |                    |
| JF17344        | Adobe Subscription                                         | Open   |             | 04/23/2023                                             | 05/23/2023 | 05/24/2023 |               |              | 995.22             |
|                |                                                            |        | Vendor      | <b>2732 - CDW Government Inc</b> Totals                |            |            | Invoices      | 1            | \$995.22           |
| Vendor         | <b>2555 - Chicago Parts &amp; Sound</b>                    |        |             |                                                        |            |            |               |              |                    |
| 1-0353529      | Parts - T-447                                              | Open   |             | 05/08/2023                                             | 06/14/2023 | 05/25/2023 |               |              | 29.09              |
| 1-0353903      | Parts - T-447                                              | Open   |             | 05/09/2023                                             | 06/14/2023 | 05/25/2023 |               |              | 55.00              |

Attachment: Warrant #11 (Warrant 2023 # 11)





Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                             | Invoice Description                                            | Status | Held Reason                                | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|--------------------------------------------|----------------------------------------------------------------|--------|--------------------------------------------|--------------|------------|------------|---------------|--------------|--------------------|
| 1-0355056                                  | Parts - T-409                                                  | Open   |                                            | 05/15/2023   | 06/14/2023 | 05/25/2023 |               |              | 57.37              |
| 1CR0061767                                 | Credit Memo                                                    | Open   |                                            | 05/15/2023   | 06/14/2023 | 05/25/2023 |               |              | (29.09)            |
| 1CR0061879                                 | Credit Memo                                                    | Open   |                                            | 05/17/2023   | 06/14/2023 | 05/25/2023 |               |              | (50.00)            |
|                                            |                                                                |        | Vendor 2555 - Chicago Parts & Sound        | Totals       |            | Invoices   | 5             |              | \$62.37            |
| Vendor 3050 - Cintas #22                   |                                                                |        |                                            |              |            |            |               |              |                    |
| 4154788637                                 | Village Hall Carpets                                           | Open   |                                            | 05/08/2023   | 06/07/2023 | 05/16/2023 |               |              | 159.34             |
| 4155395061                                 | Shop Rags                                                      | Open   |                                            | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 10.95              |
| 4155395184                                 | Uniform Cleaning                                               | Open   |                                            | 05/12/2023   | 06/11/2023 | 05/16/2023 |               |              | 139.99             |
| 4156049457                                 | CSF Carpets                                                    | Open   |                                            | 05/19/2023   | 06/18/2023 | 05/31/2023 |               |              | 109.58             |
| 4156049503                                 | Shop Rags                                                      | Open   |                                            | 05/19/2023   | 06/18/2023 | 05/31/2023 |               |              | 10.95              |
| 4156049561                                 | Uniform Cleaning                                               | Open   |                                            | 05/19/2023   | 06/18/2023 | 05/31/2023 |               |              | 134.67             |
|                                            |                                                                |        | Vendor 3050 - Cintas #22                   | Totals       |            | Invoices   | 6             |              | \$565.48           |
| Vendor 1874 - Civiltech Engineering, Inc.  |                                                                |        |                                            |              |            |            |               |              |                    |
| 52459                                      | 2023/2024 NBIS Bridge Inspections                              | Open   |                                            | 04/13/2023   | 05/26/2023 | 05/12/2023 |               |              | 747.60             |
|                                            |                                                                |        | Vendor 1874 - Civiltech Engineering, Inc.  | Totals       |            | Invoices   | 1             |              | \$747.60           |
| Vendor 1488 - CNS Tire Supply              |                                                                |        |                                            |              |            |            |               |              |                    |
| 26781                                      | Parts - PT-210                                                 | Open   |                                            | 05/09/2023   | 06/08/2023 | 05/31/2023 |               |              | 156.50             |
|                                            |                                                                |        | Vendor 1488 - CNS Tire Supply              | Totals       |            | Invoices   | 1             |              | \$156.50           |
| Vendor 2383 - Colfax Welding & Fabricating |                                                                |        |                                            |              |            |            |               |              |                    |
| 63576                                      | Parts - Stock                                                  | Open   |                                            | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 54.49              |
|                                            |                                                                |        | Vendor 2383 - Colfax Welding & Fabricating | Totals       |            | Invoices   | 1             |              | \$54.49            |
| Vendor 3033 - Comcast Cable                |                                                                |        |                                            |              |            |            |               |              |                    |
| CC 04-23 C                                 | Backup Internet Connections                                    | Open   |                                            | 04/25/2023   | 05/23/2023 | 05/02/2023 |               |              | 59.70              |
|                                            |                                                                |        | Vendor 3033 - Comcast Cable                | Totals       |            | Invoices   | 1             |              | \$59.70            |
| Vendor 2980 - Commonwealth Edison          |                                                                |        |                                            |              |            |            |               |              |                    |
| 8648014008 4/23                            | Electricity -135 W. Michigan Ave Heat Meter                    | Open   |                                            | 04/18/2023   | 06/19/2023 | 05/10/2023 |               |              | 551.56             |
|                                            |                                                                |        | Vendor 2980 - Commonwealth Edison          | Totals       |            | Invoices   | 1             |              | \$551.56           |
| Vendor 3810 - Conrad Polygraph Inc         |                                                                |        |                                            |              |            |            |               |              |                    |
| 5565                                       | 2023 Services Other (Conrad Polygraph) FD 2 new hires (KO, LA) | Open   |                                            | 04/28/2023   | 05/02/2023 | 05/02/2023 |               |              | 360.00             |
|                                            |                                                                |        | Vendor 3810 - Conrad Polygraph Inc         | Totals       |            | Invoices   | 1             |              | \$360.00           |
| Vendor 4767 - Raul Contreras               |                                                                |        |                                            |              |            |            |               |              |                    |
| 2023-00000436                              | 2023 IPWDA Membership Renewal                                  | Open   |                                            | 05/30/2023   | 06/05/2023 | 05/19/2023 |               |              | 60.00              |



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number | Invoice Description                                              | Status | Held Reason | Invoice Date                                                            | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------|------------------------------------------------------------------|--------|-------------|-------------------------------------------------------------------------|------------|------------|---------------|--------------|--------------------|
|                |                                                                  |        | Vendor      | <b>4767 - Raul Contreras</b> Totals                                     |            | Invoices   |               | 1            | \$60.00            |
| Vendor         | <b>3091 - Cook County Treasurer Electrical &amp; Maintenance</b> |        |             |                                                                         |            |            |               |              |                    |
| 2023-1         | Traffic Signal Maintenance-<br>1/1/2023-3/31/2023                | Open   |             | 04/03/2023                                                              | 05/26/2023 | 05/25/2023 |               |              | 1,810.02           |
|                |                                                                  |        | Vendor      | <b>3091 - Cook County Treasurer Electrical &amp; Maintenance</b> Totals |            | Invoices   |               | 1            | \$1,810.02         |
| Vendor         | <b>5310 - Custom Products Corporation</b>                        |        |             |                                                                         |            |            |               |              |                    |
| 390545         | Surface Mount Tblr Mkr                                           | Open   |             | 05/01/2023                                                              | 05/31/2023 | 05/30/2023 |               |              | 138.74             |
|                |                                                                  |        | Vendor      | <b>5310 - Custom Products Corporation</b> Totals                        |            | Invoices   |               | 1            | \$138.74           |
| Vendor         | <b>1929 - Delta Sonic Car Wash Systems</b>                       |        |             |                                                                         |            |            |               |              |                    |
| INV0004939     | Car wash                                                         | Open   |             | 04/10/2023                                                              | 05/10/2023 | 05/16/2023 |               |              | 134.99             |
| INV0004940     | Car wash                                                         | Open   |             | 04/13/2023                                                              | 05/13/2023 | 05/16/2023 |               |              | 135.00             |
|                |                                                                  |        | Vendor      | <b>1929 - Delta Sonic Car Wash Systems</b> Totals                       |            | Invoices   |               | 2            | \$269.99           |
| Vendor         | <b>2828 - Director Of Illinois State Police</b>                  |        |             |                                                                         |            |            |               |              |                    |
| 34716          | Declaration of Asset<br>Forfeiture (22-015940)                   | Open   |             | 05/12/2023                                                              | 06/05/2023 | 05/30/2023 |               |              | 924.00             |
|                |                                                                  |        | Vendor      | <b>2828 - Director Of Illinois State Police</b> Totals                  |            | Invoices   |               | 1            | \$924.00           |
| Vendor         | <b>2649 - DJ's Scuba Locker Inc</b>                              |        |             |                                                                         |            |            |               |              |                    |
| 62916          | Heiderman ERD                                                    | Open   |             | 04/27/2023                                                              | 05/26/2023 | 05/30/2023 |               |              | 1,367.50           |
|                |                                                                  |        | Vendor      | <b>2649 - DJ's Scuba Locker Inc</b> Totals                              |            | Invoices   |               | 1            | \$1,367.50         |
| Vendor         | <b>4781 - Document Imaging Services, LLC</b>                     |        |             |                                                                         |            |            |               |              |                    |
| 2802           | Plotter Toner                                                    | Open   |             | 05/01/2023                                                              | 05/31/2023 | 05/02/2023 |               |              | 95.00              |
|                |                                                                  |        | Vendor      | <b>4781 - Document Imaging Services, LLC</b> Totals                     |            | Invoices   |               | 1            | \$95.00            |
| Vendor         | <b>2438 - Federal Express</b>                                    |        |             |                                                                         |            |            |               |              |                    |
| 8-119-04384    | Shipping Charges                                                 | Open   |             | 05/03/2023                                                              | 06/02/2023 | 05/16/2023 |               |              | 10.36              |
|                |                                                                  |        | Vendor      | <b>2438 - Federal Express</b> Totals                                    |            | Invoices   |               | 1            | \$10.36            |
| Vendor         | <b>5073 - FulLife Safety LLC</b>                                 |        |             |                                                                         |            |            |               |              |                    |
| 68387          | Operating Supplies -<br>Clothing                                 | Open   |             | 05/10/2023                                                              | 06/09/2023 | 05/24/2023 |               |              | 221.49             |
| 68384          | Parts - Stock                                                    | Open   |             | 05/10/2023                                                              | 06/09/2023 | 05/31/2023 |               |              | 246.00             |
|                |                                                                  |        | Vendor      | <b>5073 - FulLife Safety LLC</b> Totals                                 |            | Invoices   |               | 2            | \$467.49           |
| Vendor         | <b>1667 - Gilio Landscape Contractors</b>                        |        |             |                                                                         |            |            |               |              |                    |
| 9379           | 1550 W Northwest Hwy -<br>5/10/23                                | Open   |             | 05/13/2023                                                              | 06/12/2023 | 05/30/2023 |               |              | 72.50              |
| 9380           | 1101 E Dundee Rd - 5/10/23                                       | Open   |             | 05/13/2023                                                              | 06/12/2023 | 05/30/2023 |               |              | 72.50              |
| 9381           | 630 E Northwest Hwy PIN<br>02-23-215-012-0000 -<br>5/16/23       | Open   |             | 05/19/2023                                                              | 06/18/2023 | 05/30/2023 |               |              | 72.50              |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                       | Invoice Description                                        | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|------------------------------------------------------|------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| 9382                                                 | 630 E Northwest Hwy PIN<br>02-23-215-013-0000 -<br>5/16/23 | Open   |             | 05/19/2023   | 06/18/2023 | 05/30/2023 |               |              | 72.50              |
| 9388                                                 | 410 N Northwest Hwy -<br>5/16/23                           | Open   |             | 05/20/2023   | 06/19/2023 | 05/30/2023 |               |              | 72.50              |
| Vendor 1667 - Gilio Landscape Contractors Totals     |                                                            |        |             |              |            | Invoices   | 5             |              | \$362.50           |
| Vendor 1233 - Golf Rose Boarding Kennel              |                                                            |        |             |              |            |            |               |              |                    |
| 2023-00000435                                        | Monthly Stray Billing<br>(November 2022)                   | Open   |             | 05/01/2023   | 06/05/2023 | 05/19/2023 |               |              | 1,196.00           |
| Vendor 1233 - Golf Rose Boarding Kennel Totals       |                                                            |        |             |              |            | Invoices   | 1             |              | \$1,196.00         |
| Vendor 5145 - Granite Telecommunications, LLC        |                                                            |        |             |              |            |            |               |              |                    |
| 595615831                                            | POT Lines                                                  | Open   |             | 04/01/2023   | 05/01/2023 | 05/02/2023 |               |              | 4,160.53           |
| Vendor 5145 - Granite Telecommunications, LLC Totals |                                                            |        |             |              |            | Invoices   | 1             |              | \$4,160.53         |
| Vendor 1173 - Graybar Electric Company, Inc.         |                                                            |        |             |              |            |            |               |              |                    |
| 9331968087                                           | Credit Memo                                                | Open   |             | 05/03/2023   | 06/02/2023 | 05/25/2023 |               |              | (102.27)           |
| 9332056359                                           | LED-8024M345-G7-FW                                         | Open   |             | 05/09/2023   | 06/08/2023 | 05/25/2023 |               |              | 844.91             |
| 9331954673                                           | 3 Phase Power Monitor -<br>Heron Pump Station              | Open   |             | 05/02/2023   | 06/01/2023 | 05/24/2023 |               |              | 391.61             |
| Vendor 1173 - Graybar Electric Company, Inc. Totals  |                                                            |        |             |              |            | Invoices   | 3             |              | \$1,134.25         |
| Vendor 1638 - H & H Electric Co.                     |                                                            |        |             |              |            |            |               |              |                    |
| 41514                                                | Ground Fault Locator Repair-<br>707 Easton Ct              | Open   |             | 04/30/2023   | 05/30/2023 | 05/31/2023 |               |              | 868.20             |
| Vendor 1638 - H & H Electric Co. Totals              |                                                            |        |             |              |            | Invoices   | 1             |              | \$868.20           |
| Vendor 2107 - Hall Signs Inc                         |                                                            |        |             |              |            |            |               |              |                    |
| 54219                                                | Stop Sign and All Way Sign<br>Faces                        | Open   |             | 02/09/2023   | 05/30/2023 | 05/30/2023 |               |              | 2,009.97           |
| Vendor 2107 - Hall Signs Inc Totals                  |                                                            |        |             |              |            | Invoices   | 1             |              | \$2,009.97         |
| Vendor 1916 - Harvard Maintenance Inc                |                                                            |        |             |              |            |            |               |              |                    |
| 1528391                                              | Village Hall Janitorial<br>Service-May 2023                | Open   |             | 05/01/2023   | 05/31/2023 | 05/25/2023 |               |              | 3,422.88           |
| 1528465                                              | Train Station Janitorial<br>Service-May 2023               | Open   |             | 05/01/2023   | 05/31/2023 | 05/25/2023 |               |              | 7,883.98           |
| Vendor 1916 - Harvard Maintenance Inc Totals         |                                                            |        |             |              |            | Invoices   | 2             |              | \$11,306.86        |
| Vendor 1775 - HBK Water Meter Service, Inc.          |                                                            |        |             |              |            |            |               |              |                    |
| 230298                                               | 1 1/4"x1" Adapt Rings; 1x1<br>1/4" Gasket Rubber 1/8"      | Open   |             | 05/10/2023   | 06/09/2023 | 05/24/2023 |               |              | 76.90              |
| Vendor 1775 - HBK Water Meter Service, Inc. Totals   |                                                            |        |             |              |            | Invoices   | 1             |              | \$76.90            |
| Vendor 5163 - Healy Asphalt Company LLC              |                                                            |        |             |              |            |            |               |              |                    |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                      | Invoice Description                                     | Status | Held Reason                                         | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|-----------------------------------------------------|---------------------------------------------------------|--------|-----------------------------------------------------|--------------|------------|------------|---------------|--------------|--------------------|
| 35532                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/05/2023   | 06/04/2023 | 05/23/2023 |               |              | 197.12             |
| 35557                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/09/2023   | 06/08/2023 | 05/23/2023 |               |              | 21,010.56          |
| 35585                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/10/2023   | 06/09/2023 | 05/23/2023 |               |              | 20,332.80          |
| 35613                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/11/2023   | 06/10/2023 | 05/23/2023 |               |              | 24,848.64          |
| 35635                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/12/2023   | 06/11/2023 | 05/23/2023 |               |              | 199.04             |
| 35662                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/15/2023   | 06/14/2023 | 05/23/2023 |               |              | 25,449.60          |
| 35692                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/16/2023   | 06/15/2023 | 05/23/2023 |               |              | 25,863.68          |
| 35720                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/17/2023   | 06/16/2023 | 05/23/2023 |               |              | 15,879.68          |
| 35749                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/18/2023   | 06/17/2023 | 05/23/2023 |               |              | 22,416.64          |
| 35766                                               | Binder and Surface for Hot Paving                       | Open   |                                                     | 05/19/2023   | 06/18/2023 | 05/30/2023 |               |              | 27,422.08          |
|                                                     |                                                         | Vendor | 5163 - Healy Asphalt Company LLC Totals             |              |            | Invoices   | 10            |              | \$183,619.84       |
| Vendor 2976 - Huffman Landscape                     |                                                         |        |                                                     |              |            |            |               |              |                    |
| HUFF5-17-23                                         | Replacement and 50/50 Parkway Tree Installations        | Open   |                                                     | 05/17/2023   | 06/16/2023 | 05/30/2023 |               |              | 2,800.00           |
|                                                     |                                                         | Vendor | 2976 - Huffman Landscape Totals                     |              |            | Invoices   | 1             |              | \$2,800.00         |
| Vendor 1604 - Illinois State Police                 |                                                         |        |                                                     |              |            |            |               |              |                    |
| 20230403601                                         | Fingerprinting for Employment - LGE Checks (3601) - Apr | Open   |                                                     | 04/30/2023   | 06/15/2023 | 05/19/2023 |               |              | 84.75              |
| 2023-00000426                                       | Background Check- Zable                                 | Open   |                                                     | 04/01/2023   | 05/01/2023 | 05/18/2023 |               |              | 28.25              |
| 20230404348                                         | April Background Checks                                 | Open   |                                                     | 05/16/2023   | 06/15/2023 | 05/18/2023 |               |              | 84.75              |
|                                                     |                                                         | Vendor | 1604 - Illinois State Police Totals                 |              |            | Invoices   | 3             |              | \$197.75           |
| Vendor 4951 - Interstate Batteries of North Chicago |                                                         |        |                                                     |              |            |            |               |              |                    |
| 11244389                                            | Parts - Stock                                           | Open   |                                                     | 05/02/2023   | 06/01/2023 | 05/31/2023 |               |              | 130.42             |
| 11244649                                            | Parts - Stock                                           | Open   |                                                     | 05/16/2023   | 06/15/2023 | 05/31/2023 |               |              | 778.14             |
| 864218                                              | Parts - G005                                            | Open   |                                                     | 05/18/2023   | 06/17/2023 | 05/31/2023 |               |              | 355.50             |
|                                                     |                                                         | Vendor | 4951 - Interstate Batteries of North Chicago Totals |              |            | Invoices   | 3             |              | \$1,264.06         |
| Vendor 4165 - J.M.L. Overhead Door Inc              |                                                         |        |                                                     |              |            |            |               |              |                    |
| 3307                                                | Facilities Ready Room Garage Door Repair                | Open   |                                                     | 04/21/2023   | 05/26/2023 | 05/25/2023 |               |              | 2,635.80           |
|                                                     |                                                         | Vendor | 4165 - J.M.L. Overhead Door Inc Totals              |              |            | Invoices   | 1             |              | \$2,635.80         |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                              | Invoice Description                                      | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|-------------------------------------------------------------|----------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>2992 - James Messineo</b>                         |                                                          |        |             |              |            |            |               |              |                    |
| 05/26/2023                                                  | May 2023 Law Judge                                       | Open   |             | 05/26/2023   | 06/05/2023 | 05/26/2023 |               |              | 2,175.00           |
| Vendor <b>2992 - James Messineo</b> Totals                  |                                                          |        |             |              |            |            | Invoices      | 1            | \$2,175.00         |
| Vendor <b>1537 - Jem Top Inc</b>                            |                                                          |        |             |              |            |            |               |              |                    |
| 65337                                                       | Pickup Truck Cap                                         | Open   |             | 05/01/2023   | 05/31/2023 | 05/11/2023 |               |              | 3,776.00           |
| Vendor <b>1537 - Jem Top Inc</b> Totals                     |                                                          |        |             |              |            |            | Invoices      | 1            | \$3,776.00         |
| Vendor <b>2695 - JG Uniforms Inc</b>                        |                                                          |        |             |              |            |            |               |              |                    |
| 114152                                                      | Misc Uniform/Vest Carriers/Equipment Items (Perez)       | Open   |             | 05/01/2023   | 05/31/2023 | 05/19/2023 |               |              | 212.50             |
| 114295                                                      | Misc Uniform/Vest Carriers/Equipment Items (Honor Guard) | Open   |             | 05/03/2023   | 06/02/2023 | 05/19/2023 |               |              | 582.75             |
| 114296                                                      | Misc Uniform/Vest Carriers/Equipment Items (Honor Guard) | Open   |             | 05/03/2023   | 06/02/2023 | 05/19/2023 |               |              | 582.75             |
| 114297                                                      | Misc Uniform/Vest Carriers/Equipment Items (Honor Guard) | Open   |             | 05/03/2023   | 06/02/2023 | 05/19/2023 |               |              | 755.60             |
| Vendor <b>2695 - JG Uniforms Inc</b> Totals                 |                                                          |        |             |              |            |            | Invoices      | 4            | \$2,133.60         |
| Vendor <b>3869 - John Nelson Architect Inc</b>              |                                                          |        |             |              |            |            |               |              |                    |
| JN5/30/23                                                   | Plan Review/Consultation Svcs 5/10/23 - 5/26/23          | Open   |             | 05/30/2023   | 05/30/2023 | 05/30/2023 |               |              | 2,280.00           |
| Vendor <b>3869 - John Nelson Architect Inc</b> Totals       |                                                          |        |             |              |            |            | Invoices      | 1            | \$2,280.00         |
| Vendor <b>1635 - Joseph D. Foreman &amp; Company</b>        |                                                          |        |             |              |            |            |               |              |                    |
| 37390                                                       | Op Nut 2" - TCIW Gate Valve; Various Gate Valves         | Open   |             | 04/27/2023   | 05/27/2023 | 05/24/2023 |               |              | 501.00             |
| 37393                                                       | 6" C900 DR18 G                                           | Open   |             | 05/02/2023   | 06/01/2023 | 05/24/2023 |               |              | 705.20             |
| Vendor <b>1635 - Joseph D. Foreman &amp; Company</b> Totals |                                                          |        |             |              |            |            | Invoices      | 2            | \$1,206.20         |
| Vendor <b>1129 - Journeys The Road Home</b>                 |                                                          |        |             |              |            |            |               |              |                    |
| 2023-00000423                                               | CDBG-CV Journeys                                         | Open   |             | 05/25/2023   | 05/25/2023 | 05/25/2023 |               |              | 17,897.54          |
| 2023-00000424                                               | CDBG-CV Journeys                                         | Open   |             | 05/25/2023   | 05/25/2023 | 05/25/2023 |               |              | 9,978.85           |
| Vendor <b>1129 - Journeys The Road Home</b> Totals          |                                                          |        |             |              |            |            | Invoices      | 2            | \$27,876.39        |
| Vendor <b>2075 - Kimball Midwest</b>                        |                                                          |        |             |              |            |            |               |              |                    |
| 101028432                                                   | Parts - Stock                                            | Open   |             | 05/08/2023   | 06/07/2023 | 05/16/2023 |               |              | 187.92             |
| Vendor <b>2075 - Kimball Midwest</b> Totals                 |                                                          |        |             |              |            |            | Invoices      | 1            | \$187.92           |
| Vendor <b>5196 - Knapheide Equipment Co - Chicago</b>       |                                                          |        |             |              |            |            |               |              |                    |
| CIJ6117                                                     | New Platform Installation T-419                          | Open   |             | 05/01/2023   | 05/31/2023 | 05/16/2023 |               |              | 7,290.00           |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                                       | Invoice Description                                             | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------------------------------------------------------------|-----------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>5196 - Knapheide Equipment Co - Chicago</b> Totals         |                                                                 |        |             | Invoices     |            |            | 1             |              | \$7,290.00         |
| Vendor <b>3357 - KONE Inc</b><br>871032376                           | Service Contract for Elevator Maintenance-5/1/23-7/30/23        | Open   |             | 05/01/2023   | 05/31/2023 | 05/25/2023 |               |              | 6,092.58           |
| Vendor <b>3357 - KONE Inc</b> Totals                                 |                                                                 |        |             | Invoices     |            |            | 1             |              | \$6,092.58         |
| Vendor <b>4857 - Joe Leone</b><br>j-17135                            | IPIA Training Course - J Leone                                  | Open   |             | 05/12/2023   | 05/30/2023 | 05/30/2023 |               |              | 125.00             |
| Vendor <b>4857 - Joe Leone</b> Totals                                |                                                                 |        |             | Invoices     |            |            | 1             |              | \$125.00           |
| Vendor <b>2366 - Mabas Div 1</b><br>1002                             | Annual Dues                                                     | Open   |             | 05/02/2023   | 06/01/2023 | 05/17/2023 |               |              | 5,000.00           |
| Vendor <b>2366 - Mabas Div 1</b> Totals                              |                                                                 |        |             | Invoices     |            |            | 1             |              | \$5,000.00         |
| Vendor <b>4798 - Mario Prosperi</b><br>2021                          | Palatine PT '21 Refund                                          | Open   |             | 05/26/2023   | 06/01/2023 | 05/26/2023 |               |              | 19,767.56          |
| Vendor <b>4798 - Mario Prosperi</b> Totals                           |                                                                 |        |             | Invoices     |            |            | 1             |              | \$19,767.56        |
| Vendor <b>5097 - Meritain Health Inc</b><br>2023-00000421            | Meritain Health - Reinvestment                                  | Open   |             | 05/23/2023   | 05/23/2023 | 05/23/2023 |               |              | 1,718.60           |
| Vendor <b>5097 - Meritain Health Inc</b> Totals                      |                                                                 |        |             | Invoices     |            |            | 1             |              | \$1,718.60         |
| Vendor <b>2737 - Mes Inc/Global</b><br>IN1854251                     | SCBA Parts                                                      | Open   |             | 04/30/2023   | 05/29/2023 | 05/30/2023 |               |              | 215.28             |
| Vendor <b>2737 - Mes Inc/Global</b> Totals                           |                                                                 |        |             | Invoices     |            |            | 1             |              | \$215.28           |
| Vendor <b>3994 - Metro Federal Credit Union</b><br>Date 05-24-2023   | 2023 Wellness Screening Incentive - Metro Gift Cards (May 2023) | Open   |             | 05/24/2023   | 05/30/2023 | 05/30/2023 |               |              | 26,268.00          |
| Vendor <b>3994 - Metro Federal Credit Union</b> Totals               |                                                                 |        |             | Invoices     |            |            | 1             |              | \$26,268.00        |
| Vendor <b>2421 - Mikes Towing/Auto &amp; Truck Repair</b><br>1071384 | Safety Lane - T-319                                             | Open   |             | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 36.00              |
| Vendor <b>2421 - Mikes Towing/Auto &amp; Truck Repair</b> Totals     |                                                                 |        |             | Invoices     |            |            | 1             |              | \$36.00            |
| Vendor <b>5199 - Motor Cycle Center Inc</b><br>67636                 | Spare Motorcycle Tires                                          | Open   |             | 05/16/2023   | 06/05/2023 | 05/19/2023 |               |              | 382.65             |
| Vendor <b>5199 - Motor Cycle Center Inc</b> Totals                   |                                                                 |        |             | Invoices     |            |            | 1             |              | \$382.65           |
| Vendor <b>3627 - Matthew J Mulvey</b><br>2023-00000347               | Tuition Reimbursement                                           | Open   |             | 05/03/2023   | 05/03/2023 | 05/03/2023 |               |              | 1,470.00           |
| Vendor <b>3627 - Matthew J Mulvey</b> Totals                         |                                                                 |        |             | Invoices     |            |            | 1             |              | \$1,470.00         |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                              | Invoice Description                                              | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|---------------------------------------------|------------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>5099 - NAPA Auto Parts</b>        |                                                                  |        |             |              |            |            |               |              |                    |
| 397203                                      | Parts - STOCK                                                    | Open   |             | 05/05/2023   | 06/04/2023 | 05/30/2023 |               |              | 8.58               |
| 397252                                      | Parts - STOCK                                                    | Open   |             | 05/05/2023   | 06/04/2023 | 05/30/2023 |               |              | 75.96              |
| 397358                                      | Parts - PT-112                                                   | Open   |             | 05/08/2023   | 06/07/2023 | 05/30/2023 |               |              | 4.28               |
| 397444                                      | Parts - T-447                                                    | Open   |             | 05/09/2023   | 06/08/2023 | 05/30/2023 |               |              | 183.64             |
| 397538                                      | Parts - STOCK                                                    | Open   |             | 05/10/2023   | 06/09/2023 | 05/30/2023 |               |              | 53.55              |
| 397622                                      | Parts - T-409                                                    | Open   |             | 05/11/2023   | 06/10/2023 | 05/30/2023 |               |              | 32.40              |
| 397884                                      | Parts - G-011                                                    | Open   |             | 05/15/2023   | 06/14/2023 | 05/30/2023 |               |              | 9.13               |
| 398015                                      | Parts - PT-999                                                   | Open   |             | 05/16/2023   | 06/15/2023 | 05/30/2023 |               |              | 106.96             |
| Vendor <b>5099 - NAPA Auto Parts</b> Totals |                                                                  |        |             |              |            | Invoices   | 8             |              | \$474.50           |
| Vendor <b>2253 - Nature's Select</b>        |                                                                  |        |             |              |            |            |               |              |                    |
| 11519                                       | Food for K-9 "Hondo" (Contreras)                                 | Open   |             | 05/23/2023   | 06/12/2023 | 05/19/2023 |               |              | 74.78              |
| 11527                                       | Food for K-9 "Jax" (Wagner)                                      | Open   |             | 05/30/2023   | 06/19/2023 | 05/19/2023 |               |              | 70.36              |
| Vendor <b>2253 - Nature's Select</b> Totals |                                                                  |        |             |              |            | Invoices   | 2             |              | \$145.14           |
| Vendor <b>2616 - Nicor Gas</b>              |                                                                  |        |             |              |            |            |               |              |                    |
| 49923400003-4/23                            | Natural Gas-148 W. Illinois Ave Combined Service Facility        | Open   |             | 04/19/2023   | 06/06/2023 | 05/10/2023 |               |              | 1,950.09           |
| 93126652572-4/23                            | Natural Gas-150 W. Wilson Street Clu Building                    | Open   |             | 04/19/2023   | 06/06/2023 | 05/10/2023 |               |              | 553.61             |
| 37917400006-4-23                            | Natural Gas-914 W. Lukas Avenue Square D Lift Station            | Open   |             | 04/20/2023   | 06/06/2023 | 05/10/2023 |               |              | 53.12              |
| 55424779829-4/23                            | Natural Gas-1545-47 Shires Court Lift Station                    | Open   |             | 04/21/2023   | 06/06/2023 | 05/10/2023 |               |              | 52.62              |
| 46007255576-4/23                            | Natural Gas-804 W. Panorama Drive Deer Grove Lift Station        | Open   |             | 04/26/2023   | 06/13/2023 | 05/10/2023 |               |              | 55.86              |
| 70018165616-4/23                            | Natural Gas-432 W. Haleys Hill Court Dunhaven Woods Lift Station | Open   |             | 04/26/2023   | 06/13/2023 | 05/10/2023 |               |              | 55.30              |
| 83980510966-4/23                            | Natural Gas-550 N. Smith Street Well 7 Generator                 | Open   |             | 04/26/2023   | 06/13/2023 | 05/10/2023 |               |              | 50.55              |
| 19505219626-4/23                            | Natural Gas-251 W. Colfax Street Parking Deck                    | Open   |             | 04/27/2023   | 06/13/2023 | 05/10/2023 |               |              | 165.42             |
| 25623386239-4/23                            | Natural Gas-1484 N. Oak Street Pepper Tree Lift Station          | Open   |             | 04/27/2023   | 06/13/2023 | 05/10/2023 |               |              | 55.13              |
| 66457600006-4/23                            | Natural Gas-555 E. Dundee Road Hicks and Dundee Pump Station     | Open   |             | 04/27/2023   | 06/13/2023 | 05/10/2023 |               |              | 182.06             |
| 68017400000-4/23                            | Natural Gas-137 W. Wood Street Train Station                     | Open   |             | 04/27/2023   | 06/13/2023 | 05/10/2023 |               |              | 285.14             |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number   | Invoice Description                                        | Status | Held Reason | Invoice Date                                           | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|------------------|------------------------------------------------------------|--------|-------------|--------------------------------------------------------|------------|------------|---------------|--------------|--------------------|
| 88271305703-4/23 | Natural Gas-1465 E. Evergreen Drive Randville Lift Station | Open   |             | 04/28/2023                                             | 06/13/2023 | 05/10/2023 |               |              | 164.78             |
| 36756460568-4/23 | Natural Gas-884 E. Lilly Lane Rose and Lilly Lift Station  | Open   |             | 05/01/2023                                             | 06/16/2023 | 05/10/2023 |               |              | 170.97             |
| 88097600006-4/23 | Natural Gas-2175 N. coach Road Long Grove Pump Station     | Open   |             | 05/01/2023                                             | 06/16/2023 | 05/10/2023 |               |              | 195.49             |
|                  |                                                            |        | Vendor      | <b>2616 - Nicor Gas</b> Totals                         |            | Invoices   | 14            |              | \$3,990.14         |
| Vendor           | <b>2432 - Northern Ill Police Alarm System</b>             |        |             |                                                        |            |            |               |              |                    |
| 15056            | NIPAS Annual Meeting & Awards Luncheon x6                  | Open   |             | 05/20/2023                                             | 06/19/2023 | 05/19/2023 |               |              | 210.00             |
|                  |                                                            |        | Vendor      | <b>2432 - Northern Ill Police Alarm System</b> Totals  |            | Invoices   | 1             |              | \$210.00           |
| Vendor           | <b>1413 - Northwest Central Dispatch Syst</b>              |        |             |                                                        |            |            |               |              |                    |
| 9421             | Monthly Member Assessment for PD & FD (June)               | Open   |             | 05/01/2023                                             | 05/31/2023 | 05/19/2023 |               |              | 40,991.81          |
|                  |                                                            |        | Vendor      | <b>1413 - Northwest Central Dispatch Syst</b> Totals   |            | Invoices   | 1             |              | \$40,991.81        |
| Vendor           | <b>2224 - Northwest Community Hospital-EMS</b>             |        |             |                                                        |            |            |               |              |                    |
| 2023-00000442    | Annual Fee- SOPs                                           | Open   |             | 05/06/2023                                             | 06/05/2023 | 05/30/2023 |               |              | 208.00             |
| 2023-00000391    | In-Station & CE Fees                                       | Open   |             | 05/09/2023                                             | 06/08/2023 | 05/10/2023 |               |              | 1,965.00           |
| 2023-00000396    | System Entry- Zable                                        | Open   |             | 05/16/2023                                             | 06/15/2023 | 05/11/2023 |               |              | 75.00              |
|                  |                                                            |        | Vendor      | <b>2224 - Northwest Community Hospital-EMS</b> Totals  |            | Invoices   | 3             |              | \$2,248.00         |
| Vendor           | <b>1480 - Northwest Trucks, Inc.</b>                       |        |             |                                                        |            |            |               |              |                    |
| R101007600:01    | Repairs-T-454                                              | Open   |             | 05/05/2023                                             | 06/04/2023 | 05/25/2023 |               |              | 8,425.46           |
|                  |                                                            |        | Vendor      | <b>1480 - Northwest Trucks, Inc.</b> Totals            |            | Invoices   | 1             |              | \$8,425.46         |
| Vendor           | <b>5203 - ODP Business Solutions, LLC</b>                  |        |             |                                                        |            |            |               |              |                    |
| 26291111         | Shared Office Supplies                                     | Open   |             | 05/08/2023                                             | 06/08/2023 | 05/08/2023 |               |              | 208.47             |
| 26291159         | Misc Office Supplies & Dry Erase Board for Investigations  | Open   |             | 04/30/2023                                             | 05/30/2023 | 05/19/2023 |               |              | 588.07             |
| 26291144         | Office Supplies                                            | Open   |             | 04/30/2023                                             | 05/30/2023 | 05/16/2023 |               |              | 61.59              |
|                  |                                                            |        | Vendor      | <b>5203 - ODP Business Solutions, LLC</b> Totals       |            | Invoices   | 3             |              | \$858.13           |
| Vendor           | <b>2572 - Paddock Publications, Inc</b>                    |        |             |                                                        |            |            |               |              |                    |
| 251650           | Legal Notices -4599519                                     | Open   |             | 05/15/2023                                             | 06/15/2023 | 05/22/2023 |               |              | 55.35              |
|                  |                                                            |        | Vendor      | <b>2572 - Paddock Publications, Inc</b> Totals         |            | Invoices   | 1             |              | \$55.35            |
| Vendor           | <b>5301 - Paul Reilly Company Illinois, Inc</b>            |        |             |                                                        |            |            |               |              |                    |
| 110464           | Village Hall Dock Lift Repair Diagnostic Fee               | Open   |             | 04/28/2023                                             | 05/27/2023 | 05/25/2023 |               |              | 497.50             |
|                  |                                                            |        | Vendor      | <b>5301 - Paul Reilly Company Illinois, Inc</b> Totals |            | Invoices   | 1             |              | \$497.50           |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                     | Invoice Description                                          | Status | Held Reason                                               | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------------------------------------------|--------------------------------------------------------------|--------|-----------------------------------------------------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>4703 - Peralte-Clark Llc</b>             |                                                              |        |                                                           |              |            |            |               |              |                    |
| 1                                                  | Smith and Colfax Drainage Improvements Feasibility Study     | Open   |                                                           | 05/15/2023   | 06/14/2023 | 05/12/2023 |               |              | 9,592.71           |
|                                                    |                                                              |        | Vendor <b>4703 - Peralte-Clark Llc</b> Totals             |              |            | Invoices   | 1             |              | \$9,592.71         |
| Vendor <b>1622 - Prime Tack &amp; Seal Co</b>      |                                                              |        |                                                           |              |            |            |               |              |                    |
| 75006                                              | Primer for Milling and Paving Program                        | Open   |                                                           | 05/10/2023   | 06/09/2023 | 05/19/2023 |               |              | 1,446.00           |
| 75047                                              | Primer for Milling and Paving Program                        | Open   |                                                           | 05/12/2023   | 06/11/2023 | 05/19/2023 |               |              | 2,048.50           |
| 75048                                              | Primer for Milling and Paving Program                        | Open   |                                                           | 05/12/2023   | 06/11/2023 | 05/19/2023 |               |              | 1,687.00           |
| 75126                                              | Primer for Milling and Paving Program                        | Open   |                                                           | 05/17/2023   | 06/16/2023 | 05/19/2023 |               |              | 1,446.00           |
| 75170                                              | Primer for Milling and Paving Program                        | Open   |                                                           | 05/19/2023   | 06/18/2023 | 05/19/2023 |               |              | 2,060.00           |
|                                                    |                                                              |        | Vendor <b>1622 - Prime Tack &amp; Seal Co</b> Totals      |              |            | Invoices   | 5             |              | \$8,687.50         |
| Vendor <b>4885 - Qubit Networks, LLC</b>           |                                                              |        |                                                           |              |            |            |               |              |                    |
| 12684                                              | Fabric Switch                                                | Open   |                                                           | 05/15/2023   | 05/15/2023 | 05/15/2023 |               |              | 2,715.40           |
|                                                    |                                                              |        | Vendor <b>4885 - Qubit Networks, LLC</b> Totals           |              |            | Invoices   | 1             |              | \$2,715.40         |
| Vendor <b>5269 - RoadSafe Traffic Systems, Inc</b> |                                                              |        |                                                           |              |            |            |               |              |                    |
| 172786                                             | Battery Charger for Tow Behind Arrow Board E-481             | Open   |                                                           | 04/30/2023   | 05/30/2023 | 05/30/2023 |               |              | 320.00             |
|                                                    |                                                              |        | Vendor <b>5269 - RoadSafe Traffic Systems, Inc</b> Totals |              |            | Invoices   | 1             |              | \$320.00           |
| Vendor <b>2200 - Roland Machinery Exchange</b>     |                                                              |        |                                                           |              |            |            |               |              |                    |
| 32206522                                           | Milling Machine Rental                                       | Open   |                                                           | 04/24/2023   | 05/23/2023 | 05/19/2023 |               |              | 29,500.00          |
|                                                    |                                                              |        | Vendor <b>2200 - Roland Machinery Exchange</b> Totals     |              |            | Invoices   | 1             |              | \$29,500.00        |
| Vendor <b>4408 - Rubino Engineering Inc</b>        |                                                              |        |                                                           |              |            |            |               |              |                    |
| 8137                                               | Pavement Coring Services for 56 W. Wilson Street Parking Lot | Open   |                                                           | 01/25/2023   | 05/26/2023 | 05/17/2023 |               |              | 1,950.00           |
|                                                    |                                                              |        | Vendor <b>4408 - Rubino Engineering Inc</b> Totals        |              |            | Invoices   | 1             |              | \$1,950.00         |
| Vendor <b>4019 - Rush Truck Centers</b>            |                                                              |        |                                                           |              |            |            |               |              |                    |
| 3032199662                                         | Parts - Stock                                                | Open   |                                                           | 04/20/2023   | 05/20/2023 | 05/31/2023 |               |              | 98.22              |
| 3032216713                                         | Credit Memo                                                  | Open   |                                                           | 04/20/2023   | 06/11/2023 | 05/31/2023 |               |              | (127.68)           |
| 3032476903                                         | Parts - Stock                                                | Open   |                                                           | 05/11/2023   | 06/11/2023 | 05/31/2023 |               |              | 188.60             |
|                                                    |                                                              |        | Vendor <b>4019 - Rush Truck Centers</b> Totals            |              |            | Invoices   | 3             |              | \$159.14           |
| Vendor <b>4168 - Doris K Sadik</b>                 |                                                              |        |                                                           |              |            |            |               |              |                    |
| #051023Clerk                                       | N & NW Clerk Meeting                                         | Open   |                                                           | 05/10/2023   | 06/05/2023 | 05/17/2023 |               |              | 92.63              |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                                  | Invoice Description                                 | Status | Held Reason                                                            | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|-----------------------------------------------------------------|-----------------------------------------------------|--------|------------------------------------------------------------------------|--------------|------------|------------|---------------|--------------|--------------------|
|                                                                 |                                                     |        | Vendor <b>4168 - Doris K Sadik</b> Totals                              |              |            |            | Invoices      | 1            | \$92.63            |
| Vendor <b>4087 - Service Components Inc.</b>                    |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 103590                                                          | Parts - Stock                                       | Open   |                                                                        | 01/31/2023   | 05/31/2023 | 06/01/2023 |               |              | 512.76             |
|                                                                 |                                                     |        | Vendor <b>4087 - Service Components Inc.</b> Totals                    |              |            |            | Invoices      | 1            | \$512.76           |
| Vendor <b>3989 - Sirchie Acquisition Company LLC</b>            |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 0590426-IN                                                      | Barrier Tape for CST Unit                           | Open   |                                                                        | 05/05/2023   | 06/04/2023 | 05/19/2023 |               |              | 93.76              |
| 0591386-IN                                                      | Disposable Sterile Tweezers - CST Unit              | Open   |                                                                        | 05/12/2023   | 06/11/2023 | 05/19/2023 |               |              | 34.65              |
|                                                                 |                                                     |        | Vendor <b>3989 - Sirchie Acquisition Company LLC</b> Totals            |              |            |            | Invoices      | 2            | \$128.41           |
| Vendor <b>1689 - Smith Ecological Systems Inc</b>               |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 24255                                                           | South Supply Chlorination System                    | Open   |                                                                        | 04/21/2023   | 05/26/2023 | 05/22/2023 |               |              | 7,608.86           |
| 24295                                                           | North Supply Chlorination System                    | Open   |                                                                        | 05/16/2023   | 06/15/2023 | 05/22/2023 |               |              | 12,808.00          |
|                                                                 |                                                     |        | Vendor <b>1689 - Smith Ecological Systems Inc</b> Totals               |              |            |            | Invoices      | 2            | \$20,416.86        |
| Vendor <b>4308 - Solid Waste Agency of Northern Cook County</b> |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 7281                                                            | Refuse Service - June                               | Open   |                                                                        | 05/01/2023   | 05/24/2023 | 05/22/2023 |               |              | 114,938.00         |
|                                                                 |                                                     |        | Vendor <b>4308 - Solid Waste Agency of Northern Cook County</b> Totals |              |            |            | Invoices      | 1            | \$114,938.00       |
| Vendor <b>1804 - Staples</b>                                    |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 8070202579                                                      | Office Supplies                                     | Open   |                                                                        | 05/06/2023   | 06/05/2023 | 05/11/2023 |               |              | 44.98              |
| 8070276426                                                      | Office Supplies                                     | Open   |                                                                        | 05/13/2023   | 06/12/2023 | 05/18/2023 |               |              | 73.57              |
|                                                                 |                                                     |        | Vendor <b>1804 - Staples</b> Totals                                    |              |            |            | Invoices      | 2            | \$118.55           |
| Vendor <b>2564 - State Treasurer-IL Dept of Transportation</b>  |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 63477                                                           | Quarterly Traffic Signal Maintenance-1/1/23-3/31/23 | Open   |                                                                        | 05/02/2023   | 06/01/2023 | 05/25/2023 |               |              | 13,764.84          |
|                                                                 |                                                     |        | Vendor <b>2564 - State Treasurer-IL Dept of Transportation</b> Totals  |              |            |            | Invoices      | 1            | \$13,764.84        |
| Vendor <b>1776 - Suburban Accents, Inc.</b>                     |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 33351                                                           | Reflective Flags                                    | Open   |                                                                        | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 80.00              |
|                                                                 |                                                     |        | Vendor <b>1776 - Suburban Accents, Inc.</b> Totals                     |              |            |            | Invoices      | 1            | \$80.00            |
| Vendor <b>2111 - Terminal Supply Co</b>                         |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 41884-00                                                        | Parts - Stock                                       | Open   |                                                                        | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 330.14             |
|                                                                 |                                                     |        | Vendor <b>2111 - Terminal Supply Co</b> Totals                         |              |            |            | Invoices      | 1            | \$330.14           |
| Vendor <b>2545 - Terrace Supply Co</b>                          |                                                     |        |                                                                        |              |            |            |               |              |                    |
| 0071009792                                                      | Terrace Supply Tank Lease                           | Open   |                                                                        | 04/28/2023   | 05/28/2023 | 05/16/2023 |               |              | 1,000.00           |
|                                                                 |                                                     |        | Vendor <b>2545 - Terrace Supply Co</b> Totals                          |              |            |            | Invoices      | 1            | \$1,000.00         |
| Vendor <b>5272 - The Lakota Group, Inc</b>                      |                                                     |        |                                                                        |              |            |            |               |              |                    |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                                          | Invoice Description                            | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|-------------------------------------------------------------------------|------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| 23002-03                                                                | Billing Period 4/1/23 - 4/30/23                | Open   |             | 05/12/2023   | 06/11/2023 | 05/30/2023 |               |              | 3,420.00           |
| Vendor 5272 - The Lakota Group, Inc Totals                              |                                                |        |             |              |            |            |               |              | \$3,420.00         |
| Vendor 3190 - Thomas Dodge Chrysler-Jeep                                |                                                |        |             |              |            |            |               |              |                    |
| F45679                                                                  | (1) 2023 Dodge Ram 2500 - T-525                | Open   |             | 05/01/2023   | 05/31/2023 | 05/31/2023 |               |              | 43,902.00          |
| F45737                                                                  | (1) 2023 Dodge Ram 3500 - T-527                | Open   |             | 05/01/2023   | 05/31/2023 | 05/31/2023 |               |              | 47,821.00          |
| F45739                                                                  | (1) 2023 Dodge Ram 3500 - T-528                | Open   |             | 05/01/2023   | 05/31/2023 | 05/31/2023 |               |              | 47,821.00          |
| Vendor 3190 - Thomas Dodge Chrysler-Jeep Totals                         |                                                |        |             |              |            |            |               |              | \$139,544.00       |
| Vendor 1199 - Thompson Elevator Inspection Service Inc                  |                                                |        |             |              |            |            |               |              |                    |
| 23-1199                                                                 | 1 elevator plan review - 60 N Bothwell St      | Open   |             | 05/09/2023   | 06/08/2023 | 05/09/2023 |               |              | 75.00              |
| 23-1211                                                                 | 5 elevator code inspections                    | Open   |             | 05/10/2023   | 06/09/2023 | 05/30/2023 |               |              | 190.00             |
| Vendor 1199 - Thompson Elevator Inspection Service Inc Totals           |                                                |        |             |              |            |            |               |              | \$265.00           |
| Vendor 4553 - Total Parking Solutions Inc                               |                                                |        |             |              |            |            |               |              |                    |
| 106262                                                                  | Service Call-Replaced Coin Acceptor            | Open   |             | 05/08/2023   | 06/07/2023 | 05/25/2023 |               |              | 718.00             |
| Vendor 4553 - Total Parking Solutions Inc Totals                        |                                                |        |             |              |            |            |               |              | \$718.00           |
| Vendor 3787 - Township High School District 211                         |                                                |        |             |              |            |            |               |              |                    |
| 05112023                                                                | Motor Fuel                                     | Open   |             | 05/11/2023   | 06/10/2023 | 05/16/2023 |               |              | 139.47             |
| Vendor 3787 - Township High School District 211 Totals                  |                                                |        |             |              |            |            |               |              | \$139.47           |
| Vendor 1700 - Traffic Control & Protection,Inc                          |                                                |        |             |              |            |            |               |              |                    |
| 372317                                                                  | Water Main Break Road Closure Equipment Rental | Open   |             | 04/26/2023   | 05/26/2023 | 05/24/2023 |               |              | 1,970.00           |
| Vendor 1700 - Traffic Control & Protection,Inc Totals                   |                                                |        |             |              |            |            |               |              | \$1,970.00         |
| Vendor 3692 - Trane US Inc                                              |                                                |        |             |              |            |            |               |              |                    |
| 313599511                                                               | Police HQ HVAC Adjustment                      | Open   |             | 05/12/2023   | 06/11/2023 | 05/25/2023 |               |              | 598.00             |
| Vendor 3692 - Trane US Inc Totals                                       |                                                |        |             |              |            |            |               |              | \$598.00           |
| Vendor 4058 - TransUnion Risk and Alternative Data Solutions Inc        |                                                |        |             |              |            |            |               |              |                    |
| 71751-APR-23                                                            | Online Investigative Search Engine (Apr)       | Open   |             | 05/01/2023   | 06/15/2023 | 05/19/2023 |               |              | 276.40             |
| Vendor 4058 - TransUnion Risk and Alternative Data Solutions Inc Totals |                                                |        |             |              |            |            |               |              | \$276.40           |
| Vendor 3364 - Trittech Forensics                                        |                                                |        |             |              |            |            |               |              |                    |
| 00877896                                                                | Supplies for Evidence Tech/CST Unit            | Open   |             | 05/11/2023   | 06/09/2023 | 05/19/2023 |               |              | 331.65             |
| Vendor 3364 - Trittech Forensics Totals                                 |                                                |        |             |              |            |            |               |              | \$331.65           |

Attachment: Warrant #11 (Warrant 2023 # 11)



# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                      | Invoice Description                                              | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|-----------------------------------------------------|------------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor <b>4456 - UEMSI/HTV Inc</b>                  |                                                                  |        |             |              |            |            |               |              |                    |
| 2105135-IN                                          | Sewer Jetting Leader Hose                                        | Open   |             | 04/25/2023   | 05/25/2023 | 05/24/2023 |               |              | 156.74             |
| Vendor <b>4456 - UEMSI/HTV Inc</b> Totals           |                                                                  |        |             |              |            |            | Invoices      | 1            | \$156.74           |
| Vendor <b>4196 - UL LLC</b>                         |                                                                  |        |             |              |            |            |               |              |                    |
| 72020520337                                         | Fire Engine Pump & Generator Testing                             | Open   |             | 05/09/2023   | 06/08/2023 | 05/17/2023 |               |              | 3,520.00           |
| 72020520341                                         | Fire Engine Aerial Inspections                                   | Open   |             | 05/09/2023   | 06/08/2023 | 05/09/2023 |               |              | 2,720.00           |
| Vendor <b>4196 - UL LLC</b> Totals                  |                                                                  |        |             |              |            |            | Invoices      | 2            | \$6,240.00         |
| Vendor <b>3157 - UniFirst Corporation</b>           |                                                                  |        |             |              |            |            |               |              |                    |
| 1190000389                                          | Shop Rags                                                        | Open   |             | 01/23/2023   | 05/26/2023 | 05/16/2023 |               |              | 60.11              |
| Vendor <b>3157 - UniFirst Corporation</b> Totals    |                                                                  |        |             |              |            |            | Invoices      | 1            | \$60.11            |
| Vendor <b>2501 - United Parcel Service</b>          |                                                                  |        |             |              |            |            |               |              |                    |
| 00004E3E18183                                       | Shipping Charges                                                 | Open   |             | 05/06/2023   | 06/05/2023 | 05/16/2023 |               |              | 17.97              |
| 00004E3E18193                                       | Shipping Charges                                                 | Open   |             | 05/13/2023   | 06/12/2023 | 05/31/2023 |               |              | 40.92              |
| Vendor <b>2501 - United Parcel Service</b> Totals   |                                                                  |        |             |              |            |            | Invoices      | 2            | \$58.89            |
| Vendor <b>3156 - Utility Service Co, Inc</b>        |                                                                  |        |             |              |            |            |               |              |                    |
| 577227                                              | South Supply 1 North Reservoir Water Tank Maintenance SemiAnnual | Open   |             | 03/01/2023   | 05/26/2023 | 05/17/2023 |               |              | 10,000.00          |
| 577263                                              | Hicks & Dundee Ground Storage Water Tank Maintenance Semi Annual | Open   |             | 03/01/2023   | 05/26/2023 | 05/17/2023 |               |              | 10,000.00          |
| 577531                                              | South Supply 2 South Reservoir Water Tank Maintenance SemiAnnual | Open   |             | 03/01/2023   | 05/26/2023 | 05/17/2023 |               |              | 12,500.00          |
| Vendor <b>3156 - Utility Service Co, Inc</b> Totals |                                                                  |        |             |              |            |            | Invoices      | 3            | \$32,500.00        |
| Vendor <b>3709 - Verizon Wireless</b>               |                                                                  |        |             |              |            |            |               |              |                    |
| 9934815539                                          | Cellular Usage and In-Vehicle                                    | Open   |             | 05/12/2023   | 06/04/2023 | 05/26/2023 |               |              | 4,414.52           |
| Vendor <b>3709 - Verizon Wireless</b> Totals        |                                                                  |        |             |              |            |            | Invoices      | 1            | \$4,414.52         |
| Vendor <b>3020 - Village of Palatine Petty Cash</b> |                                                                  |        |             |              |            |            |               |              |                    |
| 2023-00000438                                       | J. Watson - GCCPCA Meeting/Luncheon x 2                          | Open   |             | 05/10/2023   | 06/05/2023 | 05/30/2023 |               |              | 40.00              |
| 2023-00000439                                       | T. Gulisano - Supplies for Citizen Police Academy Banquet        | Open   |             | 05/17/2023   | 06/05/2023 | 05/30/2023 |               |              | 71.87              |
| 2023-00000440                                       | M. Cohen - May Peer Jury Hearing Expenses                        | Open   |             | 05/03/2023   | 06/05/2023 | 05/30/2023 |               |              | 69.07              |

Attachment: Warrant #11 (Warrant 2023 # 11)





# Warrant #11

8.1.a

Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                               | Invoice Description                                                 | Status | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------------------------------------|---------------------------------------------------------------------|--------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| 2023-00000441                                | J. DeLuca - Squad Fuel/NIPAS Training                               | Open   |             | 05/10/2023   | 06/05/2023 | 05/30/2023 |               |              | 42.85              |
| Vendor 3020 - Village of Palatine Petty Cash |                                                                     | Totals |             |              |            | Invoices   | 4             |              | \$223.79           |
| Vendor 4730 - Alec C Wagner                  | 2023 IPWDA Membership Renewal                                       | Open   |             | 05/30/2023   | 06/05/2023 | 05/19/2023 |               |              | 60.00              |
| Vendor 4730 - Alec C Wagner                  |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$60.00            |
| Vendor 3209 - Warehouse Direct               | 5497056-0 Kitchen Towels, M-Folds, Blue Recycle Bags & Toilet Paper | Open   |             | 05/18/2023   | 06/17/2023 | 05/25/2023 |               |              | 1,024.35           |
| Vendor 3209 - Warehouse Direct               |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$1,024.35         |
| Vendor 4824 - Western First Aid & Safety     | ORD4-011224 First Aid Cabinet Supplies                              | Open   |             | 05/09/2023   | 06/08/2023 | 05/19/2023 |               |              | 95.27              |
| Vendor 4824 - Western First Aid & Safety     |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$95.27            |
| Vendor 2258 - Wickstrom Auto Group           | 902389 Repairs & Maintenance- C - 376                               | Open   |             | 05/12/2023   | 06/11/2023 | 05/31/2023 |               |              | 461.89             |
| Vendor 2258 - Wickstrom Auto Group           |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$461.89           |
| Vendor 1919 - Zoll Medical Corporation       | 3724931 Thermal Paper                                               | Open   |             | 05/05/2023   | 06/04/2023 | 05/18/2023 |               |              | 196.60             |
| Vendor 1919 - Zoll Medical Corporation       |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$196.60           |
| Vendor Monu & Dashmeet Kalsi                 | rp16-00320 Refund RP16-320/900 S Plum Grove #215/Late fee           | Open   |             | 05/31/2023   | 05/31/2023 | 05/31/2023 |               |              | 100.00             |
| Vendor Monu & Dashmeet Kalsi                 |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$100.00           |
| Vendor L6 Realty LLC                         | RP23-00053 Closed Rental RP23-00053/1461 N King Edward Ct           | Open   |             | 05/31/2023   | 05/31/2023 | 05/31/2023 |               |              | 89.00              |
| Vendor L6 Realty LLC                         |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$89.00            |
| Vendor Edward Lavallais                      | RP23-00055 Closed Rental RP23-00055/1733 Emerald Bay #7             | Open   |             | 05/31/2023   | 05/31/2023 | 05/31/2023 |               |              | 89.00              |
| Vendor Edward Lavallais                      |                                                                     | Totals |             |              |            | Invoices   | 1             |              | \$89.00            |
| Vendor US McK Corp                           |                                                                     |        |             |              |            |            |               |              |                    |

Attachment: Warrant #11 (Warrant 2023 # 11)



Invoice Due Date Range 04/01/23 - 06/20/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number | Invoice Description                          | Status | Held Reason | Invoice Date       | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------|----------------------------------------------|--------|-------------|--------------------|------------|------------|---------------|--------------|--------------------|
| RP15-00176     | Closed Rental RP15-00176/12B Dundee Qtr #302 | Open   |             | 05/31/2023         | 05/31/2023 | 05/31/2023 |               |              | 89.00              |
|                |                                              |        | Vendor      | US McK Corp Totals |            | Invoices   | 1             |              | \$89.00            |
|                |                                              |        |             | Grand Totals       |            | Invoices   | 242           |              | \$2,759,713.69     |

Attachment: Warrant #11 (Warrant 2023 # 11)





Payment Date Range 05/11/23 - 05/11/23  
Report By Vendor - Invoice  
Summary Listing

| Invoice Number                                           | Invoice Description         | Status            | Held Reason | Invoice Date | Due Date   | G/L Date   | Received Date | Payment Date | Invoice Net Amount |
|----------------------------------------------------------|-----------------------------|-------------------|-------------|--------------|------------|------------|---------------|--------------|--------------------|
| Vendor 1462 - Allied Benefit Systems, Inc.<br>0000490865 | May 2023 Flex Spending Fees | Paid by EFT #8756 |             | 04/24/2023   | 05/11/2023 | 05/11/2023 |               | 05/11/2023   | 464.00             |
| Vendor 1462 - Allied Benefit Systems, Inc. Totals        |                             |                   |             |              |            | Invoices   | 1             |              | \$464.00           |
| Grand Totals                                             |                             |                   |             |              |            | Invoices   | 1             |              | \$464.00           |

Attachment: Warrant #11 (Warrant 2023 # 11)

Village of Palatine  
**Payment Batch Register**  
Bank Account: AP - Accounts Payable ZBA  
Batch Date: 05/12/2023

| Type                                           | Date       | Number       | Source                    | Payee Name       | EFT Bank/Account | Transaction Amount |
|------------------------------------------------|------------|--------------|---------------------------|------------------|------------------|--------------------|
| <b>Bank Account:</b> AP - Accounts Payable ZBA |            |              |                           |                  |                  |                    |
| Check                                          | 05/12/2023 | 262458       | Utility Management Refund | KIM , PETER      |                  | 5.79               |
|                                                |            | Account Type | Account Number            | Transaction Date | Transaction Type |                    |
| AP Accounts Payable ZBA Totals:                |            |              |                           | Transactions: 1  |                  | \$5.79             |
| Checks:                                        |            | 1            |                           | \$5.79           |                  |                    |



**Batch Date: 05/26/2023**

**Attachment: Warrant #11 (Warrant 2023 # 11)**

Village of Palatine  
**Payment Batch Register**  
Bank Account: AP - Accounts Payable ZBA  
Batch Date: 05/31/2023

| Type                                    | Date                        | Number | Source                    | Payee Name      | EFT Bank/Account | Transaction Amount |
|-----------------------------------------|-----------------------------|--------|---------------------------|-----------------|------------------|--------------------|
| Bank Account: AP - Accounts Payable ZBA |                             |        |                           |                 |                  |                    |
| Check                                   | 05/31/2023                  | 262460 | Utility Management Refund | CINA , ALBERT   |                  | 61.43              |
|                                         | Account Type                |        | Account Number            |                 | Transaction Date | Transaction Type   |
|                                         | Residential - Single Family |        | 462712002-001             |                 | 05/30/2023       | Refund             |
| AP Accounts Payable ZBA Totals:         |                             |        |                           | Transactions: 1 |                  | \$61.43            |
|                                         | Checks:                     | 1      | \$61.43                   |                 |                  |                    |



# Consider an Amendment to the Jaycees 2023 Hometown Fest Approval Dates to Allow the Carnival Vendor, Windy City Amusements, to Open Their Food, Game and Ride Operations One Day Prior to the Official Opening of Hometown Fest, Thursday, June 29, from 5 PM - 9 PM

## BACKGROUND:

The Palatine Jaycees are holding their annual Hometown Fest from Friday, June 30 - Tuesday, July 4, 2023. The carnival vendor, Windy City Amusements, is requesting to open one day prior, Thursday, June 29th, to operate their food, games and rides from 5PM - 9PM. The approved festival hours are as follows :

- Friday, June 30: 5PM - 10PM (Special Needs Carnival from 3 - 5PM)
- Saturday, July 1: Noon - Midnight (Parade at 11AM)
- Sunday, July 2: Noon - 10PM
- Monday, July 3: 3PM - Midnight (Fireworks at 9:30PM)
- Tuesday, July 4: Noon - 5PM

## KEY ISSUES:

1. The Jaycees are requesting approval of the following:
  - Allow Windy City Amusements to open one day earlier, Thursday, June 29, 5PM - 9PM.
    - Only Windy City will open and operate their carnival rides, games and food.
    - Hometown Fest will not open until Friday, June 30. There will be no beer tent or any other vendors open on Thursday, June 29. Just the carnival operations.
  - Hometown Fest's opening day will remain on Friday, June 30.
  - Setup will remain as planned and begin Thursday, June 29 and tear down will start Tuesday afternoon on July 4<sup>th</sup> and conclude on Wednesday, July 5<sup>th</sup>.
  - Temporary closure of streets on Saturday, July 1 for the parade.
  - The proposed event hours are consistent with what was approved by the Palatine Park District at their December 13, 2022 Board Meeting.
2. Any requested overnight security from the Palatine Police Department will be billed and paid for by the Jaycees.

## ALTERNATIVES:

1. Approve the request for Windy City Amusements to open one day early, Thursday, June 29, 5 PM - 9 PM to operate their food, games and rides.
2. Do not approve the request for Windy City Amusements to open one day early, Thursday, June 29, 5 PM - 9 PM to operate their food, games and rides.

## RECOMMENDATION:

Staff recommends approval of the amended date for Windy City Amusements to open one day prior to Hometown Fest, Thursday, June 29, 5 PM - 9 PM.

## ACTION REQUIRED:

A motion to approve the request for the amended date for Windy City Amusements to

open one day prior to Hometown Fest, Thursday, June 29, 5 PM - 9 PM subject to the conditions outlined above.



## Consider an Ordinance Granting a Special Use to Permit a Car Wash at 2239 N. Rand Road

### BACKGROUND:

The Petitioner is proposing to demolish the existing structure on the property and redevelop the site with a drive-through touchless car wash ("Zoomies Express Car Wash"). Therefore, the Petitioner is requesting approval of the following:

**Special Use to permit a car wash (automotive laundry) at the Subject Property.**

### KEY ISSUES:

- The Petitioner is requesting a Special Use for a car wash. The proposed car wash includes 27 bays of covered vacuums and car stacking space along the south side of the proposed building.
- When the Patrick Hyundai Planned Development was approved in 2012, a condition required a cross access easement for the Subject Property for access to both Rand and Lake Cook Roads. Pursuant the applicable declarations and a maintenance agreement, the proposed car wash connects through the existing Patrick Hyundai access road, which also provides access to Starbucks and the Bloc dispensary currently under construction.
- The proposed elevations combine face brick and stone block, with limestone sills, and fiber cement panels. The tower roofs are of a dark bronze metal material. The Petitioner also submitted a photometric plan, which complies with the Code requirements and indicates minimal to no impact on the surrounding properties.
- For additional reference, the Petitioner submitted a sound study from another community. Its relevance to this location is that it measured decibel readings for the same equipment in Palatine. The study confirms that the equipment's decibel output is below the State of Illinois standards for commercial properties. The car wash also includes speed doors to further manage the car wash operations.
- The submitted business plan indicates that the automated facility would have a minimum of 3 employees, always present at the facility. During peak hours there could be a maximum of 6 employees.
- Per Code, within the B-5 zoning district a single user lot, over 2 acres, is permitted two free-standing signs. The Petitioner has indicated that one of these signs could occupy part of the existing monument sign near the subject property's northern side lot line (sign is also occupied with Starbucks Drive-Thru sign). Any reuse of this sign would be subject to a sign easement and maintenance agreement, from the initial subdivision approval and in a manner acceptable to the Village.

### ALTERNATIVES:

1. Approve the Special Use to permit a car wash at the Subject Property.
2. Do not approve the Special Use to permit a car wash at the Subject Property.

### RECOMMENDATION:

Public Hearing: PZC meeting on April 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve a Special Use to permit a car wash, and Staff concurs.

**ACTION REQUIRED:**

A motion to approve the ordinance granting a Special Use to permit a car wash at the Subject Property.



# Consider an Ordinance Granting a Special Use to Permit an Addition to Encroach into the Required Side Yard Setback at 225 W. Kenilworth Avenue

## BACKGROUND:

The Petitioner is proposing to construct an addition to the rear of the existing attached garage. The proposed 388 square foot addition maintains the existing 5.3-foot side yard setback for the legally non-conforming residence. Therefore, the Petitioner is requesting approval of the following:

**Special Use to permit an addition to be set back 5 feet, from the side lot line, instead of the minimum required 10 feet.**

## KEY ISSUES:

- The existing primary structure is legal non-conforming for both interior side yard setbacks. Each existing side setback is approximately 5 feet, instead of the minimum required 10 feet. The zoning ordinance amended the required residential setbacks in 2006 to align with the underlying lot width, as opposed to the previous alignment to the date of subdivision platting.
- In 2018, the Petitioner was granted a Special Use to permit an addition to the east side of the house to be set back 5 feet from the side lot line, instead of the minimum required 10 feet (#O-11-18).
- The existing garage is a 1-car garage and, per the submitted application, the Petitioner has 2 cars they wish to be stored in the garage. The addition will result in a tandem, 2-deep garage with room for both personal vehicles, bicycles, and household materials.
- Per the Engineering Department's review, a lot grading plan will be required during the building permit stage.

## ALTERNATIVES:

1. Approve the Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.
2. Do not approve the Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

## RECOMMENDATION:

|                       |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Public Hearing:       | PZC meeting on May 23, 2023.                                                                                                                 |
| Residents testifying: | None.                                                                                                                                        |
| Vote:                 | The PZC voted unanimously to approve a Special Use to permit an addition to encroach into the required side yard setback, and Staff concurs. |

## ACTION REQUIRED:

A motion to approve the ordinance granting a Special Use to permit an addition to be set back 5 feet from the side lot line, instead of the minimum required 10 feet.

# Consider an Ordinance Granting a Special Use and Variation to Permit an Addition to Encroach into the Required Front Yard Setback and to Exceed Maximum Lot Coverage at 849 W. Kenilworth Avenue

## BACKGROUND:

The Petitioner is seeking a lot coverage Variation and a Special Use for a front yard setback reduction to permit a 2-story addition and covered porch along the front of the home. The proposed front yard setback to the covered porch is approximately 20 feet, with the remaining 2-story addition having a 25-foot setback. Therefore, the Petitioner is requesting approval of the following:

**1) Special Use to permit an addition to be set back 20 feet from the front property line, instead of the minimum required 30 feet; and**

**2) Variation to permit lot coverage to be 48%, instead of the maximum permitted 45%.**

## KEY ISSUES:

- The Petitioner is seeking a front yard setback reduction to permit a 2-story frame addition and covered porch along the front of the home. The proposed setback for the covered porch addition is approximately 20 feet.
- The existing residence, not including the porch and stair, is set back approximately 24 feet and is legal non-conforming to the currently required 30-foot front yard setback in the R-2 district.
- The proposed porch and front stairs will be set back approximately the same distance as the existing smaller porch and stair. However, the proposal will stretch the porch to cover the entire front of the residence.
- The application indicates that the addition will provide more space for their family and add to the neighborhood character by making the home more appealing. Per the submitted elevation plans, the 2-story addition will match the existing ridgeline and will not exceed the current height of the residence. A formal engineering review will be done as part of the building permit process.
- Comparable relief was granted to the adjacent property at 879 W. Kenilworth Ave. In 2018 a Special Use was granted to permit the home to be set back 20 feet from the zoning front lot line off Crescent Avenue, instead of the minimum required 30 feet.

## ALTERNATIVES:

1. Approve the Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.
2. Do not approve the Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.

## RECOMMENDATION:

Public Hearing: PZC meeting on May 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve a Special Use and Variation to permit a home addition, and Staff concurs.



**ACTION REQUIRED:**

A motion to approve the ordinance granting a Special Use to permit an addition to be set back 20 feet from the front property line and a Variation to permit lot coverage to be 48%.

# Consider an Ordinance Amending Various Sections of the Village of Palatine Zoning Ordinance Related to Accessory Structures, Fences, and Above Ground Pools

## BACKGROUND:

Staff initially reviewed and discussed potential amendments to the fencing code with the Village Council at the February 6<sup>th</sup> meeting. The proposed text amendments are the resulting implementation of that discussion and will eliminate some redundancies and duplication in the Zoning Ordinance. Therefore, Staff is requesting approval of the following:

## Text Amendments to the Village of Palatine Zoning Ordinance regarding fencing, swimming pools, and accessory structures

## KEY ISSUES:

- The proposed amendments will eliminate some repetitive fencing code sections (Article VI - Accessory Structures Fences, and Accessory Uses) and clarify that above ground pools are not calculated into the accessory structure square footages allowance for residential properties (they are counted towards lot coverage).
- The fencing amendments would afford side yards abutting a street the same parameters permitted for front yard fencing. The amendment also eliminates repetitive sections and clarifies the replacement of existing fences.
- The amendments to the fencing Section 6.03 to clarify the following:
  - Includes a general requirement that no fence shall interfere with the natural flow of stormwater.
  - Clarifies that the replacement of non-conforming fences must be a similar, or lower height, and style of openness.
  - Allows up to 20 feet of decorative fences (3 feet in height) in side yards abutting a street, which is similar to what is currently permitted in front yards.
  - Removes the section on “Lots platted before January 1, 1930” due to the repetitiveness of “lots platted after January 1, 1930”, with the same requirements.
- In Article X, there is a consistency update to amend accessory building to accessory structure.

## ALTERNATIVES:

1. Approve the proposed text amendments.
2. Do not approve the proposed text amendments.

## RECOMMENDATION:

Public Hearing: PZC meeting on May 23, 2023.

Residents testifying: None.

Vote: The PZC voted unanimously to approve the proposed text amendments and Staff concurs.

## ACTION REQUIRED:



A motion to approve the text amendments to the Palatine Zoning Ordinance.

## Consider a Motion to Award a Contract for the 2023 Water Main Replacement Contract 2 Project

### BACKGROUND:

Lytle Drive and near 500 North Plum Grove Road are recommended for water main replacement due to their age and the number of breaks that have occurred over the last several years. The water main replacement on Lytle Drive will be from Morris Drive to Flake Drive (approximately 1,700 feet). The water main replacement near 500 North Plum Grove Road will be from Plum Grove Road to Brockway Street (approximately 700 feet).

### KEY ISSUES:

- On Tuesday, May 2, 2023, six bids were received, ranging from a high of \$1,204,622.75 to a low of \$978,971.50.
- The low responsive and responsible bidder was Gerardi Sewer & Water Company of Addison, Illinois in the amount of \$978,971.50.
- The Engineer's estimate was \$938,153.

### ALTERNATIVES:

1. Award the contract for the 2023 Water Main Replacement Contract 2 to Gerardi Sewer & Water.
2. Refer back to Staff with comments.

### RECOMMENDATION:

It is recommended that the contract for the 2023 Water Main Replacement Contract 2 Project be awarded to Gerardi Sewer & Water.

### BUDGET IMPACT:

Funding is available in the Water Fund of the 2023 Capital Improvement Program to accommodate this work.

### ACTION REQUIRED:

Motion to award the contract for the 2023 Water Main Replacement Contract 2 Project to Gerardi Sewer & Water Company of Addison, Illinois in the amount of \$978,971.50.



# **Consider a Motion Authorizing the Village Manager to Execute a Proposal for Construction Engineering Services for the 2023 Water Main Replacement Contract 1, Contract 2, and Contract 3 Projects**

## **BACKGROUND:**

Construction is scheduled for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects. Work commenced in May with construction to be substantially completed by early August for Contract 1 Phase 1. For Contract 2, work is tentatively scheduled to commence in June with construction to be substantially completed by August. For Contract 3, work is tentatively scheduled to commence in June with construction to be substantially completed by early September.

## **KEY ISSUES:**

- Utilizing construction engineering services is recommended to meet procedural requirements, assure quality construction, and allow for the necessary intermittent attention needed during this construction project.
- A qualification-based selection process was used for construction engineering.
- Doland Engineering completed the design and permitting for the Contract 1 Phase 1 project and demonstrated their ability to perform construction engineering on behalf of the Village in 2022 for water main replacement projects.

## **ALTERNATIVES:**

1. Authorize the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects.
2. Refer back to Staff with comments.

## **RECOMMENDATION:**

Staff recommends authorizing the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects.

## **BUDGET IMPACT:**

Funding is available in the Water Fund of the 2023 Capital Improvement Program to accommodate this work.

## **ACTION REQUIRED:**

Motion to authorize the Village Manager to execute the proposal from Doland Engineering for Construction Engineering Services for the 2023 Water Main Replacement Contract 1 Phase 1, Contract 2, and Contract 3 Projects in the amount of \$134,700.

# Ordinance Amending Chapter 07 - Fire Prevention & Protection

8.9

## **BACKGROUND:**

As part of a comprehensive staff review of the Codebook in preparation for recodification, Chapter 7 has been updated.

## **KEY ISSUES:**

- Chapter 7 was before the Council on May 15, 2023 for changes to reflect updates to the International Fire Code, fireworks permitting process, best practices and general clean up.
- Based on feedback from a fireworks vendor, staff consulted with our insurance broker and determined that a \$1,000 bond that had previously been required for fireworks displays was not necessary and staff recommends removing from the Code.
- Staff found a few minor details that needed general clean up.

## **ALTERNATIVES:**

1. Approve an ordinance amending Chapter 7.
2. Do not approve the ordinance or refer back to staff with comments.

## **RECOMMENDATION:**

Staff recommends approval of the Ordinance amending Chapter 7.

## **ACTION REQUIRED:**

Approval of the Ordinance amending Chapter 7.

## **ATTACHMENTS:**

- Ordinance Amending Chapter 7
- Exhibit A: Chapt 07 Track Changes
- Chapt 07 Final



ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE AMENDING CHAPTER 07 - FIRE PREVENTION & PROTECTION  
OF THE CODE OF ORDINANCES OF THE VILLAGE OF PALATINE**

NOW, THEREFORE, BE IT ORDAINED, by the Mayor and Village Council of the Village of Palatine, Cook County, Illinois, acting in the exercise of their home rule power, that:

**SECTION 1:** That the Code of Ordinances, of the Village of Palatine, Illinois, as amended, be and the same is hereby further amended by amending Chapter 07 - Fire Prevention & Protection, which shall be read as indicated on Exhibit "A".

**SECTION 2:** That the Village Clerk is directed to maintain a record of the modifications to the existing ordinance (a redlined version of the modifications approved pursuant to this Ordinance).

**SECTION 3:** That this ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED: This \_\_\_\_\_ of \_\_\_\_\_, 2023

AYES:\_\_\_\_\_ NAYS:\_\_\_\_\_ ABSENT:\_\_\_\_\_ PASS:\_\_\_\_\_

APPROVED by me this \_\_\_\_\_ of \_\_\_\_\_, 2023

\_\_\_\_\_  
Mayor of the Village of Palatine

ATTESTED and FILED in the office of the Village Clerk

this \_\_\_\_\_ of \_\_\_\_\_, 2023

\_\_\_\_\_  
Village Clerk

Attachment: Ordinance Amending Chapter 7 (Ordinance Amending Chapter 7 (CA))

**Chapter 7 FIRE PREVENTION AND PROTECTION\***

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**\*Cross reference(s)**--Police and fire commission, Ch. 2, Art. XX; police pension board, Ch. 2, Art. XXI; firemen's pension fund, Ch. 2, Art. XXII; buildings and building regulations, Ch. 6; garbage and refuse, Ch. 8; housing, Ch. 10; false fire alarms prohibited, 12-8; firefighting appliances required in public buildings, 12-116  
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**Editor's Note:** Chapter 7 was replaced by Ord. No. 0-13-99 passed on February 22, 1999.

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**Editor's Note:** Article III was replaced in its entirety by Ord. No. 0-84-02, passed on May 28, 2002 with an effective date of July 1, 2002.  
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**Editor's Note:** A new Article V. Ambulance Service Fees was added by Ord. 0-132-03, passed on June 2, 2003, effective July 1, 2003  
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**Editor's Note:** Chapter 7 was replaced in its entirety by Ord. 0-200-07, passed on December 3, 2007, retroactive to January 1, 2007.  
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- |                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| <b>Art. I.</b>   | <b>In General, §§ 7-1--7-15</b>                                                 |
| <b>Art. II.</b>  | <b>Fire Department, §§ 7-16--7-37</b>                                           |
| <b>Art. III.</b> | <b>Fire Prevention, §§ 7-38--7-66</b>                                           |
|                  | Div. 1. Codes, §§ 7-41--7-50                                                    |
|                  | Div. 2. Fire Prevention Division, §§ 7-51--7-60                                 |
|                  | Div. 3. Fire Lanes, §§ 7-61--7-63                                               |
|                  | Div. 4. Flammable Liquids, §§ 7-64--7-66                                        |
| <b>Art. IV.</b>  | <b>Enforcement and Penalties, §§ 7-67--7-68</b>                                 |
| <b>Art. V.</b>   | <b>Ambulance and Emergency Response Service Fees, §§ 7-80--7-81; 7-82--7-83</b> |

**ARTICLE I. IN GENERAL****Sec. 7-1. Enforcement of Chapter Provisions.**

It shall be the duty of all police officers of the village to see that provisions of this chapter are enforced and to arrest on view any person who shall be found violating any of the provisions of this chapter, or who shall hinder, resist or refuse to obey any officer of the fire department in the discharge of his or her duty. Whoever shall willfully or negligently break, deface, or in any manner injure any fire engine, hose equipment or other fire apparatus belonging to the village or shall remove any such part of such engine or other fire apparatus or in any manner interfere with the same when being used by fire department personnel shall be legally charged. It shall be unlawful for any person to enter fire stations or any place where equipment or apparatus of the fire department is stored at any time, except on business pertaining to the fire department or other village business. (Ord. No. O-107-76, § 1, 12-13-76)

**Editor's note**--(Ord. No. O-107-76, § 1, amended Ch. 7 by adding provisions designated as § 7-29. The editors re-designated such provisions as § 7-1 for purposes of classification.

**Sec. 7-2. Reserved.**

**Editor's note**--Ord. No. O-88-91, § 1, adopted June 24, 1991, deleted § 7-2, which pertained to agreements for fire and paramedic services with state and federal facilities, and derived from Ord. No. O-180-88, § 1, adopted Dec. 27, 1988.

**Secs. 7-3--7-15. Reserved.**



**ARTICLE II. FIRE DEPARTMENT\***

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**\*Editor's note**--Ord. No. O-107-76, § 1, enacted Dec. 13, 1976, repealed former Art. II, § 7-16--7-28, relative to the fire department, and enacted in lieu thereof a new Art. II pertaining to the same subject matter. Formerly Art. II was derived from Code 1961, § 6.107--6.112; Ord. No. O-101-74, § 2, adopted Dec. 30, 1974; and Ord. No. O-46-76, § 1, adopted April 29, 1976.

**Cross reference(s)** Fire and Police Commission, Ch. 2, Art. XX; Firemen's Pension Fund, Ch. 2, Art. XXII.

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**Editor's Note:** Ordinance 0-16-02 passed on 1/28/02 replaced Secs. 7-16 through 7-18.  
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**Sec. 7-16. Creation; Composition.**

There is hereby created a Fire Department for the Village of Palatine which shall consist of the Fire Chief and as many employees as the Corporate Authorities may designate from time to time. (Ord. No. O-107-76, ' 1, 12-13-76) (Ord. 0-16-02, §2, 1/28/02; Ord. 0-210-06, §1, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-17. Appointment and Removal of Fire Chief.**

The Fire Chief shall be appointed by the Village Manager. The Fire Chief shall serve at the pleasure of the Village Manager and may be removed by the Village Manager at any time thereafter. (Ord. No. O-107-76, ' 1, 12-13-76; Ord. No. O-48-78, ' 1, 6-12-78) (Ord. 0-16-02, §2, 1/28/02; Ord. 0-210-06, §1, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-18. Supervision and Control of the Fire Chief.**

The Village Manager shall be the immediate supervisor of the Fire Chief, and all policies, directives and orders from the Village government to the Fire Chief shall be made by or transmitted through the Village Manager as the chief administrative officer of the Village government. The Fire Chief shall report directly to the Village Manager and not to the Corporate Authorities or to individual members thereof. (Ord. No. O- 107-76, ' 1, 12-13-76) (Ord. 0-16-02, §2, 1/28/02)

**Sec. 7-19. Powers and Duties of the Fire Chief Generally.**

The Fire Chief shall direct the administration and operations of the fire department, and in addition to policies transmitted to the Fire Chief by the Village Manager, shall establish such other policies, directives, rules and regulations and operations of the fire department as determined by the Fire Chief, and provided in written or electronic form to all employees. The Fire Chief shall serve as appointing authority for appointments to the positions of Deputy Chief, Division Chief, Battalion Chief, Engineer, and the Fire Marshal and shall have the power to suspend, demote, or dismiss any employee, with the concurrence of the Village Manager, consistent with the provisions of this Code governing the Fire and Police Commission, Chapter 2, Article XX, the Village work rules, and the collective bargaining agreement between the Village of Palatine and the Local 4588. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. 0-210-06, §2, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-20. Civil Service Exempt Command Positions.**

The Fire Chief, with the concurrence and the approval of the Village Manager, shall have the authority to recruit and appoint individuals to civil service exempt command positions within the Fire Department including the position of Deputy Chief, Division Chief, Battalion Chief, and the Fire Marshal. Civil service exempt command positions will not have certified status and rights. Individuals appointed to exempt command positions shall serve at the pleasure of the Fire Chief and may be removed by the Fire Chief at any time with the concurrence of the Village Manager. If an individual is appointed to such a position who holds certified status within the Fire Department in another position, the individual shall retain a guaranteed right to return to the former position with the certified status upon termination from the exempt command position, subject to section 2-380 of this Code. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-21. Dismissals.**

No full time, certified member of the Fire Department shall be dismissed until after a hearing by the Fire and Police Commission, in accordance with its rules and the provisions of Chapter 13 of this Code and the collective bargaining agreement between the Village of Palatine and the Local 4588. With the consent of the Village Manager, the Fire Chief, without the requirement of a hearing, shall have the power to dismiss a firefighter who is serving in an original appointment probationary period. (Ord. No. O-17-76, § 1, 12-13-76)

**Sec. 7-22. Rules and Regulations.**

The Fire Chief shall make, prescribe, publish, and enforce rules and regulations for the guidance of the members of the Fire Department. Such rules shall be binding on all members of the Fire Department. The Fire Chief may change such rules from time to time as circumstances warrant. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-23. Supervision over Department and Equipment.**

The Fire Chief shall have the control, subject to the order and direction of the Village Manager, of the Fire Department and all fire and emergency services apparatus belonging to the Village. Whenever any fire apparatus needs repair, the Fire Chief or his or her designee shall order repair to be done without delay. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. 0-210-06, §3, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-24. Incident Command.**

The Fire Chief or his or her designee shall designate an on-duty member of the Fire Department to assume the Shift Commander position. The Shift Commander shall take command of the emergency incident and direct the members thereof in the best manner possible. The officer in command at a fire/emergency incident, may cause buildings to be removed, torn down, or destroyed when he deems it necessary to do so in the interests of safety. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-25. Records.**

The Fire Chief or his or her designee shall keep or cause to be kept a record of the attendance of the members and record of all fire and emergency medical calls in accordance with the standards established and enforced by the Local Records Commission. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-26. Duties of Fire Department Generally.**

It shall be the function and duty of the Fire Department and every member thereof to extinguish intentional and accidental destructive fires and to prevent the occurrence or spread of such fires. Duty assignments, including emergency medical services duties, fire suppression-related duties, special rescue duties, public education, and fire prevention, shall be made for members of the Fire Department by the Fire Chief. All such duty assignments shall be at the discretion of the Fire Chief with concurrence by the Village Manager, not to exceed an average of 50.15 hours per week without overtime remuneration according to established rules. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. O-



59-83, § 1, 9-12-83; Ord. No. 0-210-06, §4, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07; Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-27. Obedience to Orders.**

Any firefighter in attendance at a fire, or other emergency incident, who shall neglect or refuse to obey the order of the officer in command at such emergency incident, may be suspended or dismissed by the Fire Chief or his or her designee, consistent with the provisions of this Code governing the Fire and Police Commission, and the collective bargaining agreement between the Village of Palatine and the Local 4588. Chapter 2, Article XX. (Ord. No. O-107-76, § 1, 12-13-76)

#### **Secs. 7-28--7-37. Reserved.**

(Ordinance No. O-63-23, 05/15/23)

### **ARTICLE III. FIRE PREVENTION\***

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 \* **Cross reference(s)**--Burning of refuse, etc. prohibited, § 8-4; open fires prohibited, § 12-4; Prohibited except in fireplace; § 12-42; Grass fires: permit required, 12-43 Regulations, Chapter 12 Article III, IV and VII, Appendix B 6.06 (c). Addressing, Appendix B 8.06 (d) Fire Hydrants, 12-41; grass fires prohibited, § 12-42.  
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**Editor's Note:** Article III was replaced in its entirety by Ord. No. 0-84-02, §§4-6, passed on May 28, 2002 with an effective date of July 1, 2002.  
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### **DIVISION 1. CODES**

**State law reference(s)**--Power to incorporate technical codes by reference, 50ILCS220/1.

#### **Sec. 7-38. Minimum Standards.**

(a) The following list of codes, subsequent supplements, and Palatine amendments are hereby adopted by reference:

- (1) Life Safety Code, NFPA 101, 2015 Edition.
- (2) International Fire Code, 2015 Edition (with noted amendments). (Ord. 0-57-06, §1, 3/20/06, eff. 6/1/06; Ord. 0-70-11, §1, 6/20/11, Ord O-94-18; 08/13/18-eff. 01/01/19)
  - (a) Appendix C Fire Hydrant Locations and Distributions
  - (b) Appendix D, Fire Apparatus Access
  - (c) Appendix I, Fire Protection Systems – Noncompliant Conditions
  - (d) Appendix J, Building Information Sign

- (3) 2018 NFPA 1 Section 50.7

#### **Sec. 7-39. International Fire Code, 2015 Edition.**

The International Fire Code, 2015 Edition, is hereby adopted with the following amendments: (Ord. 0-57-06, §2, 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11, Ord. O-94-18, 08/13/18-eff. 01/01/19)

**Sec. 7-39.01. Board of Appeals.**

Section 108 shall be deleted (Ord. O-94-18, 08/13/18-eff. 01/01/19)

**Sec. 7-39.1. Open Burning.**

Section 308.1.4 Open-flame cooking devices; shall be deleted in its entirety. (Ord. No. 0-70-13, §1, 6/10/13)

**Sec. 7-39.2. Vacant Premises.**

Section 311.2.2 Fire protection in vacant buildings; delete all exceptions.

**Sec. 7-39.3. Fire Alarm and Detection Systems.**

Delete the exceptions in the following sections as noted: 907.2.1, delete exception; 907.2.2, delete exception; 907.2.4, delete exception; 907.2.6, delete exception; 907.2.6.1, delete both exceptions; 907.2.7, delete exception; 907.2.8.1, delete exception 2; 907.2.9, delete exception 2.

(a) In all buildings where fire sprinklers and/or fire alarms are required interior horn/strobe units, and exterior strobe(s) tied to a smoke detector shall be installed. This requirement includes existing buildings and units of all use classifications when there is a tenant change or interior build-out. All devices shall be installed per the requirements of NFPA 72. (Ord. 0-57-06, §3, 3/20/06, eff. 6/1/06)

**Section 7-39.4. Fireworks****Sec. 7-39.4.1. Definitions.**

“Fireworks” means and includes any explosive composition, or any substance or combination of substances, or article prepared for the purpose of producing a visible or audible effect of a temporary exhibitional nature by explosion, combustion, deflagration or detonation, and shall include blank cartridges, toy cannons in which explosives are used, the type of balloons which require fire underneath to propel the same, firecrackers, torpedoes, skyrockets, roman candles, bombs, sparklers or other fireworks of like construction and any fireworks containing any explosive compound, or any tablets or other device containing any explosive substances, or containing combustible substances producing visual effects; provided, however, that the term “fireworks” shall not include snake or glowworm pellets; smoke devices; trick noisemakers known as “party poppers”, “booby traps”, “snappers”, “trick matches”, “cigarette loads”, and “auto burglar alarms”; or toy pistols, toy canes, toy guns, or other devices in which paper caps containing twenty-five hundredths grains or less of explosive compound are used, providing they are so constructed that the hand cannot come in contact with the cap when in place for the explosion, and toy pistol paper caps which contain less than twenty-hundredths grains of explosive mixture. (Code 1961, §24.102; Ord. 0-69-13 §2, 6/10/13; Ord. No. O-63-23, 05/15/23)

**Sec. 7-39.4.2 Prohibitions.**

No person shall have, keep, store, use, manufacture, assemble, mix, sell, discharge, handle, or transport any fireworks; provided, however, that nothing in this section shall be held to apply to the possession or use of signaling devices for current daily consumption by railroads. (Code 1961, §24.103; Ord. 0-49-05, §1, 3/14/05; Ord. 0-69-13 §2, 6/10/13; Ord. No. O-63-23, 05/15/23)

*Section 5601.1.3 of the 2015 Edition International Fire Code shall be amended to read as follows:*  
(Ord. 0-57-06, §4, 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11; Ord O-94-18, 08/13/18 eff. 01/01/19)

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling and use of fireworks, including sparklers, are prohibited.

*Exceptions:*

1. Storage and handling of fireworks as permitted in Section 5604.
2. Manufacture, assembly and testing of fireworks as permitted in Section 5605.



3. The use of fireworks for display as permitted in Section 5608.
4. The possession, storage, sale, handling and use of specific types of Division 1.4g fireworks where allowed by applicable local or state laws, ordinances and regulations provided such fireworks comply with CPSC 16 CFR, parts 1500-1507, and DOT 49 CFR, parts 100-178, for consumer fireworks.

(Ord. 0-98-05, §1, 5/16/05; Ord. O-94-18, 08/13/18-eff. 01/01/19)

#### **Sec. 7-39.4.3. Penalties.**

Any person who violates any provision of Section 7-39.4.2 shall be fined not less than seventy-five dollars (\$75.00) nor more than seven hundred fifty dollars (\$750.00). (Code 1961, §24.106; Ord. 0-49-05, §2, 3/14/05; Ord. 0-69-13 §2, 6/10/13; Ord. O-124-17, 12/4/17)

#### **Sec. 7-39.5. Indoor Pyrotechnic Displays.**

Indoor pyrotechnic displays shall not be allowed.  
(Ord. 0-25-08, §2, 2/19/08)

#### **Sec. 7-39.6. Application for Outdoor Pyrotechnical Displays.**

a) The firing or shooting off of any fireworks shall be permitted upon the issuance of a permit by the Fire Prevention Division and shall have been granted and permitted by the Village Manager prior to issuance of a permit. (Ordinance O-63-23, 05/15/23)

b) All outdoor fireworks displays shall be electronically fired from an approved electronic firing unit, and all fireworks displays shall comply with the NFPA 1123, 2014 edition. (Ord. No. 0-69-13 §1, 6/10/13; Ord. O-94-18; 08/13/18-eff. 01/01/19; Ord. No. O-63-23, 05/15/23)

c) Application for permits for the discharge of fireworks or for pyrotechnical displays shall be in writing to the Fire Prevention Division; submitted thirty (30) days in advance of the show date and shall include a scaled diagram of the location where the exhibition will be held; drawings to include the location and distances of all buildings, roadways, overhead wires and obstructions, audience viewing areas, and projected fall out areas for aerial rocket debris, and a copy of the pyro-technicians State and Federal licenses.

The Fire Prevention Division shall upon receipt of such applicant's permit refer the same to the Chief of Police and the Chief of the Fire Department who shall have an inspection made of the premises at the location given in said application where it is proposed to give such public display of fireworks, and if in the judgment of the Chief of Police and the Chief of the Fire Department it would not be hazardous to surrounding property or dangerous to any person or persons to permit such public display of fireworks at such location, they shall approve such application and return the same to the Fire Prevention Division, and in turn the approved application shall be forwarded to the Village Manager for final consideration. The permit will be issued by the Fire Prevention Division on the day of the event, after an inspection of the site, equipment, and product has been approved. Such permits shall designate the kinds and quantities of fireworks to be used at such public display, and no other kinds and no greater quantities of fireworks than therein specified shall be used at such public display. (Ord. No. 0-69-13 §1, 6/10/13)

#### **Sec. 7-39.7. Insurance Requirements.**

No pyrotechnical exhibition shall be held unless the proprietor thereof or pyrotechnic company has in force a public liability insurance policy in the amount of at least five million dollars (\$5,000,000) listing the Village as an additional insured party; a certificate showing such insurance shall be filed

with the Village Manager at least fifteen days (15) days prior to such exhibitions; or other documentation as required by the Village. In addition to the Certificate of Insurance, the pyrotechnic company must provide any necessary endorsements within at least fifteen days (15) days prior to such exhibitions. ~~The pyrotechnic company shall post a bond upon receiving a permit in a sum not less than one thousand dollars (\$1,000.00) conditioned upon compliance with the provisions of 425 ILCS 35/1 through 35/5 (as they now exist or are hereinafter amended) and with all the regulations of the Fire Marshal.~~ (Ord. No. 0-69-13 §1, 6/10/13; Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-39.8. Nitro-glycerine; T.N.T. Prohibited; Exception; Storage Limit.**

It shall be unlawful to keep or store any nitro-glycerine or the explosive commonly known as T.N.T. in the village in any quantities, excepting for medicinal or laboratory purposes and for such purposes no more than one-quarter (1/4) ounce shall be stored in any one (1) building or premises. (Ord. No. 0-69-13 §1, 6/10/13)

#### **Sec. 7-39.9. Rules of State Fire Marshal to Govern.**

All explosives must be kept or stored in accordance with the rules of the State Fire Marshal, subject to the provisions of this article. (Ord. No. 0-69-13 §1, 6/10/13)

#### **Sec. 7-39.10. Reserved.**

#### **Sec. 7-39.11. Deleted Articles.**

The following articles in NFPA 1123, 2014 edition shall be deleted:

8.1.6.2 Delete this article entirely

8.2.6 Delete this article entirely

8.2.9.2.2 Delete this article entirely

(Ord. No. 0-69-13 §1, 6/10/13, Ord. O-94-18, 08/13/18-effective 01/01/19)

#### **Sec. 7-39.12. Tents and Membrane Structures.**

In addition to the requirements found in the International Fire Code related to Tent and Membrane Structures, these shall apply:

- a) Tents and Membrane Structures erected on streets or parking lots shall have barriers to deter vehicle impact as defined in the IFC 312.3.
- b) Tents and Membrane Structures shall display a sign(s) stating "In the Event of Severe Weather, Evacuate Tent and Seek Shelter". Sign shall be a minimum of 2 feet by 2 feet.

(Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-40. Fire Protection.**

##### **Sec. 7-40.05. Sprinkler Design Safety Factor.**

Sprinkler systems for NFPA 13 systems shall be designed with a minimum safety factor of 5 psi provided between the available water supply and the system flow and pressure demand and shall include hose stream allowances required by NFPA 13, 13D, and 13R. (Ord. O-94-18; 08/13/18-eff. 01/01/19)



**Sec. 7.40.07. Inspection, Testing and Maintenance Records.**

In addition to the requirements described in Section 901.6.2 of the 2015 International Fire Code, all inspection, testing, and maintenance records shall be submitted to the Fire Prevention Division in an approved manor. (Ord. O-94-18; 08/13/18-eff. 01/01/19; Ord. No. O-63-23, 05/15/23)

**Sec. 7-40.1. Wood Trusses.**

Wood I-joists, open web joists and metal plate connected wood trusses may be used if they are protected from the underside. Approved protection methods include ½ inch drywall ceiling, sprinklers, or U.L. fire-rated drop ceiling system.

**Sec. 7-40.2. Automatic Sprinkler Systems – New Buildings.**

Approved automatic fire sprinkler system, installed in accordance with NFPA 13 and/or NFPA 13R, shall be installed in all new buildings and structures regardless of the materials used in construction and/or use group classification (as defined in the International Building Code). Sprinkler systems shall be equipped with electronically monitored water flow separation zone valves and drains that will provide a means to control the systems for each commercial unit and/or floor level in the case of a multi-story residential or commercial structure. These zone valves will not eliminate the requirement for the main riser flow switch. (Ord. 0-61-05, §1, 3/21/05, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-40.3. Fire Protection Systems – Existing Buildings.**

Requirements for existing buildings that are added to, repaired, have a change in occupancy or altered shall be determined per the International Existing Building Code, 2015 Edition or as required by adopted codes. (Ord. No. 0-70-13, §2, 6/10/13, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-40.3.5 Smoke Alarms Existing Buildings.**

Where the International Property Maintenance Code allows battery-only smoke alarms, all new single- and multiple –station battery-only smoke alarms shall have a self-contained, non-removable, long-term battery in accordance with 425 ILCS 60/1. (Ord. No. O-63-23, 05/15/23)

**Sec. 7-40.4. Fire Department Connections and Hydrants.**

- (a.) Location: Fire Department connections shall be located and be visible on a street front or in a location approved by the Fire Department. Such connections shall be located so that immediate access can be made by the Fire Department and within one hundred fifty (150) feet of a fire hydrant. Fire Department connections shall not be obstructed by fences, bushes, trees, walls or any other similar object.
- (b.) Private Fire hydrants.
  - (1) Design.
    - a. Fire hydrants shall match the hydrants generally installed in the village's water system and shall be furnished by a manufacturer considered standard by the village as specified in the supplement to the subdivision regulations.
    - b. Only breakaway hydrants shall be used.

- c. Each fire hydrant shall be the compression type with a five and one-fourth (5 ¼) inch minimum size main valve assembly, O-ring seals, two (2) two and one-half (2 ½) inch hose nozzles and a four and one-half (4 ½) inch pumper nozzle with National Standard threads, a National Standard operation nut, and a breakaway ground level flange, and conforming to the latest revised requirements of AWWA Specification C 502.
- d. Each hydrant shall be provided with a six (6) inch auxiliary gate valve and a two (2) foot length of six (6) inch pipe between the hydrant and valve.
  - i. Two (2) three-fourth (¾) inch threaded steel rods with hex nuts shall be installed to tie the auxiliary gate valve to the water main and connecting tee.
  - ii. Auxiliary valves shall be provided with valve boxes with covers marked "water".

(Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-40.5. Sprinkler System Monitoring and Alarms.**

- (a.) Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to the Palatine Fire Department remote receiving station as defined in NFPA 72.
- (b.) Strobe lights at the sprinkler connection: There shall be an electronic audio-visual device located on the exterior wall above all new fire department sprinkler and/or standpipe connections which shall activate when water is flowing. The device shall be specified for outdoor use (weatherproof) and must be visible from the street or driveway.

#### **Sec. 7-40.6. Standpipe Systems.**

- (a.) In buildings exceeding 10,000 square feet in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the building's interior area is more than 150 feet of travel, vertically and horizontally, from the nearest point of fire department vehicle access.
- (b.) Where the most remote portion of a floor or story is more than 150 feet from a hose connection, the fire prevention official is authorized to require that additional hose connections be provided in approved locations.

#### **Sec. 7-40.7. Fire Alarm and Detection Systems.**

All required fire alarm systems shall transmit trouble and fire signals directly to the Palatine Fire Department remote receiving station by a wireless transmitter in accordance with NFPA 72, only equipment certified and approved by the remote receiving station, and/or it's designated proprietor may be installed. (Ord. 0-61-05, §1, 3/21/05; Ord. 0-210-06, §4, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07, Ord. O-94-18; 08/13/18 eff. 01/01/19)

#### **Sec. 7-40.7.1 Commercial Cooking Suppression Systems.**

All new, upgraded or modified existing commercial kitchen hood equipment protected by an automatic fire suppression system as required by section 904 of the International Fire Code (IFC) shall have the system monitored electronically by an approved fire alarm installed per the requirements of



NFPA 72. The fire panel shall be a direct tie to the Palatine Fire Department per the requirements of this section. Audiovisual devices shall be installed; one in the kitchen area, and if applicable in the dining areas. (Ord. 0-25-08, §2, 2/19/08)

**Sec. 7-40.7.5 Clothes Dryer Exhaust.**

- a) Property/business owners of commercial properties shall inspect clothes dryer exhaust piping and ducts systems annually, or when an impairment is suspected. If during the inspection, it is found that an accumulation of lint or debris is present, the exhaust piping or duct systems shall be cleaned or replaced. Records of inspection and or cleaning shall be maintained by the property/business owner and provided to the Palatine Fire Prevention Division in an approved format on request.
- b) Property owner/association of multi-family occupancies shall have the clothes dryer common vent stack(s) inspected annually or when an impairment is suspected. If during the inspection, it is found that an accumulation of lint or debris is present, the common vent stack shall be cleaned. Records of inspection and or cleaning shall be maintained by the property owner/association and provided to the Palatine Fire Prevention Division in an approved format upon request.

(Ord. No. O-63-23, 05/15/23)

**Sec. 7-40.8. Curtain Boards and Smoke Venting Requirements.**

Curtain boards and smoke venting areas for Groups F-1 and S-1 as defined in the International Building Code, 2015 Edition shall not exceed 20,000 square feet. (Ord. 0-57-06, §5 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-40.8.01 Dedicated Sprinkler Riser Room.**

Dedicated sprinkler riser rooms shall be present for all new strip retail centers, speculative warehouses, or any other multiple family or tenant buildings. These rooms shall follow the specifications of IFC 901.4.6. In addition, such rooms shall:

- a) Be located on the ground floor in an approved location directly accessible from the exterior. The door shall be a minimum of 36" wide and labeled as the Sprinkler or Sprinkler / Alarm.
- b) Have a minimum of a 36" wide paved surface to provide access to the door.
- c) Be of a size that will allow a minimum of 36" clear space at the front and 18" on the remaining sides of all risers, 36-inch clearance in front of the fire alarm panel(s) and around all portions of the fire pump assembly. Permanent floor markings shall be provided to define said clear space.
- d) Be provided with lighting hard-wired to the building electrical system, emergency lighting, and hardwired permanent heat.
- e) Be monitored by a low temperature alarm tied to the fire alarm system.
- f) Have wall construction matching the demising wall construction for separation of tenant spaces.

**Sec. 7-40.9. Fire Department Access to Secured Buildings.**

- a) A “Knox” box(es), as approved by the Fire Prevention Division, shall be installed on all buildings with a required fire alarm system, and on any building where immediate access by the Fire Department is deemed necessary. The location(s) shall be approved by the Fire Prevention Division. The box(es) shall contain keys, properly identified, which allow access to all portions of the building. A three-foot wide clear and unobstructed path shall be provided and maintained to access the Knox box. (Ord. O-94-18; 08/13/18 eff. 01/01/19)

New apartment and condominium buildings shall provide an appropriately sized Knox box in an approved location inside the building, which the owner/resident can place a key in for emergency access to their unit. This Knox box is in addition to any required Knox box on the exterior of the building.

**Sec. 7-40.10. Reserved.**

(Ord. No. 0-127-09, §3, 11/16/09)

**Sec. 7-40.11. Special Emergency Electrical Wiring Requirements.**

Structures thirty-five feet in height and/or four stories and higher shall be provided with non-energized wiring to provide emergency power for firefighting and other fire department use. Non-energized interconnected outlets shall be located in each stairwell and at each floor level including the ground level.

- (a) Provide a National Electrical Manufacture’s Association approved red exterior grade male twist lock receptacle, compatible with the fire department cords and generators, and a weather tight snap cover adjacent to the Fire Department siamese connection, on the outside of the building. The location shall be approved by the Fire Prevention Division and not obstruct access to the siamese connection. (Ord. O-94-18; 08/13/18 eff. 01/01/19)
- (b) Provide a National Electrical Manufacture’s Association approved red exterior grade female twist lock receptacle, compatible with the fire department cords and generators, and with weather tight cover in each stairwell, at each floor level.
- (c) If the required receptacles are not flush mounted, waterproof boxes must be provided.
- ~~(d)~~ Structures up to one hundred feet in height shall be wired with a minimum of #8 gauge wire in
- (d)  $\frac{3}{4}$  inch conduit. Structures over one hundred feet in height shall be wired with a minimum of #6 gauge wire in 1 inch conduit. The conduit must be properly grounded to the neutral wire.
- (e) Conduit concealed within a wall can be thin wall; heavy wall conduit must be used if the conduit is exposed.
- (f) Wiring shall be three pole, 3-wired grounded circuit conforming to the National Electrical Code.
- (g) The plug shall be a standard 20 amp twist lock, L520P (Male) and L520C (Female). (Ord. No. 0- 23-10, §1, 3/15/10, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-41. Regular Fire and Life Safety Inspections.**

It shall be the responsibility of the Fire Prevention Division to conduct regular fire and life safety inspections in all buildings or business types (except single-family and two-family homes). The purpose of these inspections is to ensure a reasonable level of life safety and protection of property from the hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures,



and premises, and to provide safety to fire fighters and emergency responders during emergency operations. All violations shall be corrected within thirty (30) days of the initial inspection. Those conditions determined to be imminent life safety hazards shall be corrected immediately. Fees related to the Regular Fire and Life Safety Inspections shall be included in the Village's Fee Schedule. In addition to the applicable inspection fees, citations may be issued to building and/or business owners for any violations that have not been corrected.

**Sec. 7-42. Same--Copies to be on File.**

The Fire Prevention Division shall keep a copy of said codes on file in their office. (Code 1961, 6.205; Ord. 0- 200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-43. AutoCAD Drawing.**

Any persons submitting plans for a new building, addition to, or remodel of an existing building, shall submit an AutoCAD file of the base plans at the time of permit application. (Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Secs. 7-44--7-50. Reserved.**

(Ordinance O-63-23, 05/15/23)

**DIVISION 2. FIRE PREVENTION DIVISION**

**Sec. 7-51. Power of Fire Chief to Designate.**

The Chief of the Fire Department shall designate such members of the Fire Department as he or she deems necessary to serve as a Fire Prevention Division for the Village. (Code 1961, 6.203;

(Ord. 0-210-06, §5, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07; Ordinance O-63-23, 05/15/23)

**Secs. 7-52--7-60. Reserved.**

**DIVISION 3. FIRE LANES**

**Sec. 7-61. Defined.**

For purposes of this division "fire lane" shall mean any public street, alley, driveway, roadway or easement of access, or with the consent of the owner, any privately-owned street, alley, driveway, roadway or easement of access which is to be maintained free from obstruction so as to provide ready access for fire fighting vehicles and equipment. (Code 1961, 6.301)

**Sec. 7-62. Established.**

Fire lanes may be established from time to time at locations designated by the Mayor and Village Council by ordinance. (Code 1961, 6.302)

**Sec. 7-63. Parking Prohibited.**

It shall be unlawful to park in or otherwise block or obstruct any portion of the fire lanes so designated at any time. Signs shall be erected to identify such fire lanes and to serve notice that parking is prohibited therein. (Code 1961, 6.303)

## DIVISION 4. FLAMMABLE LIQUIDS

**Sec. 7-64. Illinois Gasoline Storage Act.**

There is hereby adopted the Regulations contained in the Illinois Gasoline Storage Act as amended from time to time. (430 ILCS 15/2).

**Sec. 7-65. Notification of State Inspections Required.**

The Owner or Operator of an underground storage tank system or any person removing or installing such a system shall provide notice to the Fire Department of said activity within 24 hours of scheduling said activity with the State Fire Marshall.

**Sec. 7-66. Above Ground Storage Tanks.**

All above ground flammable/combustible storage tanks shall meet the requirements outlined in the International Fire Code Section 5704.

**ARTICLE IV. ENFORCEMENT AND PENALTIES****Sec. 7-67. Stop Work Order.**

(a) It shall be unlawful for any owner, agent, contractor, subcontractor or builder engaged in developing property pursuant to a permit issued by the Village to make any departure from or violate:

- (i) Any ordinance or code of the Village;
- (ii) Any conditions attached to a special use ordinance, planned unit development ordinance, variation, or annexation agreement;
- (iii) Any federal, state or other local law or ordinance;
- (iv) Commit any fraud or make any misrepresentation or false statement in an application for a license or permit; or
- (v) Cause a nuisance or danger to the public health, safety or welfare.

Any such departure from or violation of such ordinance, code, condition or threat to the public welfare or law shall operate to void the permit which has been issued for such work.

(b) The Manager, Fire Marshal or their designee without delay, shall issue a stop work order directing that all persons engaged in the work permitted under the permit shall cease and desist immediately until such time as the Manager, Fire Marshal or their designee has either received satisfactory evidence that the work to be performed will be done in accordance with such ordinance, codes, conditions, laws or the public welfare until the Corporate Authorities have acted on the matter pursuant to either paragraph (c) or (d).

(c) The Manager may refer the matter of continuing the stop work order to the Corporate Authorities for further proceedings. The Corporate Authorities shall have the authority to:



- (i) Continue in effect the stop work order;
  - (ii) Lift the stop work order;
  - (iii) Impose additional requirements as conditions to lifting the stop work order; and/or
  - (iv) Any other relief consistent with the public welfare.
- (d) Any person aggrieved by the decision of the Manager in regard to the issuance of a stop work order or refusal to rescind the same shall have the right to appeal to the Corporate Authorities. Such appeal shall be taken by filing with the Manager, within five days after receipt of a stop work order or after the Manager's refusal to rescind such an order, a written statement under oath setting forth specifically the grounds for appeal. The Corporate Authorities shall appoint a hearing body to be composed of the Mayor or the Mayor's designee and two Council Members who shall thereupon set the time and place for a hearing of such appeal and notice of such hearing shall be given to the appellant. The hearing body shall make a recommendation to the Corporate Authorities which shall render a decision on such appeal which shall be final. Any appeal from a decision of the Corporate Authorities shall be made directly to the Circuit Court of Cook County pursuant to the Administrative Review Act (735 ILCS 5/3-101, *et seq.*).
- (e) All costs and expenses including but not limited to court reporter's fees and attorneys' fees incurred by the Village in connection with any appeal of a stop work order shall be taxed to the appellant and shall be paid by the appellant as a condition to reinstatement of the permit.
- (f) The authority to issue a stop work order shall be in addition to any other relief available to the Village.

**Sec. 7-68. Penalties.**

Any person, firm or corporation who violates, disobeys, omits, neglects, or refuses to comply with, or who resists the enforcement of any of the provisions of this ordinance, shall, upon conviction, be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for such offense, and a separate offense shall be deemed committed on each day during or which a violation occurs or continues.

**ARTICLE V. AMBULANCE AND EMERGENCY RESPONSE SERVICE FEES**

(Editor's Note: Ord. No. O-204-06 passed on December 4, 2006, replaced Sec. 7-80 in its entirety.)  
(Editor's Note: Ord. No. O-49-17 passed on April 17, 2017, added Sections 7-82 and 7-83)

**Sec. 7-80. Ambulance Service Fees.**

The Village of Palatine shall charge a user service fee for transport by Fire Department ambulances as provided in the fee schedule supplement to the Palatine Code of Ordinances.

(Ord. O-121-17, 12/4/17)

**Sec. 7-81. Billing and Collection of Ambulance Service Fees.**

Billing and collection of fees for ambulance service shall be done by, or caused to be done by, the Village Manager or his or her designee.

**Sec. 7-82. Other Emergency Response Service Fees.**

The Village of Palatine shall charge a user service fee for emergency response by the Fire Department as provided in the fee schedule supplement to the Palatine Code of Ordinances.

**Sec. 7-83. Billing and Collection of Emergency Response Service Fees.**

Billing and collection of fees for emergency responses by the Fire Department shall be done by, or caused to be done by the Village Manager or his or her designee.



**Chapter 7 FIRE PREVENTION AND PROTECTION\***

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**\*Cross reference(s)**--Police and fire commission, Ch. 2, Art. XX; police pension board, Ch. 2, Art. XXI; firemen's pension fund, Ch. 2, Art. XXII; buildings and building regulations, Ch. 6; garbage and refuse, Ch. 8; housing, Ch. 10; false fire alarms prohibited, 12-8; firefighting appliances required in public buildings, 12-116  
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**Editor's Note:** Chapter 7 was replaced by Ord. No. 0-13-99 passed on February 22, 1999.

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**Editor's Note:** Article III was replaced in its entirety by Ord. No. 0-84-02, passed on May 28, 2002 with an effective date of July 1, 2002.  
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**Editor's Note:** A new Article V. Ambulance Service Fees was added by Ord. 0-132-03, passed on June 2, 2003, effective July 1, 2003  
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**Editor's Note:** Chapter 7 was replaced in its entirety by Ord. 0-200-07, passed on December 3, 2007, retroactive to January 1, 2007.  
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|------------------|---------------------------------------------------------------------------------|
| <b>Art. I.</b>   | <b>In General, §§ 7-1--7-15</b>                                                 |
| <b>Art. II.</b>  | <b>Fire Department, §§ 7-16--7-37</b>                                           |
| <b>Art. III.</b> | <b>Fire Prevention, §§ 7-38--7-66</b>                                           |
|                  | Div. 1. Codes, §§ 7-41--7-50                                                    |
|                  | Div. 2. Fire Prevention Division, §§ 7-51--7-60                                 |
|                  | Div. 3. Fire Lanes, §§ 7-61--7-63                                               |
|                  | Div. 4. Flammable Liquids, §§ 7-64--7-66                                        |
| <b>Art. IV.</b>  | <b>Enforcement and Penalties, §§ 7-67--7-68</b>                                 |
| <b>Art. V.</b>   | <b>Ambulance and Emergency Response Service Fees, §§ 7-80--7-81; 7-82--7-83</b> |

**ARTICLE I. IN GENERAL****Sec. 7-1. Enforcement of Chapter Provisions.**

It shall be the duty of all police officers of the village to see that provisions of this chapter are enforced and to arrest on view any person who shall be found violating any of the provisions of this chapter, or who shall hinder, resist or refuse to obey any officer of the fire department in the discharge of his or her duty. Whoever shall willfully or negligently break, deface, or in any manner injure any fire engine, hose equipment or other fire apparatus belonging to the village or shall remove any such part of such engine or other fire apparatus or in any manner interfere with the same when being used by fire department personnel shall be legally charged. It shall be unlawful for any person to enter fire stations or any place where equipment or apparatus of the fire department is stored at any time, except on business pertaining to the fire department or other village business. (Ord. No. O-107-76, § 1, 12-13-76)

**Editor's note**--(Ord. No. O-107-76, § 1, amended Ch. 7 by adding provisions designated as § 7-29. The editors re-designated such provisions as § 7-1 for purposes of classification.

**Sec. 7-2. Reserved.**

**Editor's note**--Ord. No. O-88-91, § 1, adopted June 24, 1991, deleted § 7-2, which pertained to agreements for fire and paramedic services with state and federal facilities, and derived from Ord. No. O-180-88, §1, adopted Dec. 27, 1988.

**Secs. 7-3--7-15. Reserved.**

**ARTICLE II. FIRE DEPARTMENT\***

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**\*Editor's note**--Ord. No. O-107-76, § 1, enacted Dec. 13, 1976, repealed former Art. II, § 7-16--7-28, relative to the fire department, and enacted in lieu thereof a new Art. II pertaining to the same subject matter. Formerly Art. II was derived from Code 1961, § 6.107--6.112; Ord. No. O-101-74, § 2, adopted Dec. 30, 1974; and Ord. No. O-46-76, § 1, adopted April 29, 1976.

**Cross reference(s)** Fire and Police Commission, Ch. 2, Art. XX; Firemen's Pension Fund, Ch. 2, Art. XXII.

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**Editor's Note:** Ordinance 0-16-02 passed on 1/28/02 replaced Secs. 7-16 through 7-18.  
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**Sec. 7-16. Creation; Composition.**

There is hereby created a Fire Department for the Village of Palatine which shall consist of the Fire Chief and as many employees as the Corporate Authorities may designate from time to time. (Ord. No. O-107-76, ' 1, 12-13-76) (Ord. 0-16-02, §2, 1/28/02; Ord. 0-210-06, §1, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-17. Appointment and Removal of Fire Chief.**

The Fire Chief shall be appointed by the Village Manager. The Fire Chief shall serve at the pleasure of the Village Manager and may be removed by the Village Manager at any time thereafter. (Ord. No. O-107-76, ' 1, 12-13-76; Ord. No. O-48-78, ' 1, 6-12-78) (Ord. 0-16-02, §2, 1/28/02; Ord. 0-210-06, §1, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-18. Supervision and Control of the Fire Chief.**

The Village Manager shall be the immediate supervisor of the Fire Chief, and all policies, directives and orders from the Village government to the Fire Chief shall be made by or transmitted through the Village Manager as the chief administrative officer of the Village government. The Fire Chief shall report directly to the Village Manager and not to the Corporate Authorities or to individual members thereof. (Ord. No. O- 107-76, ' 1, 12-13-76) (Ord. 0-16-02, §2, 1/28/02)

**Sec. 7-19. Powers and Duties of the Fire Chief Generally.**

The Fire Chief shall direct the administration and operations of the fire department, and in addition to policies transmitted to the Fire Chief by the Village Manager, shall establish such other policies, directives, rules and regulations and operations of the fire department as determined by the Fire Chief, and provided in written or electronic form to all employees. The Fire Chief shall serve as appointing authority for appointments to the positions of Deputy Chief, Division Chief, Battalion Chief, Engineer, and the Fire Marshal and shall have the power to suspend, demote, or dismiss any employee, with the concurrence of the Village Manager, consistent with the provisions of this Code governing the Fire and Police Commission, Chapter 2, Article XX, the Village work rules, and the collective bargaining agreement between the Village of Palatine and the Local 4588. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. 0-210-06, §2, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)



**Sec. 7-20. Civil Service Exempt Command Positions.**

The Fire Chief, with the concurrence and the approval of the Village Manager, shall have the authority to recruit and appoint individuals to civil service exempt command positions within the Fire Department including the position of Deputy Chief, Division Chief, Battalion Chief, and the Fire Marshal. Civil service exempt command positions will not have certified status and rights. Individuals appointed to exempt command positions shall serve at the pleasure of the Fire Chief and may be removed by the Fire Chief at any time with the concurrence of the Village Manager. If an individual is appointed to such a position who holds certified status within the Fire Department in another position, the individual shall retain a guaranteed right to return to the former position with the certified status upon termination from the exempt command position, subject to section 2-380 of this Code. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-21. Dismissals.**

No full time, certified member of the Fire Department shall be dismissed until after a hearing by the Fire and Police Commission, in accordance with its rules and the provisions of Chapter 13 of this Code and the collective bargaining agreement between the Village of Palatine and the Local 4588. With the consent of the Village Manager, the Fire Chief, without the requirement of a hearing, shall have the power to dismiss a firefighter who is serving in an original appointment probationary period. (Ord. No. O-17-76, § 1, 12-13-76)

**Sec. 7-22. Rules and Regulations.**

The Fire Chief shall make, prescribe, publish, and enforce rules and regulations for the guidance of the members of the Fire Department. Such rules shall be binding on all members of the Fire Department. The Fire Chief may change such rules from time to time as circumstances warrant. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-23. Supervision over Department and Equipment.**

The Fire Chief shall have the control, subject to the order and direction of the Village Manager, of the Fire Department and all fire and emergency services apparatus belonging to the Village. Whenever any fire apparatus needs repair, the Fire Chief or his or her designee shall order repair to be done without delay. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. 0-210-06, §3, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-24. Incident Command.**

The Fire Chief or his or her designee shall designate an on-duty member of the Fire Department to assume the Shift Commander position. The Shift Commander shall take command of the emergency incident and direct the members thereof in the best manner possible. The officer in command at a fire/emergency incident, may cause buildings to be removed, torn down, or destroyed when he deems it necessary to do so in the interests of safety. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-25. Records.**

The Fire Chief or his or her designee shall keep or cause to be kept a record of the attendance of the members and record of all fire and emergency medical calls in accordance with the standards established and enforced by the Local Records Commission. (Ord. No. O-107-76, § 1, 12-13-76)

**Sec. 7-26. Duties of Fire Department Generally.**

It shall be the function and duty of the Fire Department and every member thereof to extinguish intentional and accidental destructive fires and to prevent the occurrence or spread of such fires. Duty assignments, including emergency medical services duties, fire suppression-related duties, special rescue duties, public education, and fire prevention, shall be made for members of the Fire Department by the Fire Chief. All such duty assignments shall be at the discretion of the Fire Chief with concurrence by the Village Manager, not to exceed an average of 50.15 hours per week without overtime remuneration according to established rules. (Ord. No. O-107-76, § 1, 12-13-76; Ord. No. O-

59-83, § 1, 9-12-83; Ord. No. 0-210-06, §4, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07; Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-27. Obedience to Orders.**

Any firefighter in attendance at a fire, or other emergency incident, who shall neglect or refuse to obey the order of the officer in command at such emergency incident, may be suspended or dismissed by the Fire Chief or his or her designee, consistent with the provisions of this Code governing the Fire and Police Commission, and the collective bargaining agreement between the Village of Palatine and the Local 4588. Chapter 2, Article XX. (Ord. No. O-107-76, § 1, 12-13-76)

#### **Secs. 7-28--7-37. Reserved.**

(Ordinance No. O-63-23, 05/15/23)

### **ARTICLE III. FIRE PREVENTION\***

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 \* **Cross reference(s)**--Burning of refuse, etc. prohibited, § 8-4; open fires prohibited, § 12-4; Prohibited except in fireplace; § 12-42; Grass fires: permit required, 12-43 Regulations, Chapter 12 Article III, IV and VII, Appendix B 6.06 (c). Addressing, Appendix B 8.06 (d) Fire Hydrants, 12-41; grass fires prohibited, § 12-42.  
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**Editor's Note:** Article III was replaced in its entirety by Ord. No. 0-84-02, §§4-6, passed on May 28, 2002 with an effective date of July 1, 2002.  
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#### **DIVISION 1. CODES**

**State law reference(s)**--Power to incorporate technical codes by reference, 50ILCS220/1.

#### **Sec. 7-38. Minimum Standards.**

(a) The following list of codes, subsequent supplements, and Palatine amendments are hereby adopted by reference:

- (1) Life Safety Code, NFPA 101, 2015 Edition.
- (2) International Fire Code, 2015 Edition (with noted amendments). (Ord. 0-57-06, §1, 3/20/06, eff. 6/1/06; Ord. 0-70-11, §1, 6/20/11, Ord O-94-18; 08/13/18-eff. 01/01/19)
  - (a) Appendix C Fire Hydrant Locations and Distributions
  - (b) Appendix D, Fire Apparatus Access
  - (c) Appendix I, Fire Protection Systems – Noncompliant Conditions
  - (d) Appendix J, Building Information Sign

- (3) 2018 NFPA 1 Section 50.7

#### **Sec. 7-39. International Fire Code, 2015 Edition.**

The International Fire Code, 2015 Edition, is hereby adopted with the following amendments: (Ord. 0-57-06, §2, 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11, Ord. O-94-18, 08/13/18-eff. 01/01/19)



**Sec. 7-39.01. Board of Appeals.**

Section 108 shall be deleted (Ord. O-94-18, 08/13/18-eff. 01/01/19)

**Sec. 7-39.1. Open Burning.**

Section 308.1.4 Open-flame cooking devices; shall be deleted in its entirety. (Ord. No. 0-70-13, §1, 6/10/13)

**Sec. 7-39.2. Vacant Premises.**

Section 311.2.2 Fire protection in vacant buildings; delete all exceptions.

**Sec. 7-39.3. Fire Alarm and Detection Systems.**

Delete the exceptions in the following sections as noted: 907.2.1, delete exception; 907.2.2, delete exception; 907.2.4, delete exception; 907.2.6, delete exception; 907.2.6.1, delete both exceptions; 907.2.7, delete exception; 907.2.8.1, delete exception 2; 907.2.9, delete exception 2.

(a) In all buildings where fire sprinklers and/or fire alarms are required interior horn/strobe units, and exterior strobe(s) tied to a smoke detector shall be installed. This requirement includes existing buildings and units of all use classifications when there is a tenant change or interior build-out. All devices shall be installed per the requirements of NFPA 72. (Ord. 0-57-06, §3, 3/20/06, eff. 6/1/06)

**Section 7-39.4. Fireworks****Sec. 7-39.4.1. Definitions.**

“Fireworks” means and includes any explosive composition, or any substance or combination of substances, or article prepared for the purpose of producing a visible or audible effect of a temporary exhibitional nature by explosion, combustion, deflagration or detonation, and shall include blank cartridges, toy cannons in which explosives are used, the type of balloons which require fire underneath to propel the same, firecrackers, torpedoes, skyrockets, roman candles, bombs, sparklers or other fireworks of like construction and any fireworks containing any explosive compound, or any tablets or other device containing any explosive substances, or containing combustible substances producing visual effects; provided, however, that the term “fireworks” shall not include snake or glowworm pellets; smoke devices; trick noisemakers known as “party poppers”, “booby traps”, “snappers”, “trick matches”, “cigarette loads”, and “auto burglar alarms”; or toy pistols, toy canes, toy guns, or other devices in which paper caps containing twenty-five hundredths grains or less of explosive compound are used, providing they are so constructed that the hand cannot come in contact with the cap when in place for the explosion, and toy pistol paper caps which contain less than twenty-hundredths grains of explosive mixture. (Code 1961, §24.102; Ord. 0-69-13 §2, 6/10/13; Ord. No. O-63-23, 05/15/23)

**Sec. 7-39.4.2 Prohibitions.**

No person shall have, keep, store, use, manufacture, assemble, mix, sell, discharge, handle, or transport any fireworks; provided, however, that nothing in this section shall be held to apply to the possession or use of signaling devices for current daily consumption by railroads. (Code 1961, §24.103; Ord. 0-49-05, §1, 3/14/05; Ord. 0-69-13 §2, 6/10/13; Ord. No. O-63-23, 05/15/23)

*Section 5601.1.3 of the 2015 Edition International Fire Code shall be amended to read as follows:*  
(Ord. 0-57-06, §4, 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11; Ord O-94-18, 08/13/18 eff. 01/01/19)

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling and use of fireworks, including sparklers, are prohibited.

*Exceptions:*

1. Storage and handling of fireworks as permitted in Section 5604.
2. Manufacture, assembly and testing of fireworks as permitted in Section 5605.

3. The use of fireworks for display as permitted in Section 5608.
4. The possession, storage, sale, handling and use of specific types of Division 1.4g fireworks where allowed by applicable local or state laws, ordinances and regulations provided such fireworks comply with CPSC 16 CFR, parts 1500-1507, and DOT 49 CFR, parts 100-178, for consumer fireworks.

(Ord. 0-98-05, §1, 5/16/05; Ord. O-94-18, 08/13/18-eff. 01/01/19)

#### **Sec. 7-39.4.3. Penalties.**

Any person who violates any provision of Section 7-39.4.2 shall be fined not less than seventy-five dollars (\$75.00) nor more than seven hundred fifty dollars (\$750.00). (Code 1961, §24.106; Ord. 0-49-05, §2, 3/14/05; Ord. 0-69-13 §2, 6/10/13; Ord. O-124-17, 12/4/17)

#### **Sec. 7-39.5. Indoor Pyrotechnic Displays.**

Indoor pyrotechnic displays shall not be allowed.  
(Ord. 0-25-08, §2, 2/19/08)

#### **Sec. 7-39.6. Application for Outdoor Pyrotechnical Displays.**

a) The firing or shooting off of any fireworks shall be permitted upon the issuance of a permit by the Fire Prevention Division and shall have been granted and permitted by the Village Manager prior to issuance of a permit. (Ordinance O-63-23, 05/15/23)

b) All outdoor fireworks displays shall be electronically fired from an approved electronic firing unit, and all fireworks displays shall comply with the NFPA 1123, 2014 edition. (Ord. No. 0-69-13 §1, 6/10/13; Ord. O-94-18; 08/13/18-eff. 01/01/19; Ord. No. O-63-23, 05/15/23)

c) Application for permits for the discharge of fireworks or for pyrotechnical displays shall be in writing to the Fire Prevention Division; submitted thirty (30) days in advance of the show date and shall include a scaled diagram of the location where the exhibition will be held; drawings to include the location and distances of all buildings, roadways, overhead wires and obstructions, audience viewing areas, and projected fall out areas for aerial rocket debris, and a copy of the pyro-technicians State and Federal licenses.

The Fire Prevention Division shall upon receipt of such applicant's permit refer the same to the Chief of Police and the Chief of the Fire Department who shall have an inspection made of the premises at the location given in said application where it is proposed to give such public display of fireworks, and if in the judgment of the Chief of Police and the Chief of the Fire Department it would not be hazardous to surrounding property or dangerous to any person or persons to permit such public display of fireworks at such location, they shall approve such application and return the same to the Fire Prevention Division, and in turn the approved application shall be forwarded to the Village Manager for final consideration. The permit will be issued by the Fire Prevention Division on the day of the event, after an inspection of the site, equipment, and product has been approved. Such permits shall designate the kinds and quantities of fireworks to be used at such public display, and no other kinds and no greater quantities of fireworks than therein specified shall be used at such public display. (Ord. No. 0-69-13 §1, 6/10/13)

#### **Sec. 7-39.7. Insurance Requirements.**

No pyrotechnical exhibition shall be held unless the proprietor thereof or pyrotechnic company has in force a public liability insurance policy in the amount of at least five million dollars (\$5,000,000) listing the Village as an additional insured party; a certificate showing such insurance shall be filed



with the Village Manager at least fifteen days (15) days prior to such exhibitions; or other documentation as required by the Village. In addition to the Certificate of Insurance, the pyrotechnic company must provide any necessary endorsements within at least fifteen days (15) days prior to such exhibitions. (Ord. No. 0-69-13 §1, 6/10/13; Ord. No. O-63-23, 05/15/23)

**Sec. 7-39.8. Nitro-glycerine; T.N.T. Prohibited; Exception; Storage Limit.**

It shall be unlawful to keep or store any nitro-glycerine or the explosive commonly known as T.N.T. in the village in any quantities, excepting for medicinal or laboratory purposes and for such purposes no more than one-quarter (1/4) ounce shall be stored in any one (1) building or premises. (Ord. No. 0-69-13 §1, 6/10/13)

**Sec. 7-39.9. Rules of State Fire Marshal to Govern.**

All explosives must be kept or stored in accordance with the rules of the State Fire Marshal, subject to the provisions of this article. (Ord. No. 0-69-13 §1, 6/10/13)

**Sec. 7-39.10. Reserved.**

**Sec. 7-39.11. Deleted Articles.**

The following articles in NFPA 1123, 2014 edition shall be deleted:

8.1.6.2 Delete this article entirely

8.2.6 Delete this article entirely

8.2.9.2.2 Delete this article entirely

(Ord. No. 0-69-13 §1, 6/10/13, Ord. O-94-18, 08/13/18-effective 01/01/19)

**Sec. 7-39.12. Tents and Membrane Structures.**

In addition to the requirements found in the International Fire Code related to Tent and Membrane Structures, these shall apply:

- a) Tents and Membrane Structures erected on streets or parking lots shall have barriers to deter vehicle impact as defined in the IFC 312.3.
- b) Tents and Membrane Structures shall display a sign(s) stating “In the Event of Severe Weather, Evacuate Tent and Seek Shelter”. Sign shall be a minimum of 2 feet by 2 feet.

(Ord. No. O-63-23, 05/15/23)

**Sec. 7-40. Fire Protection.**

**Sec. 7-40.05. Sprinkler Design Safety Factor.**

Sprinkler systems for NFPA 13 systems shall be designed with a minimum safety factor of 5 psi provided between the available water supply and the system flow and pressure demand and shall include hose stream allowances required by NFPA 13, 13D, and 13R. (Ord. O-94-18; 08/13/18-eff. 01/01/19)

**Sec. 7.40.07. Inspection, Testing and Maintenance Records.**

In addition to the requirements described in Section 901.6.2 of the 2015 International Fire Code, all inspection, testing, and maintenance records shall be submitted to the Fire Prevention

Division in an approved manor. (Ord. O-94-18; 08/13/18-eff. 01/01/19; Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-40.1. Wood Trusses.**

Wood I-joists, open web joists and metal plate connected wood trusses may be used if they are protected from the underside. Approved protection methods include ½ inch drywall ceiling, sprinklers, or U.L. fire-rated drop ceiling system.

#### **Sec. 7-40.2. Automatic Sprinkler Systems – New Buildings.**

Approved automatic fire sprinkler system, installed in accordance with NFPA 13 and/or NFPA 13R, shall be installed in all new buildings and structures regardless of the materials used in construction and/or use group classification (as defined in the International Building Code). Sprinkler systems shall be equipped with electronically monitored water flow separation zone valves and drains that will provide a means to control the systems for each commercial unit and/or floor level in the case of a multi-story residential or commercial structure. These zone valves will not eliminate the requirement for the main riser flow switch. (Ord. 0-61-05, §1, 3/21/05, Ord. O-94-18; 08/13/18 eff. 01/01/19)

#### **Sec. 7-40.3. Fire Protection Systems – Existing Buildings.**

Requirements for existing buildings that are added to, repaired, have a change in occupancy or altered shall be determined per the International Existing Building Code, 2015 Edition or as required by adopted codes. (Ord. No. 0-70-13, §2, 6/10/13, Ord. O-94-18; 08/13/18 eff. 01/01/19)

#### **Sec. 7-40.3.5 Smoke Alarms Existing Buildings.**

Where the International Property Maintenance Code allows battery-only smoke alarms, all new single- and multiple –station battery-only smoke alarms shall have a self-contained, non-removable, long-term battery in accordance with 425 ILCS 60/1. (Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-40.4. Fire Department Connections and Hydrants.**

- (a.) Location: Fire Department connections shall be located and be visible on a street front or in a location approved by the Fire Department. Such connections shall be located so that immediate access can be made by the Fire Department and within one hundred fifty (150) feet of a fire hydrant. Fire Department connections shall not be obstructed by fences, bushes, trees, walls or any other similar object.

- (b.) Private Fire hydrants.

##### **(1) Design.**

- a. Fire hydrants shall match the hydrants generally installed in the village's water system and shall be furnished by a manufacturer considered standard by the village as specified in the supplement to the subdivision regulations.
- b. Only breakaway hydrants shall be used.
- c. Each fire hydrant shall be the compression type with a five and one-fourth (5 ¼) inch minimum size main valve assembly, O-ring seals, two (2) two and one-half (2 ½) inch hose nozzles and a four and one-half (4 ½) inch pumper nozzle with National Standard threads, a National Standard operation nut, and a breakaway



ground level flange, and conforming to the latest revised requirements of AWWA Specification C 502.

- d. Each hydrant shall be provided with a six (6) inch auxiliary gate valve and a two (2) foot length of six (6) inch pipe between the hydrant and valve.
  - i. Two (2) three-fourth (3/4) inch threaded steel rods with hex nuts shall be installed to tie the auxiliary gate valve to the water main and connecting tee.
  - ii. Auxiliary valves shall be provided with valve boxes with covers marked "water".

(Ord. No. O-63-23, 05/15/23)

#### **Sec. 7-40.5. Sprinkler System Monitoring and Alarms.**

- (a.) Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to the Palatine Fire Department remote receiving station as defined in NFPA 72.
- (b.) Strobe lights at the sprinkler connection: There shall be an electronic audio-visual device located on the exterior wall above all new fire department sprinkler and/or standpipe connections which shall activate when water is flowing. The device shall be specified for outdoor use (weatherproof) and must be visible from the street or driveway.

#### **Sec. 7-40.6. Standpipe Systems.**

- (a.) In buildings exceeding 10,000 square feet in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the building's interior area is more than 150 feet of travel, vertically and horizontally, from the nearest point of fire department vehicle access.
- (b.) Where the most remote portion of a floor or story is more than 150 feet from a hose connection, the fire prevention official is authorized to require that additional hose connections be provided in approved locations.

#### **Sec. 7-40.7. Fire Alarm and Detection Systems.**

All required fire alarm systems shall transmit trouble and fire signals directly to the Palatine Fire Department remote receiving station by a wireless transmitter in accordance with NFPA 72, only equipment certified and approved by the remote receiving station, and/or it's designated proprietor may be installed. (Ord. 0-61-05, §1, 3/21/05; Ord. 0-210-06, §4, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07, Ord. O-94-18; 08/13/18 eff. 01/01/19)

##### **Sec. 7-40.7.1 Commercial Cooking Suppression Systems.**

All new, upgraded or modified existing commercial kitchen hood equipment protected by an automatic fire suppression system as required by section 904 of the International Fire Code (IFC) shall have the system monitored electronically by an approved fire alarm installed per the requirements of NFPA 72. The fire panel shall be a direct tie to the Palatine Fire Department per the requirements of this section. Audiovisual devices shall be installed; one in the kitchen area, and if applicable in the dining areas. (Ord. 0-25-08, §2, 2/19/08)

**Sec. 7-40.7.5 Clothes Dryer Exhaust.**

- a) Property/business owners of commercial properties shall inspect clothes dryer exhaust piping and ducts systems annually, or when an impairment is suspected. If during the inspection, it is found that an accumulation of lint or debris is present, the exhaust piping or duct systems shall be cleaned or replaced. Records of inspection and or cleaning shall be maintained by the property/business owner and provided to the Palatine Fire Prevention Division in an approved format on request.
- b) Property owner/association of multi-family occupancies shall have the clothes dryer common vent stack(s) inspected annually or when an impairment is suspected. If during the inspection, it is found that an accumulation of lint or debris is present, the common vent stack shall be cleaned. Records of inspection and or cleaning shall be maintained by the property owner/association and provided to the Palatine Fire Prevention Division in an approved format upon request.

(Ord. No. O-63-23, 05/15/23)

**Sec. 7-40.8. Curtain Boards and Smoke Venting Requirements.**

Curtain boards and smoke venting areas for Groups F-1 and S-1 as defined in the International Building Code, 2015 Edition shall not exceed 20,000 square feet. (Ord. 0-57-06, §5 3/20/06, eff. 6/1/06, Ord. 0-70-11, §1, 6/20/11, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-40.8.01 Dedicated Sprinkler Riser Room.**

Dedicated sprinkler riser rooms shall be present for all new strip retail centers, speculative warehouses, or any other multiple family or tenant buildings. These rooms shall follow the specifications of IFC 901.4.6. In addition, such rooms shall:

- a) Be located on the ground floor in an approved location directly accessible from the exterior. The door shall be a minimum of 36" wide and labeled as the Sprinkler or Sprinkler / Alarm.
- b) Have a minimum of a 36" wide paved surface to provide access to the door.
- c) Be of a size that will allow a minimum of 36" clear space at the front and 18" on the remaining sides of all risers, 36-inch clearance in front of the fire alarm panel(s) and around all portions of the fire pump assembly. Permanent floor markings shall be provided to define said clear space.
- d) Be provided with lighting hard-wired to the building electrical system, emergency lighting, and hardwired permanent heat.
- e) Be monitored by a low temperature alarm tied to the fire alarm system.
- f) Have wall construction matching the demising wall construction for separation of tenant spaces.

**Sec. 7-40.9. Fire Department Access to Secured Buildings.**

- a) A "Knox" box(es), as approved by the Fire Prevention Division, shall be installed on all buildings with a required fire alarm system, and on any building where immediate access by the Fire Department is deemed necessary. The location(s) shall be approved by the Fire Prevention



Division. The box(es) shall contain keys, properly identified, which allow access to all portions of the building. A three-foot wide clear and unobstructed path shall be provided and maintained to access the Knox box. (Ord. O-94-18; 08/13/18 eff. 01/01/19)

New apartment and condominium buildings shall provide an appropriately sized Knox box in an approved location inside the building, which the owner/resident can place a key in for emergency access to their unit. This Knox box is in addition to any required Knox box on the exterior of the building.

**Sec. 7-40.10. Reserved.**

(Ord. No. 0-127-09, §3, 11/16/09)

**Sec. 7-40.11. Special Emergency Electrical Wiring Requirements.**

Structures thirty-five feet in height and/or four stories and higher shall be provided with non-energized wiring to provide emergency power for firefighting and other fire department use. Non-energized interconnected outlets shall be located in each stairwell and at each floor level including the ground level.

- (a) Provide a National Electrical Manufacture's Association approved red exterior grade male twist lock receptacle, compatible with the fire department cords and generators, and a weather tight snap cover adjacent to the Fire Department siamese connection, on the outside of the building. The location shall be approved by the Fire Prevention Division and not obstruct access to the siamese connection. (Ord. O-94-18; 08/13/18 eff. 01/01/19)
- (b) Provide a National Electrical Manufacture's Association approved red exterior grade female twist lock receptacle, compatible with the fire department cords and generators, and with weather tight cover in each stairwell, at each floor level.
- (c) If the required receptacles are not flush mounted, waterproof boxes must be provided.
- (d) Structures up to one hundred feet in height shall be wired with a minimum of #8 gauge wire in ¾ inch conduit. Structures over one hundred feet in height shall be wired with a minimum of #6 gauge wire in 1 inch conduit. The conduit must be properly grounded to the neutral wire.
- (e) Conduit concealed within a wall can be thin wall; heavy wall conduit must be used if the conduit is exposed.
- (f) Wiring shall be three pole, 3-wired grounded circuit conforming to the National Electrical Code.
- (g) The plug shall be a standard 20 amp twist lock, L520P (Male) and L520C (Female). (Ord. No. 0- 23-10, §1, 3/15/10, Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Sec. 7-41. Regular Fire and Life Safety Inspections.**

It shall be the responsibility of the Fire Prevention Division to conduct regular fire and life safety inspections in all buildings or business types (except single-family and two-family homes). The purpose of these inspections is to ensure a reasonable level of life safety and protection of property from the hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures, and premises, and to provide safety to fire fighters and emergency responders during emergency operations. All violations shall be corrected within thirty (30) days of the initial inspection. Those conditions determined to be imminent life safety hazards shall be corrected immediately. Fees related to the Regular Fire and Life Safety Inspections shall be included in the Village's Fee Schedule. In addition to the applicable inspection fees, citations may be issued to building and/or business owners for any violations that have not been corrected.

**Sec. 7-42. Same--Copies to be on File.**

The Fire Prevention Division shall keep a copy of said codes on file in their office. (Code 1961, 6.205; Ord. 0- 200-07, §1&2, 12/3/07, retroactive to 1/1/07)

**Sec. 7-43. AutoCAD Drawing.**

Any persons submitting plans for a new building, addition to, or remodel of an existing building, shall submit an AutoCAD file of the base plans at the time of permit application. (Ord. O-94-18; 08/13/18 eff. 01/01/19)

**Secs. 7-44--7-50. Reserved.**

(Ordinance O-63-23, 05/15/23)

## DIVISION 2. FIRE PREVENTION DIVISION

**Sec. 7-51. Power of Fire Chief to Designate.**

The Chief of the Fire Department shall designate such members of the Fire Department as he or she deems necessary to serve as a Fire Prevention Division for the Village. (Code 1961, 6.203;

(Ord. 0-210-06, §5, 12/4/06; Ord. 0-200-07, §1&2, 12/3/07, retroactive to 1/1/07; Ordinance O-63-23, 05/15/23)

**Secs. 7-52--7-60. Reserved.**

## DIVISION 3. FIRE LANES

**Sec. 7-61. Defined.**

For purposes of this division "fire lane" shall mean any public street, alley, driveway, roadway or easement of access, or with the consent of the owner, any privately-owned street, alley, driveway, roadway or easement of access which is to be maintained free from obstruction so as to provide ready access for fire fighting vehicles and equipment. (Code 1961, 6.301)

**Sec. 7-62. Established.**

Fire lanes may be established from time to time at locations designated by the Mayor and Village Council by ordinance. (Code 1961, 6.302)

**Sec. 7-63. Parking Prohibited.**

It shall be unlawful to park in or otherwise block or obstruct any portion of the fire lanes so designated at any time. Signs shall be erected to identify such fire lanes and to serve notice that parking is prohibited therein. (Code 1961, 6.303)



## DIVISION 4. FLAMMABLE LIQUIDS

**Sec. 7-64. Illinois Gasoline Storage Act.**

There is hereby adopted the Regulations contained in the Illinois Gasoline Storage Act as amended from time to time. (430 ILCS 15/2).

**Sec. 7-65. Notification of State Inspections Required.**

The Owner or Operator of an underground storage tank system or any person removing or installing such a system shall provide notice to the Fire Department of said activity within 24 hours of scheduling said activity with the State Fire Marshall.

**Sec. 7-66. Above Ground Storage Tanks.**

All above ground flammable/combustible storage tanks shall meet the requirements outlined in the International Fire Code Section 5704.

**ARTICLE IV. ENFORCEMENT AND PENALTIES****Sec. 7-67. Stop Work Order.**

(a) It shall be unlawful for any owner, agent, contractor, subcontractor or builder engaged in developing property pursuant to a permit issued by the Village to make any departure from or violate:

- (i) Any ordinance or code of the Village;
- (ii) Any conditions attached to a special use ordinance, planned unit development ordinance, variation, or annexation agreement;
- (iii) Any federal, state or other local law or ordinance;
- (iv) Commit any fraud or make any misrepresentation or false statement in an application for a license or permit; or
- (v) Cause a nuisance or danger to the public health, safety or welfare.

Any such departure from or violation of such ordinance, code, condition or threat to the public welfare or law shall operate to void the permit which has been issued for such work.

(b) The Manager, Fire Marshal or their designee without delay, shall issue a stop work order directing that all persons engaged in the work permitted under the permit shall cease and desist immediately until such time as the Manager, Fire Marshal or their designee has either received satisfactory evidence that the work to be performed will be done in accordance with such ordinance, codes, conditions, laws or the public welfare until the Corporate Authorities have acted on the matter pursuant to either paragraph (c) or (d).

(c) The Manager may refer the matter of continuing the stop work order to the Corporate Authorities for further proceedings. The Corporate Authorities shall have the authority to:

- (i) Continue in effect the stop work order;
  - (ii) Lift the stop work order;
  - (iii) Impose additional requirements as conditions to lifting the stop work order; and/or
  - (iv) Any other relief consistent with the public welfare.
- (d) Any person aggrieved by the decision of the Manager in regard to the issuance of a stop work order or refusal to rescind the same shall have the right to appeal to the Corporate Authorities. Such appeal shall be taken by filing with the Manager, within five days after receipt of a stop work order or after the Manager's refusal to rescind such an order, a written statement under oath setting forth specifically the grounds for appeal. The Corporate Authorities shall appoint a hearing body to be composed of the Mayor or the Mayor's designee and two Council Members who shall thereupon set the time and place for a hearing of such appeal and notice of such hearing shall be given to the appellant. The hearing body shall make a recommendation to the Corporate Authorities which shall render a decision on such appeal which shall be final. Any appeal from a decision of the Corporate Authorities shall be made directly to the Circuit Court of Cook County pursuant to the Administrative Review Act (735 ILCS 5/3-101, *et seq.*).
- (e) All costs and expenses including but not limited to court reporter's fees and attorneys' fees incurred by the Village in connection with any appeal of a stop work order shall be taxed to the appellant and shall be paid by the appellant as a condition to reinstatement of the permit.
- (f) The authority to issue a stop work order shall be in addition to any other relief available to the Village.

**Sec. 7-68. Penalties.**

Any person, firm or corporation who violates, disobeys, omits, neglects, or refuses to comply with, or who resists the enforcement of any of the provisions of this ordinance, shall, upon conviction, be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for such offense, and a separate offense shall be deemed committed on each day during or which a violation occurs or continues.



**ARTICLE V. AMBULANCE AND EMERGENCY RESPONSE SERVICE FEES**

(Editor's Note: Ord. No. O-204-06 passed on December 4, 2006, replaced Sec. 7-80 in its entirety.)  
(Editor's Note: Ord. No. O-49-17 passed on April 17, 2017, added Sections 7-82 and 7-83)

**Sec. 7-80. Ambulance Service Fees.**

The Village of Palatine shall charge a user service fee for transport by Fire Department ambulances as provided in the fee schedule supplement to the Palatine Code of Ordinances.

(Ord. O-121-17, 12/4/17)

**Sec. 7-81. Billing and Collection of Ambulance Service Fees.**

Billing and collection of fees for ambulance service shall be done by, or caused to be done by, the Village Manager or his or her designee.

**Sec. 7-82. Other Emergency Response Service Fees.**

The Village of Palatine shall charge a user service fee for emergency response by the Fire Department as provided in the fee schedule supplement to the Palatine Code of Ordinances.

**Sec. 7-83. Billing and Collection of Emergency Response Service Fees.**

Billing and collection of fees for emergency responses by the Fire Department shall be done by, or caused to be done by the Village Manager or his or her designee.