



# VILLAGE OF TWIN LAKES

105 East Main Street P O Box 1024 Twin Lakes, Wisconsin 53181

Phone (262) 877-2858 Fax (262) 333-3286

## AGENDA

### PLAN COMMISSION MEETING

Wednesday, August 14th 2024 at 6:30pm

### VILLAGE HALL

1. Call to order
2. Pledge of Allegiance
3. Roll Call
4. Consideration of a motion to approve Plan Commission minutes from November 29th 2023
5. Consideration of a motion to approve Plan Commission minutes from January 10th 2024
6. Discussion and motion to recommend to the Village Board a Design Review for Complete Water Solutions (851 W Main St) parcel 85-4-119-204-1500
7. Public Hearing on a Conditional Use Permit for Diedrich Family Farm (2000 Richmond Rd) parcel 86-4-119-304-1001
8. Discussion and motion to recommend to the Village Board a Conditional Use Permit for Diedrich Family Farm (2000 Richmond Rd) parcel 86-4-119-304-1001
9. Adjourn

#### **Roll Call:**

Busse, Bill  
Destree, Todd  
Karow, Aaron  
Perl, Ken  
Richter, Bran  
Smith, Carl  
Skinner, Howard- Chair

LEGAL DISCLAIMER: THE BOARD MAY AT ANY TIME MAKE A MOTION TO GO INTO CLOSED SESSION PURSUANT TO SEC. 19.85(1)(A) AND 19.85(1)(G), WIS. STAT., DELIBERATING CONCERNING A CASE SUBJECT TO A QUASI-JUDICIAL HEARING BEFORE THIS GOVERNMENTAL BODY; AND, CONFERRING WITH LEGAL COUNSEL REGARDING STRATEGY AS TO LIKELY LITIGATION.

NOTICE IS HEREBY GIVEN THAT A MAJORITY OF THE VILLAGE BOARD AND/OR LAKE PROTECTION AND REHABILITATION DISTRICT BOARD OF COMMISSIONERS OR OTHER RELATED GOVERNMENTAL BODIES MAY BE PRESENT AT THIS MEETING TO GATHER INFORMATION ABOUT A SUBJECT OVER WHICH THEY HAVE DECISION MAKING RESPONSIBILITY. NO ACTION WILL BE TAKEN BY ANY GOVERNMENTAL BODY AT THIS MEETING OTHER THAN THE GOVERNMENTAL BODIES SPECIFICALLY REFERRED TO IN THIS INSTANT NOTICE. THIS CONSTITUTES A MEETING OF THE VILLAGE BOARD PURSUANT TO STAT EX REL BADKE VS. GREENDALE VILLAGE BOARD, 173 WIS 2D 553, 494 NW 2D 408 (1993), AND MUST BE NOTICED AS SUCH.



**Department of Building and Zoning  
Plan Commission / Design Review  
Application and Checklist**

Section 17.42.020 of the Village Code lists all projects that must go before the Plan Commission and undergo a Design Review. Please read this section to determine if your project must go through this process. You may also be required to complete this application if the Building Inspector, upon review of your project, has determined that a Design Review is necessary.

Please Print Clearly:

**Legal Property Owner:**

Name: Water Technologies of Wisconsin  
 Mailing Address: 851 W Main St  
Twin Lakes WI 53121  
City State Zip

**Applicant/Petitioner:**

Name: Nathan Olszak / Complete Water  
 Mailing Address: 851 W Main St X  
Twin Lakes WI 53121  
City State Zip  
 Telephone #: 855-787-4200  
(Area Code)  
 Fax Number: \_\_\_\_\_  
 E-Mail Address: Nolszak@Complete-Water.com

**Property Information**

Property Address: 851 W Main St  
Twin Lakes WI 53121  
City State Zip  
 Parcel Number: 85-4-119-204-1500  
 General Project Location: South Side of Br Property  
 Proposed Project Use: Office / Warehouse / business  
MCU  
 Current Use: Business / office / Warehouse  
 Existing Zoning: Business

## Next Steps:

Before submitting materials to the Plan Commission/Design Review Board, please follow the steps below:

1.) You may schedule a meeting with the Building Inspector to review your proposed project plans: 262.877.3700 Tuesdays and Thursdays, 12:30pm-2:00pm.

2.) Submit required plans and monies 30 days prior to the next scheduled Plan Commission/Design Review meeting. Plan Commission/Design Review meets the fourth Wednesday of each month at 6:30PM at the Village Hall, 108 E. Main Street, unless rescheduling is needed due to availability. All required paperwork must be submitted before the project will be placed on the agenda.

Next Plan Commission Date: \_\_\_\_\_

3.) Submit 19 copies of the plans. Anything larger than letter-sized paper will need to be folded for mailing purposes.

## Plan Commission / Design Review Checklist

The design review plan must include the following information. For more detailed specifications for the different aspects of your project, it is important that you review 17.42.040 of the Village Code available at [www.villageoftwinlakes.net/documents/village-code/](http://www.villageoftwinlakes.net/documents/village-code/)

- Drawing of the site plan and/or survey. Must be drawn to a recognized engineering scale, with graphic scale and north arrow
- Name, address, e-mail, and telephone number of the developer, engineer, or architect
- Environmental features of the property
- Artist renderings of structures, signs, elevations of all 4 sides, and photos
- Floor plans
- Examples of possible building materials
- Location of utilities, gas meter, electric transformer, HVAC equipment, dumpsters, etc.
- Landscaping — *more Grass added*
- Fire protection — *Same*
- Storage and screening of garbage and refuse — *Same*
- Snow removal areas and procedures — *Same*
- Sign rendering including the following: — *No New Signs*
  - Height
  - Location
  - Light wattage
  - Illumination
- Proposed techniques for on-site stormwater retention / detention — *provided Civil*
- Parking lot layout
- The type, size, and location of existing and proposed buildings and their uses
- Written and signed statement by the legal owner authorizing the agent to act on their behalf *N/A*
- Any other information helpful in reviewing the Design Review Plan

Are you requesting zoning changes? \*\* Yes \_\_\_\_\_ No X

If yes, fill in the fields immediately below:

Current Zoning: \_\_\_\_\_ Proposed Zoning: \_\_\_\_\_

\*\* Zoning change requests are \$325

Village staff may determine that an escrow account is to be set up with the Village Treasurer to cover attorney/engineer and/or Village Planner fees. Applicant/petitioner is hereby duly advised that the engineer and/or attorney or any professional assistance as deemed necessary by the Village of Twin Lakes may be employed for this project, issue, or matter. Escrow money required from the applicant will be put into an account for use in the payment of any professional fees and any balance will be returned within 45 days after the matter is completed.

To accompany this application: \$250.00 fee for Plan Commission/Design Review appearance, additional fees and escrow money as noted below, and all completed paperwork.

Owner's Signature: \_\_\_\_\_

Applicant/Petitioner's Signature: [Signature]

Date: 6/3/2024

### Required Fees

Plan Commission/Design Review Appearance Fee (Village Code 3.06.010 (D), 1 & 2):	\$ <u>250</u>
Zoning Change Request Fee: \$325 if applicable (Municipal Code 17.44.050 (C)):	\$ <u>—</u>
Escrow, as required by Village Administrator and Building Inspector:	\$ _____
Total Amount Due:	\$ _____

Developer's Agreement Required? Yes \_\_\_\_\_ No \_\_\_\_\_





851 W Main Street  
Twin Lakes WI 53181  
855-787-4200

Contact Information:

Complete Water Solutions

Emily Olszak – President 855-787-4200 [eolszak@complete-water.com](mailto:eolszak@complete-water.com)

Nathan Olszak – Project Manager 262-496-4638 [nolszak@complete-water.com](mailto:nolszak@complete-water.com)

Building –

Herda Construction – John Herda 262-206-8145 [johnherda96@yahoo.com](mailto:johnherda96@yahoo.com)

Grading

County Line Contractors Jeff Busch 262-206-3822 [countylinecontractorsllc@hotmail.com](mailto:countylinecontractorsllc@hotmail.com)

Electrical

B. Schneider Electric 262-763-8854 [office@bschneiderelectric.com](mailto:office@bschneiderelectric.com)

HVAC

HJ Faust 262-763-7867 [lori@hjfaust.com](mailto:lori@hjfaust.com)

Well

Gehring Well 262-877-4741 [gehringwell@tds.net](mailto:gehringwell@tds.net)

Drywall

Peterson Drywall 262-249-0250 [petersondrywall@sbcglobal.net](mailto:petersondrywall@sbcglobal.net)

Plumbing

Mechanical Masters 262-878-0875 [mechmast@gmail.com](mailto:mechmast@gmail.com)

# COMPLETE WATER SOLUTIONS ADDITION

SITE IMPROVEMENT PLANS  
APRIL 15, 2024



CIVIL DRAWING INDEX

1	TITLE SHEET
2	EXISTING CONDITIONS
3	SITE PLAN
4	EROSION CONTROL
5	DRAINING PLAN
6	EC DETAILS

ALL SPECIFICATIONS ARE REFERENCED TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.  
DETAILS UNDER CARDINAL ENGINEERING LLC TITLE BLOCK TAKE PRECEDENCE.  
ALL SPECIFICATIONS FOR STANDARD SEWER AND WATER CONSTRUCTION IN WISCONSIN SHALL ALSO BE FOLLOWED, IF NOT DIRECTLY REFERENCED UNDER THIS TITLE BLOCK.

CONTACT INFORMATION:  
OWNER: COMPLETE WATER SOLUTIONS  
831 W MAIN STREET  
TWIN LAKES, WI 53181  
PHONE: 855-757-4200  
OWNER: RYAN CARDINAL, P.E.  
CARDINAL ENGINEERING, LLC  
1200 LA SALLE STREET,  
LAKE GENEVA, WI 53147  
PHONE: 262-757-6776

CLIENT

COMPLETE WATER SOLUTIONS ADDITION  
TWIN LAKES, KENOSHA COUNTY, WI

DESIGN

TITLE SHEET



CARDINAL  
PLAN-SURVEY-ENGINEER  
DESIGNING IN TRUE DIRECTIONS

1200 LA SALLE STREET,  
LAKE GENEVA, WI 53147  
262-757-6776  
PLANSURVEYENGINEER.COM



NO.	REVISION DESCRIPTION	REV DATE

SCALE: \_\_\_\_\_

PROJECT NUMBER: 23374

DATE: 04/15/2024

PROJECT MGR: GAK

DRAWN BY: GAK

DESIGNED BY: GAK

**DIGGERS HOTLINE**  
Dial 811 or (800)242-8511  
www.DiggersHotline.com

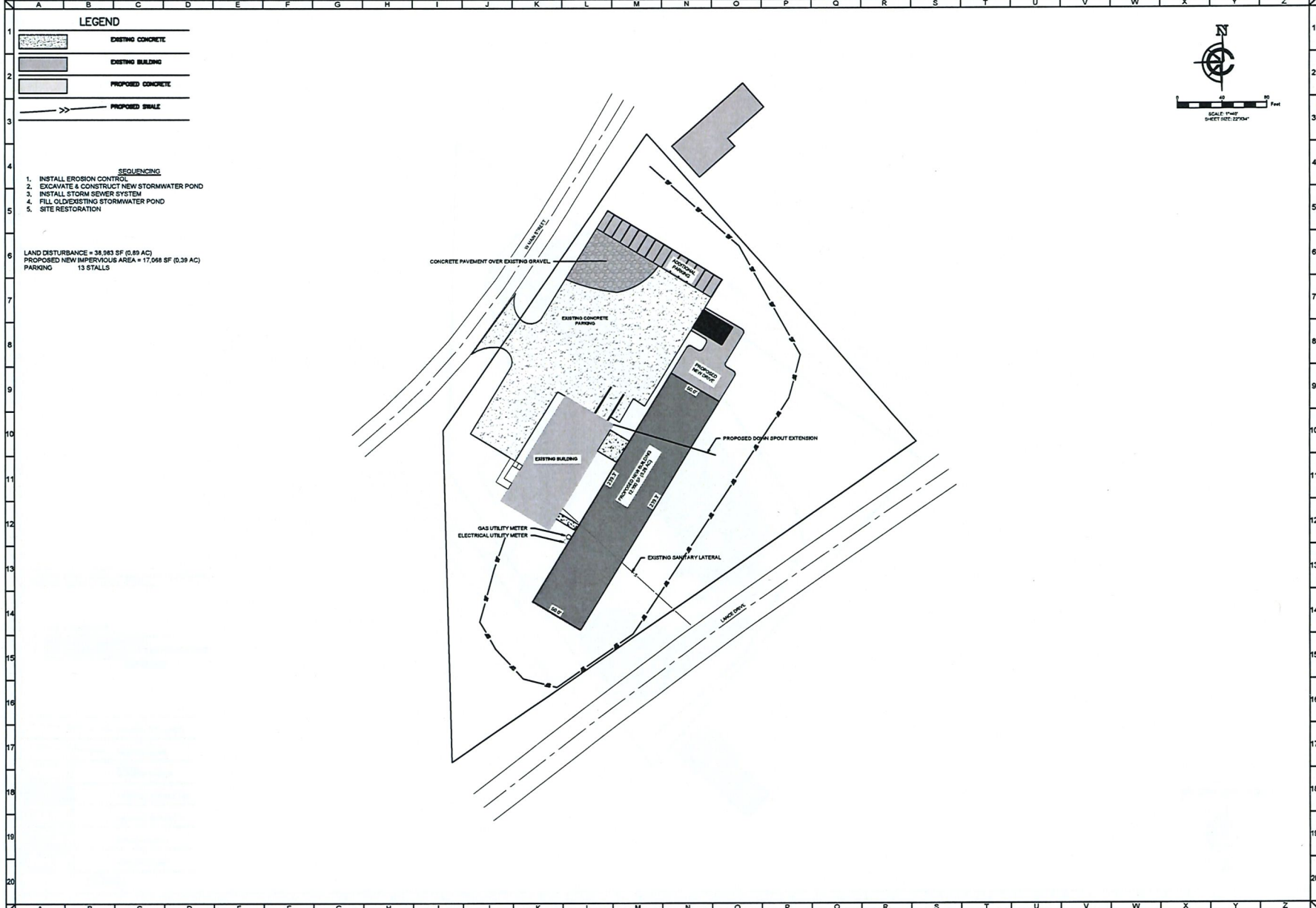
CARDINAL ENGINEERING LLC ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF CARDINAL ENGINEERING LLC.

NOT FOR CONSTRUCTION

SHEET NUMBER  
1 OF 6







**LEGEND**

- 1. [Pattern] EXISTING CONCRETE
- 2. [Pattern] EXISTING BUILDING
- 3. [Pattern] PROPOSED CONCRETE
- 4. [Symbol] PROPOSED SEWER

**SEQUENCING**

1. INSTALL EROSION CONTROL
2. EXCAVATE & CONSTRUCT NEW STORMWATER POND
3. INSTALL STORM SEWER SYSTEM
4. FILL OLD EXISTING STORMWATER POND
5. SITE RESTORATION

LAND DISTURBANCE = 38,983 SF (0.89 AC)  
 PROPOSED NEW IMPERVIOUS AREA = 17,068 SF (0.39 AC)  
 PARKING 13 STALLS

CLIENT

**COMPLETE WATER SOLUTIONS ADDITION**  
 TWIN LAKES, KENOSHA COUNTY, WI  
 DESIGN SITE PLAN



CARDINAL  
 PLAN-SURVEY-ENGINEER  
 DESIGNING IN TRUE DIRECTIONS  
 1200 LA SALLE STREET,  
 LAKE GENEVA, WI 53147  
 262-254-8779  
 PLAN-SURVEY-ENGINEER.COM



NO.	REVISION DESCRIPTION	REV DATE

SCALE 1 IN=40 FT  
 PROJECT NUMBER 2374  
 DATE 04/15/2024  
 PROJECT MOR GAR  
 DRAWN BY GAR  
 REVIEWED BY RYAN CARDINAL, PE  
 SHEET NUMBER







A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- RESTORATION NOTES:**
1. MINIMUM 4" TOPSOIL REQUIRED IN ALL LAWN AREAS.
  2. UTILIZE WSDOT SEED MIXTURE No 40 OR AS RECOMMENDED BY LANDSCAPER PER LOCAL SOIL TEST.
  3. UTILIZE WSDOT TYPE A FERTILIZER.
  4. USE CLASS 1, URBAN, TYPE A ON ALL DISTURBED AREAS UNLESS SPECIFIED OTHERWISE.
  5. UTILIZE TYPE B MATTING OF SAME CLASS 1 ALONG CENTERLINE OF SWALE AND UP MINIMUM 2FT VERTICAL OF SIDE SLOPES.
  6. PROPERLY ANCHORED MULCH REQUIRED IN ALL AREA NOT STABILIZED WITH EROSION MATTING.
  7. FOLLOW ALL EROSION CONTROL SEQUENCING, TRACKING PAD, SILT FENCE, DUST CONTROL, SEEDING, AND MATTING.

**GENERAL NOTE:**

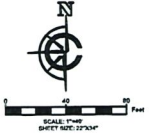
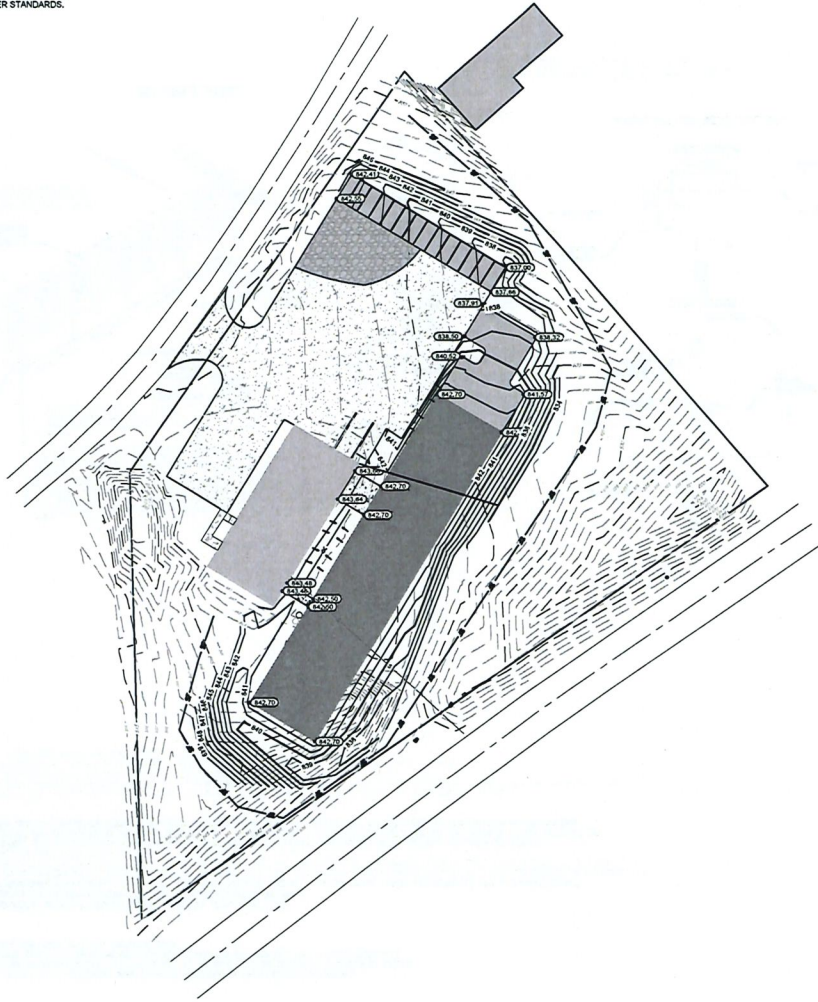
CONTRACTOR RESPONSIBLE FOR VERIFYING GRADES SET IN RELATION TO GRADING PLANS SHOWN. CALCULATIONS FOR FLOOR AND EXTERIOR GRADES SET. COORDINATION WITH ARCHITECTURAL/STRUCTURAL PLANS, AND ANY DISCREPANCIES THEREIN, COMMENCING CONSTRUCTION IS ACCEPTANCE OF VERIFICATION AND INFORMATION SHOWN AND CARDINAL ENGINEERING SHALL BE HELD HARMLESS FOR ANY CHANGES REQUIRED FOR FURTHER REQUIRED DURING CONSTRUCTION.

FURTHER CALCULATIONS ARE REQUIRED BEYOND WHAT IS SHOWN ON THIS PLAN FOR WALLS IN OTHER LOCATIONS OF THE STRUCTURAL PLANS. CONTRACTOR IS RESPONSIBLE FOR THOSE CALCULATIONS. NO FOUNDATION PLANS PROVIDED. LATEST INFORMATION AVAILABLE AT THE DATE OF THIS SHEET RELEASE.

**NOTE:**

ALL EQUIPMENT IS PLANNED TO STAY ON HARD SURFACES DURING CONSTRUCTION, SO A TRACKING PAD IS NOT NEEDED, IF EQUIPMENT ENDOUCHES ONTO PERVIOUS SURFACES AND/OR OFFSITE TRACKING OCCURS, IMMEDIATELY INSTALL A TRACKING PAD PER STANDARDS.

TOTAL LAND DISTURBANCE = 38,983 SF (0.89 ACRES)  
 SITE BALANCE = 665 CUBIC YARDS (FILL)



**LEGEND**

[Solid Grey]	PROPOSED BUILDING
[Light Grey]	PROPOSED CONCRETE
[Dashed Line]	EXISTING MINOR CONTOUR (1FT INCREMENTS)
[Long Dashed Line]	EXISTING MAJOR CONTOUR (5FT INCREMENTS)
[Dotted Line]	PROPOSED MINOR CONTOUR (1FT INCREMENTS)
[Dash-dot Line]	PROPOSED MINOR CONTOUR (5FT INCREMENTS)
[Line with Tick]	PROPOSED SILT FENCE
[Solid Black]	EXISTING BUILDING

CLIENT

**COMPLETE WATER SOLUTIONS ADDITION**  
 TWIN LAKES, KENOSHA COUNTY, WI  
 GRADING PLAN  
 DESIGN



CARDINAL  
 PLAN-SURVEY-ENGINEER  
 DESIGNING IN TRUE DIRECTIONS  
 1200 LA SALLE STREET,  
 LAKE GENEOVA, WI 53147  
 262-251-6778  
 PLANSURVEYENGINEER.COM



NO.	REVISION DESCRIPTION	REV DATE

SCALE	1 IN = 40 FT
PROJECT NUMBER	23374
DATE	04/15/2024
PROJECT MGR	GAR
DRAWN BY	GAR
REVIEWED BY	RYAN CARDINAL, PE
SHEET NUMBER	5 OF 6

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z







1/10/2024

MATT KUBEHL  
MIDWEST MANUFACTURING  
5311 KANE ROAD  
EAU CLAIRE, WISCONSIN 54703

Identification Numbers

**Plan Review No.:** CB-012400061-PRB

**Application No.:** DIS-122351527

**Site ID No.:** 833663

Please refer to all identification numbers in each  
correspondence with the Department.

## CONDITIONAL APPROVAL

**PLAN APPROVAL EXPIRES:** 01/10/2026

**CODE APPLIES:** 12/11/2023

**MUNICIPALITY:**

VILLAGE OF TWIN LAKES  
KENOSHA COUNTY

**SITE:**

COMPLETE WATER SOLUTIONS  
851 W MAIN ST  
, WISCONSIN

**FOR:**

851 W MAIN ST

**Building Name:** 2nd building

**Object Type:** Building

**Major Occupancy:** S-1 - Storage Moderate-Hazard

**Class of Construction:** VB - Combustible Unprotected Construction

**Building Review Type:** New

**Plan Type:** Full/Complete Building

**Total Floor Area in Sq Ft:** 12,000

**Sprinklered Type:** None

**Occupancy:** B - Business

**Allowable Area Determined By:** nonseparated

**Structural Components Included in Review:** truss, roof

**Alteration Level:** None

## SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A Department electronic stamp and signature shall be on the plans which are used at the job site for construction.

**The following conditions shall be met during construction or installation and prior to occupancy or use:**

**KEY ITEM(S):**

- IBC 903.2.10.1 - Provide an automatic fire sprinkler system throughout buildings used for the storage of commercial motor vehicles where the fire area exceeds 5,000 sq. ft. Review the definition of a commercial motor vehicle found in SPS 362.0202(2)(c).

**REMINDERS:**

- ICC/ANSI A117.1 Sec. 606.6 - Pipe protection shall be provided under lavatories and sinks for the drain and water pipes or otherwise be configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories or sinks.
- SPS 362.0400(6) - Where the live loads for which each floor or portion thereof of a commercial or industrial building is or has been designed to exceed 100 pounds per square foot, such design live loads shall be conspicuously posted by the owner in that part of each story in which they apply, using durable signs. It shall be unlawful to remove or deface such notices. *Halfway ceiling.*
- IBC 718.2.3 - Fireblocking shall be installed between vertical and horizontal spaces created by floor joists or trusses, at soffits, dropped ceilings, cove ceilings and similar locations.
- IBC 906.2.1/IBC 906.2 - Provide fire extinguishers per this code section. Fire extinguishers shall be selected, installed and maintained in accordance with IFC 906 and NFPA 10.
- IBC 1008.1 - Provide emergency illumination in egress paths per this section. Each required interior means of egress component shall comply with this section.
- IBC 1405.3/SPS 362.1405(1m) - Provide an appropriate class of vapor retarder on the interior side of frame walls (warm in winter side) and ceiling assemblies as addressed in this section. Exceptions include basement walls, below grade portion of any wall, and where other approved means to avoid condensation in unventilated framed wall, floor, roof, and ceiling cavities, and box sills are provided.
- IBC 2304.10.1 - Connections for wood members shall be at least the number and size of nails or fasteners in wood members as set forth in Table 2304.10.1, unless more are required by design method.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements. Only those object types listed above have been approved; other submittals such as plumbing and those listed above under **REQUIRED SUBMITTAL(S)**, may also be required.

All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation. You are responsible for complying with state and federal laws concerning construction near or on wetlands, lakes, and streams.

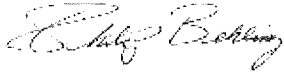
This plan has not been reviewed for compliance with fire code requirements, including those for fire lanes and fire protection water supply, so contact the local fire department for further information.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

Per s. SPS 361.40(4), projects for buildings of over 50,000 cubic feet total volume shall have supervising professionals who file compliance statements with this agency and the local code officials prior to occupancy of the project. Compliance statements shall be filed online at <https://esla.wi.gov/PortalCommunityLogin>.

Inquiries concerning this correspondence may be made to me at the contact information listed below, or at the address on this letterhead.

Sincerely,

A handwritten signature in cursive script, appearing to read "Philip Behling".

Philip Behling

Division of Industry Services

Phone: 715 634-5035

Email: philips.behling@wisconsin.gov

cc:

JOHN GIBBS, DIS INSPECTOR, (414) 852-3694, JOHN.GIBBS@WISCONSIN.GOV

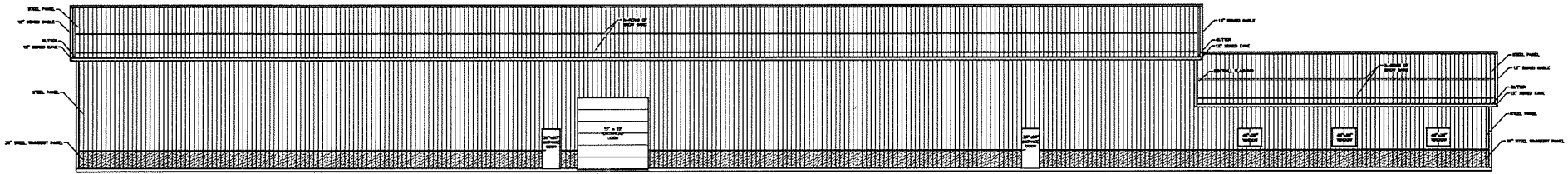
SABRINA WASWO, MUNICIPAL CLERK, (262) 877-2858, CLERK@TWINLAKESWI.GOV

JEFF MURRAY, MIDWEST MANUFACTURING

NATHAN OLSZAK, COMPLETE WATER SOLUTIONS



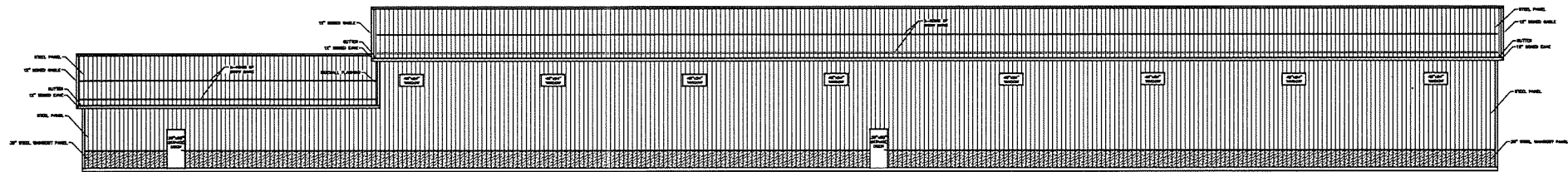




NORTHWEST SIDEWALL

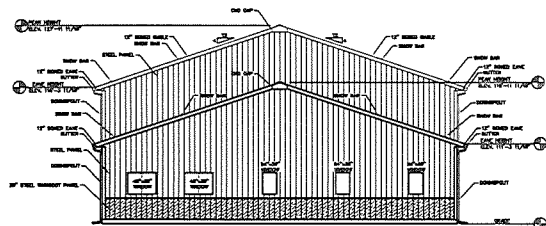
NOTE:  
 (1)-GUTTER DOWNSPOUTS REQUIRED FOR  
 SIDEWALL OF 10'-0" TALL BUILDING.

NOTE:  
 (2)-GUTTER DOWNSPOUTS REQUIRED FOR  
 SIDEWALL OF 10'-0" TALL BUILDING.

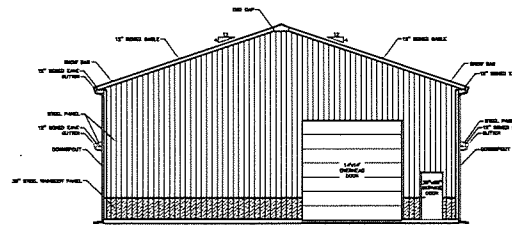


SOUTHEAST SIDEWALL

*Color Same as Existing Building*



SOUTHWEST ENDWALL



NORTHEAST ENDWALL

ELEVATIONS  
 SCALE: 1/8"=1'-0"



ENGINEERING SERVICES

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@AAAENGINEERING.COM

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI  
 PROF. ENGINEER: JEFF MURRAY  
 PLAN DESIGNER: MATT KUBENL  
 DRAWN BY: JMS  
 DATE: 12/8/2023  
 SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

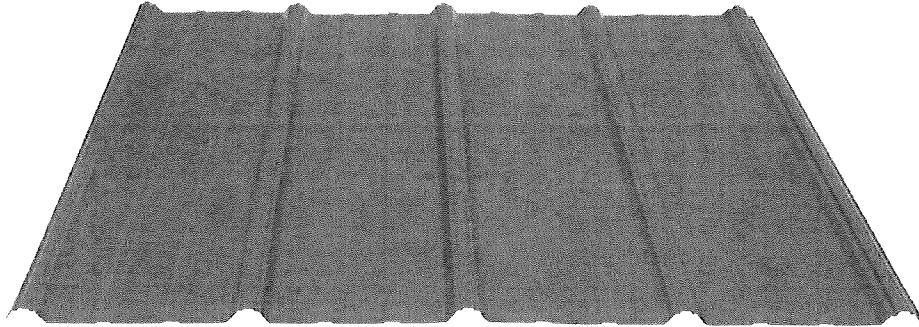
SHEET TITLE:  
 ELEVATIONS

FILE NAME: S36023M  
 SHEET NO.

**S2**

# 36" x 16' Charcoal Gray Pro-Rib® Steel Panel

Model Number: Ch.Gray\_1557839\_04 | Menards® SKU: 1557839



EVERYDAY LOW PRICE

\$57.79

SALE PRICE Good Through 6/9/24

\$54.68

11% REBATE\* Good Through 6/9/24

\$6.01

**PRICE  
AFTER  
REBATE\***

**\$48<sup>67</sup>** each

You Save \$9.12 with Sale Price & Mail-In Rebate\*

! Additional Packaging/Handling Charges May Apply.

For your convenience, this product can be picked up at the plant.



- Panel width 38", installation coverage 36" with 3/4" rib height
- Superior hail resistance (Class 4), Class A fire rated
- Can be used for residential roofing, siding, outbuildings, and post frame applications

[View More Information >](#)

**Color:** Charcoal Gray

**Length:** 16'

## Pick Up At Store ①

- • • 41 In-Stock at [Burlington](#)  
Item located in Outside Yard ②
- • • [View Shipping & Delivery Options](#)
- • • [Check Another Store for Availability](#)
- • • [Share](#)

Pro-Rib® is the leading steel panel offered in the post frame industry at a very competitive price. Pro-Rib® is also increasing its usage in the residential roofing, siding, and light commercial markets. This panel delivers value with high performance. It's environmentally friendly and manufactured to the highest industry standards. All of the Pro-Rib® steel panels can be custom cut to the inch to save you time and money. With nothing to hide, Pro-Rib® lists their before-paint panel thickness and their after-paint thickness. Choose Pro-Rib® for your next project knowing you will get the best.

**Features**

- Panel width 38", installation coverage 36" with 3/4" rib height
- Superior hail resistance (Class 4), Class A fire rated
- Can be used for residential roofing, siding, outbuildings, and post frame applications
- Actual .0142" minimum thickness before painting, .0165" nominal thickness after painting (29 gauge)
- Manufactured from structural strength ASTM-A653, grade 80 steel
- Through-fastener panel system
- Weighs approximately 66 lb. per 100 sq. ft.
- Limited 40-year paint warranty
- UL 580 Class 90 wind uplift

**Additional Resources**

- [Steel Roofing and Siding Estimate Request](#)
- [Technical Specifications](#)
- [Warranty](#)
- [Use And Care Manual](#)
- [Color Chart](#)

Brand Name: Pro-Rib



**Compare -** We've selected these items to compare. Let us help you decide which product fits your needs best!

Currently Viewing		Currently Viewing		Currently Viewing		Currently Viewing		Currently Viewing	
<b>36" x 16' Charcoal Gray Pro-Rib® Steel Panel</b>		<b>36" x 12' Brown Pro-Rib® Steel Panel</b>		<b>36" x 16' Brown Pro-Rib® Steel Panel</b>		<b>36" x 16' White Pro-Rib® Steel Panel</b>		<b>36" x 12' Midnight Black Pro-Rib® Steel Panel</b>	
SALE PRICE	\$54.68	SALE PRICE	\$40.98	SALE PRICE	\$54.68	SALE PRICE	\$54.68	SALE PRICE	\$40.98
11% REBATE*	\$6.01	11% REBATE*	\$4.51	11% REBATE*	\$6.01	11% REBATE*	\$6.01	11% REBATE*	\$4.51
<b>PRICE AFTER REBATE*</b>	<b>\$48<sup>67</sup> each</b>	<b>PRICE AFTER REBATE*</b>	<b>\$36<sup>47</sup> each</b>	<b>PRICE AFTER REBATE*</b>	<b>\$48<sup>67</sup> each</b>	<b>PRICE AFTER REBATE*</b>	<b>\$48<sup>67</sup> each</b>	<b>PRICE AFTER REBATE*</b>	<b>\$36<sup>47</sup> each</b>
✓ Shipping & Delivery		✓ Shipping & Delivery		✓ Shipping & Delivery		✓ Shipping & Delivery		✓ Shipping & Delivery	
✓ Pick Up at Plant		✓ Pick Up at Plant		✓ Pick Up at Plant		✓ Pick Up at Plant		✓ 36 In-Stock at BURLINGTON ⓘ	
✓ 41 In-Stock at BURLINGTON ⓘ		✓ 37 In-Stock at BURLINGTON ⓘ		✓ 45 In-Stock at BURLINGTON ⓘ		✓ 44 In-Stock at BURLINGTON ⓘ			

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**Popular Links**

- [36" x 14' Charcoal Gray Pro-Rib® Steel Panel](#)
- [16' Charcoal Gray Steel Door Jamb Trim](#)
- [16 x 16 Charcoal Wetcast Yorkstone Paver](#)
- [16' Charcoal Gray Steel Corner & Gable Trim](#)
- [4 x 16 Charcoal Holland Boardwalk Paver](#)
- [10' Charcoal Gray Pro-Rib Universal Snow Bar](#)
- [8 x 16 Charcoal Wetcast Yorkstone Paver](#)
- [8 x 16 Charcoal/Maroon Riverfront Paver](#)
- [16' Charcoal Gray Steel Astragal Trim](#)

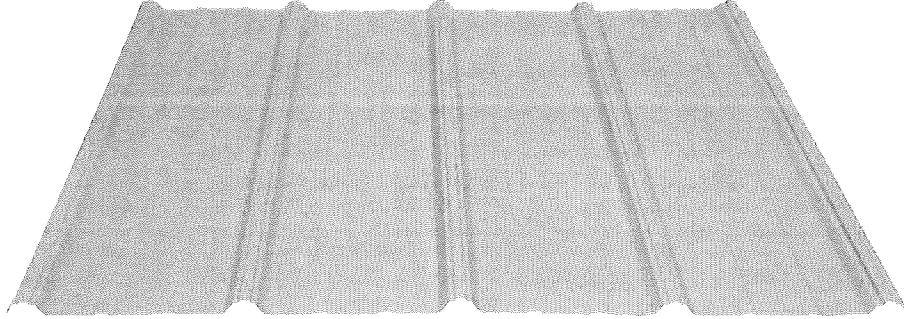
\*Please Note: The 11% Rebate\* is a mail-in-rebate in the form of merchandise credit check from Menards, valid on future in-store purchases only. The merchandise credit check is not valid towards purchases made on MENARDS.COM®. "Price After Rebate" is the Price or Sale Price, minus the savings you can receive from an 11% Mail-in Rebate\* in the form of an in-store merchandise credit check. The 11% Rebate\* is not a point-of-sale discount on any item purchased. Participating customers must mail their rebate receipt and completed rebate redemption form to the address on the redemption form to receive their merchandise

credit check. See redemption form for details. Limited to stock on hand. No sorry slips. First come, first served. Future sale price adjustments, exchanges and merchandise returns will void the 11% rebate on the items adjusted, exchanged and/or returned. Rebate is valid on special ordered products but does not extend to the special ordering of any normally stocked items. Not good with any other coupons or offers except Menards® coupons, Menards rebates and manufacturers' coupons. Multiple receipts may accompany one rebate certificate. Menards reserves the right to limit purchases of any and all items to reasonable job lot quantities. Excludes event tickets, gift cards, propane purchases, delivery and handling charges, all rental items, KeyMe®, re-keying services, processing fees, packaging charges and extended service agreements. By submitting any rebate form, you agree to resolve any disputes related to rebate redemption by binding arbitration and you waive any right to file or participate in a class action. Terms and conditions available at [www.rebateinternational.com](http://www.rebateinternational.com)£



# 36" Premium Pro-Rib® Light Gray Steel Panel

Model Number: Light\_Gray\_1559181-03 | Menards® SKU: 1559181



Pricing available after measurements are entered

**/ Additional Packaging/Handling Charges May Apply.**

- Panel covers a 36" width
- Custom cut lengths from 2' to 36' in 1" increments available special order in Menards® stores and on MENARDS.COM®
- Used for residential roofing, siding, out buildings, livestock buildings, and all post frame applications

[View More Information >](#)

**Color:** Light Gray

**Ship To Store - Free!**

Get it as soon as 06/14/2024



Available for Special Order at [Burlington](#)



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Premium Pro-Rib® is one of the most versatile members of the Pro-Rib® family of quality products. It's truly a premium wall and roof panel whose applications span a tremendous variety of residential, commercial, and industrial construction applications. The superior performance of the Premium Paint System sets this panel apart from the crowd. It's environmentally friendly, livestock friendly, and is manufactured to the highest industry standards. It is sure to be the last roof you will ever need.

## Features

- Panel covers a 36" width
- Custom cut lengths from 2' to 36' in 1" increments available special order in Menards® stores and on MENARDS.COM®
- Used for residential roofing, siding, out buildings, livestock buildings, and all post frame applications
- Actual .0157" minimum thickness before painting .018" nominal thickness after painting (28 gauge)
- G100 galvanization coating plus zinc phosphate - 66% more than 40-year paint warranty panels
- Manufactured from structural strength ASTM-A653, grade 80 steel
- Superior hail resistance (Class 4), Class A Fire Rated, 200 MPH wind resistance, properly installed steel panels will withstand devastating winds
- Through fastener panel system, faster installation than shingles
- Limited Lifetime paint warranty
- All steel over 36' to 50' must be ordered at a Menards® store and delivered directly to the jobsite or picked up at the plant in Eau Claire, WI; Holiday City, OH; or Valley, NE. Delivery is extra. Additional packaging/handling charges are required. Exposed fastener/pro-rib price is figured on 38" nominal width.
- Weighs approximately 74 lbs per 100 sq ft

**Additional Resources**

[Color Chart](#)

[Steel Roofing and Siding Estimate Request](#)

[Technical Specifications](#)

[Warranty](#)

[Use And Care Manual](#)

Brand Name: **Premium Pro-Rib**



**Compare** - We've selected these items to compare. Let us help you decide which product fits your needs best!

Currently Viewing	Currently Viewing	Currently Viewing	Currently Viewing	Currently Viewing
<b>36" Premium Pro-Rib® Light Gray Steel Panel</b>	<b>36" x 12' Brown Pro-Rib® Steel Panel</b>	<b>36" x 16' Charcoal Gray Pro-Rib® Steel Panel</b>	<b>36" x 16' Brown Pro-Rib® Steel Panel</b>	<b>36" x 16' White Pro-Rib® Steel Panel</b>
SALE PRICE <b>\$149.43</b> 11% REBATE* <b>\$16.44</b>	SALE PRICE <b>\$40.98</b> 11% REBATE* <b>\$4.51</b>	SALE PRICE <b>\$54.68</b> 11% REBATE* <b>\$6.01</b>	SALE PRICE <b>\$54.68</b> 11% REBATE* <b>\$6.01</b>	SALE PRICE <b>\$54.68</b> 11% REBATE* <b>\$6.01</b>
<b>PRICE AFTER REBATE* STARTING AT</b> <b>\$132<sup>99</sup></b> each	<b>PRICE AFTER REBATE*</b> <b>\$36<sup>47</sup></b> each	<b>PRICE AFTER REBATE*</b> <b>\$48<sup>67</sup></b> each	<b>PRICE AFTER REBATE*</b> <b>\$48<sup>67</sup></b> each	<b>PRICE AFTER REBATE*</b> <b>\$48<sup>67</sup></b> each
<ul style="list-style-type: none"> <li>✓ Shipping &amp; Delivery</li> <li>✓ Ship To Store - Free!</li> <li>✓ Pick Up at Plant</li> </ul>	<ul style="list-style-type: none"> <li>✓ Shipping &amp; Delivery</li> <li>✓ Pick Up at Plant</li> <li>✓ 37 In-Stock at BURLINGTON ①</li> </ul>	<ul style="list-style-type: none"> <li>✓ Shipping &amp; Delivery</li> <li>✓ Pick Up at Plant</li> <li>✓ 41 In-Stock at BURLINGTON ①</li> </ul>	<ul style="list-style-type: none"> <li>✓ Shipping &amp; Delivery</li> <li>✓ Pick Up at Plant</li> <li>✓ 45 In-Stock at BURLINGTON ①</li> </ul>	<ul style="list-style-type: none"> <li>✓ Shipping &amp; Delivery</li> <li>✓ Pick Up at Plant</li> <li>✓ 44 In-Stock at BURLINGTON ①</li> </ul>
<b>Not Available Online</b>				

**Compare Specifications**

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**\*Please Note:** The 11% Rebate\* is a mail-in-rebate in the form of merchandise credit check from Menards, valid on future in-store purchases only. The merchandise credit check is not valid towards purchases made on MENARDS.COM®. "Price After Rebate" is the Price or Sale Price, minus the savings you can receive from an 11% Mail-in Rebate\* in the form of an in-store merchandise credit check. The 11% Rebate\* is not a point-of-sale discount on any item purchased. Participating customers must mail their rebate receipt and completed rebate redemption form to the address on the redemption form to receive their merchandise credit check. See redemption form for details. Limited to stock on hand. No sorry slips. First come, first served. Future sale price adjustments, exchanges and merchandise returns will void the 11% rebate on the items adjusted, exchanged and/or returned. Rebate is valid on special ordered products but does not extend to the special ordering of any normally stocked items. Not good with any other coupons or offers except Menards® coupons, Menards rebates and manufacturers' coupons. Multiple receipts may accompany one rebate certificate. Menards reserves the right to limit purchases of any and all items to reasonable job lot quantities. Excludes event tickets, gift cards, propane purchases, delivery and handling charges, all rental items, KeyMe®, re-keying services, processing fees, packaging charges and extended service agreements. By submitting any rebate form, you agree to resolve any disputes related to rebate redemption by binding arbitration and you waive any right to file or participate in a class action. Terms and conditions available at [www.rebateinternational.com](http://www.rebateinternational.com)®.



Existing Building Colors

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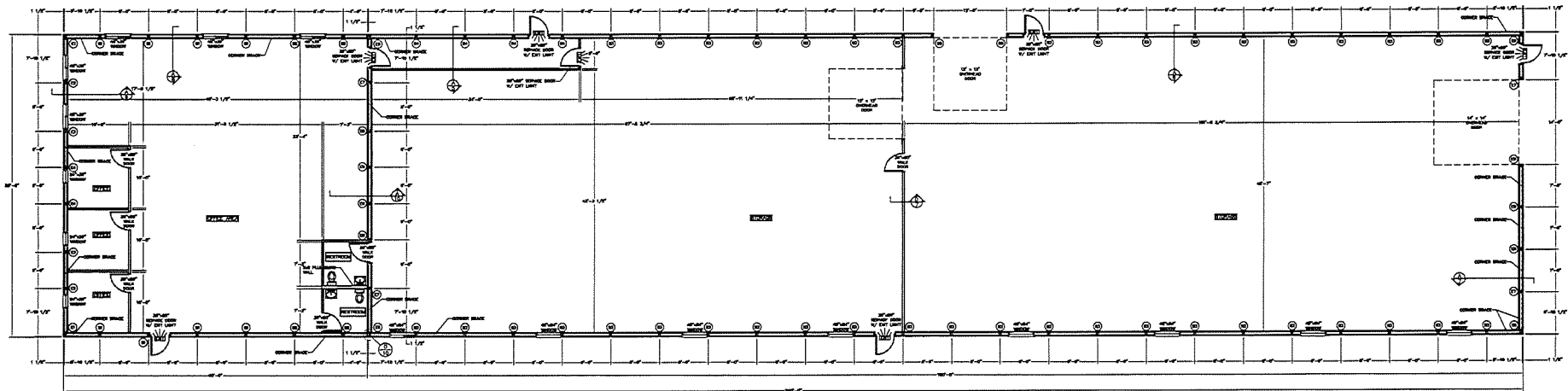




Existing Building  
Colors / materials







FLOOR PLAN

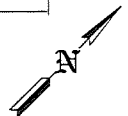
SCALE: 1/8"=1'-0"

NOTE:  
ALL DIMENSIONS ARE TO CENTERLINE OF  
COLUMNS EXCEPT FOR CORNERS AND OVERHEAD  
DOOR JAMBS OR UNLESS NOTED OTHERWISE.

COLUMN & FOOTING SCHEDULE				
COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
C1	2-PLY (10)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	8	24" x 24" CONCRETE FOOTING
C2	2-PLY (10)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	4	30" x 30" CONCRETE FOOTING
C3	3-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	40	20" x 20" CONCRETE FOOTING
C4	3-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	4	20" x 20" CONCRETE FOOTING
C5	2-PLY (14)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	2	20" x 20" CONCRETE FOOTING
F1	2-PLY (10)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	2	14" x 14" CONCRETE FOOTING
F2	2-PLY (10)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	2	14" x 14" CONCRETE FOOTING
F3	2-PLY (10)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	2	14" x 14" CONCRETE FOOTING
F4	2-PLY (12)-2#6 #1 SYP LAMINATED COLUMN	4'-0"	2	14" x 14" CONCRETE FOOTING
F5	2-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	2	20" x 20" CONCRETE FOOTING
F6	2-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	2	20" x 20" CONCRETE FOOTING
F7	2-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	4	14" x 14" CONCRETE FOOTING
F8	2-PLY (10)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	2	14" x 14" CONCRETE FOOTING
F9	2-PLY (12)-2#6 2400F MSR SYP LAMINATED COLUMN	3'-0"	4	14" x 14" CONCRETE FOOTING

NOTE:  
CORNER BRACE SHALL BE A 2x6 EXTENDING FROM THE GRADBOARD AT THE  
INTERIOR COLUMN TO THE TOP OF THE CORNER COLUMN. CORNER BRACE SHALL  
BE SECURED TO THE GRADBOARD W/ (3)-10# RINGSHANK NAILS AND TO THE  
SOFFIT HALLS/DORMER BOTTOM CHORD W/ (3)-10# RINGSHANK NAILS. EACH  
BRACE TO GIRT LOCATION SHALL BE SECURED W/ (1)-10# RINGSHANK NAIL.

NOTE:  
IF CONCRETE FOOTINGS ARE POURED ON SITE, THEN  
FOOTINGS MUST BE A MINIMUM OF 8" THICK.



**MM**  
ENGINEERING SERVICES  
800 228-1111, 800 848-1111, 913 892-0100  
FOR QUESTIONS PLEASE CONTACT BUILDING  
DESIGNER AT THE FOLLOWING:  
ENGINEERING@MMWESTMANUFACTURING.COM

PROJECT TITLE:  
**2ND BUILDING**

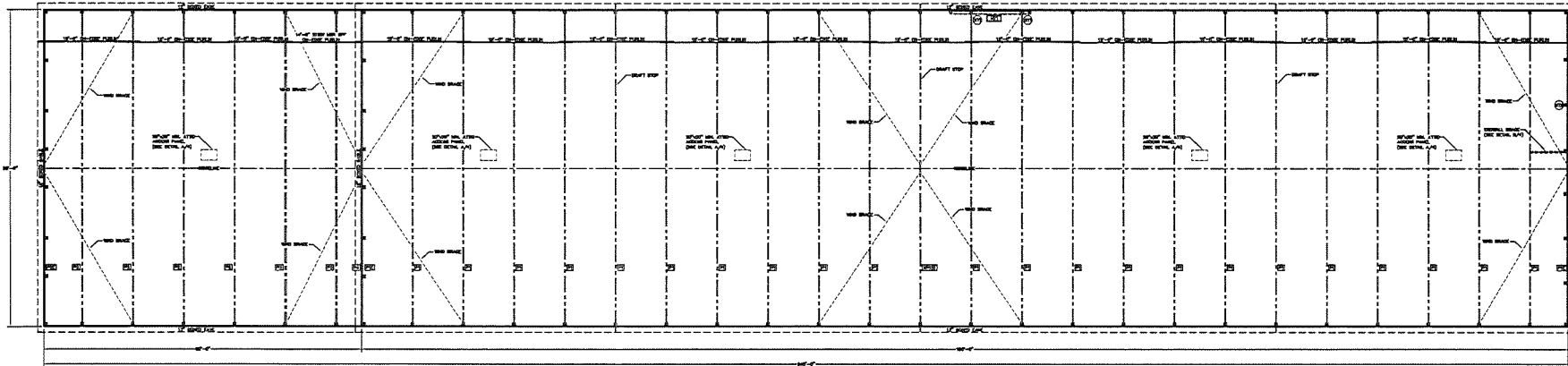
TWIN LAKES, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUSCHL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

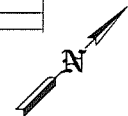
SHEET TITLE:  
FLOOR PLAN

FILE NAME: S36023W  
SHEET NO.  
**S3**





ROOF FRAMING PLAN  
SCALE: 1/8"=1'-0"



HEADER SCHEDULE		
HEADER LOCATION	HEADER DESCRIPTION	REFERENCE (DETAILS)
H1	3-PLY 2X12 2X800 ROOF TRUSS (2-8X) OVERHEAD ROOF HEADER	A71

STUB COLUMN SCHEDULE		
COLUMN LOCATION	COLUMN DESCRIPTION	NUMBER OF COLUMNS
ST1	3-PLY 2X8 (6) STUB COLUMN (OUT TO RT)	2
ST2	3-PLY 2X8 (2) STUB COLUMN (OUT TO LT)	1

NOTE: (COMMON TRUSSES P1 & P2)  
2X4 ROOF PURLINS (OH-DOED), THE FIRST (8) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 20' O.C. WITH THE BALANCE AT 24' O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/ (1)-30# RINGSHANK NAIL AT EACH PURLIN TO TRUSS LOCATION FOR PURLIN OVERLAP. SEE DETAIL C/A.

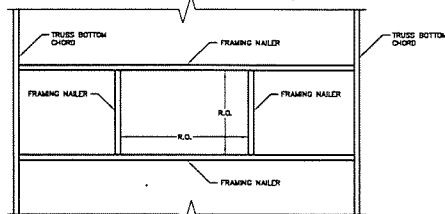
NOTE: (DRIFT TRUSSES P3 & P4)  
2X4 DRIFT (D-I) PURLINS (OH-DOED), THE FIRST (8) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 18' O.C. WITH THE BALANCE AT 18' O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/ (1)-30# RINGSHANK NAIL AT EACH PURLIN TO TRUSS LOCATION FOR PURLIN OVERLAP. SEE DETAIL C/A.

TRUSS LOCATION	TRUSS DESCRIPTION	SPACING	LOADING (PSF)			PITCH	HEEL	NUMBER OF TRUSSES
			COL.	DLTC	DLRC			
P1	30'-00" COMMON TRUSS	8'-0"	30	4	5	20.0	4/12	10
P2	30'-00" COMMON TRUSS	8'-0"	30	4	10	20.0	4/12	10
P3	30'-00" DRIFT TRUSS (D-I) P3	8'-0"	30	4	10	23.3	4/12	10
P4	30'-00" DRIFT TRUSS (D-I) P4	8'-0"	30	4	10	20.0	4/12	10
PH	30'-00" COMMON ENDWALL	3'-0"	30	4	5	20.0	4/12	10
PE	30'-00" COMMON ENDWALL	3'-0"	30	4	10	20.0	4/12	10
XP10	30'-00" STRUCTURAL ENDWALL	8'-0"	30	4	5	20.0	4/12	10

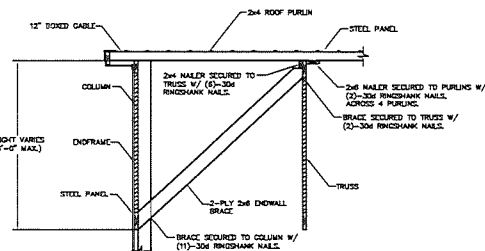
NOTE: WIND BRACE SHALL BE A 2X4 PLACED ON THE UNDERSIDE OF THE ROOF PURLINS. WIND BRACE SHALL BE SECURED W/ (2)-30# RINGSHANK NAILS AT EACH END AND W/ (1)-10# RINGSHANK NAIL AT EACH BRACE TO PURLIN LOCATION.

NOTE: LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.

NOTE: ATTIC AREA SHALL BE COMPARTMENTALIZED INTO AREAS NOT GREATER THAN 3000 SQ. FT. BY FIRE STOPPING AS SPECIFIED IN SEC 718.4. EVERY ATTIC COMPARTMENT SHALL BE PROVIDED WITH A 20" X 20" ACCESS PANEL FROM LOWER AREA OF ACCESS PANELS IN COMPARTMENT WALLS SHALL BE PROVIDED WITH SELF-CLOSING DEVICES. (INCLUDES OVERHANGS)

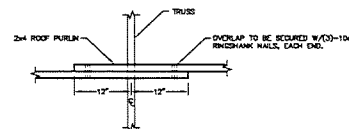


ATTIC ACCESS FRAMING  
SCALE: 3/4"=1'-0"



NOTE: ENDWALL BRACE SHALL EXTEND DOWN TO EITHER ENDWALL BOTTOM CHORD OR 8'-0" MAXIMUM HEIGHT.

ENDWALL BRACE DETAIL  
SCALE: 1/2"=1'-0"



PURLIN OVERLAP DETAIL  
SCALE: 1'-0"=1'-0"



ENGINEERING SERVICES  
1801 GARDEN DR., 3RD FLOOR, TWIN LAKES, WI 53091

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEER@AAAENGINEERING.COM

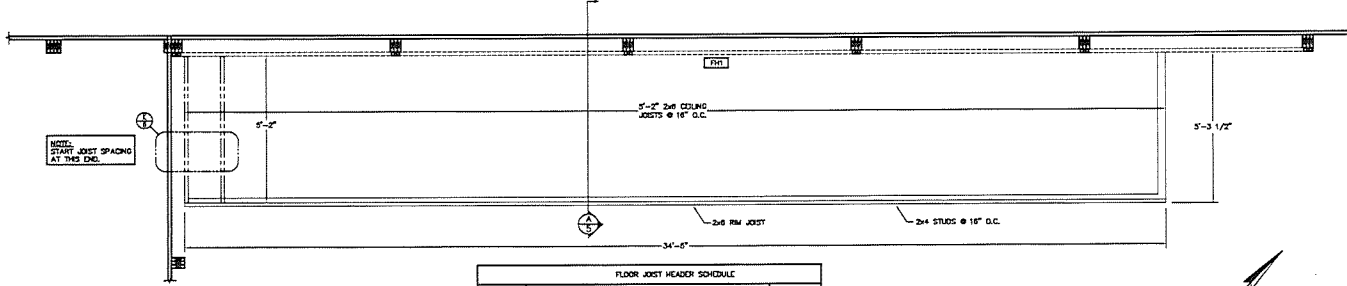
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2ND BUILDING

TWIN LAKES, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBDEL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
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2		

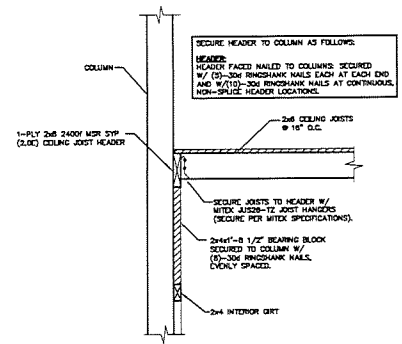
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ROOF FRAMING PLAN  
FILE NAME: S36023W  
SHEET NO.

S4

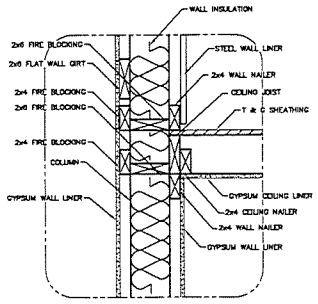


FLOOR JOIST HEADER SCHEDULE		
HEADER LOCATION	HEADER DESCRIPTION	REFERENCE DETAIL
101	1-PLY 2x6 2400Y MSR SYP (2.0x) FLOOR JOIST HEADER	C/S

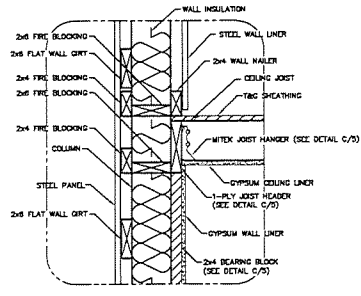
**HALLWAY CEILING FRAMING PLAN**  
SCALE: 1/2"=1'-0"



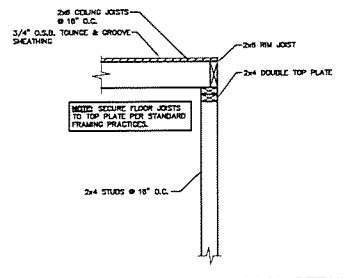
**CEILING JOIST @ HEADER DETAIL**  
SCALE: 1"=1'-0"



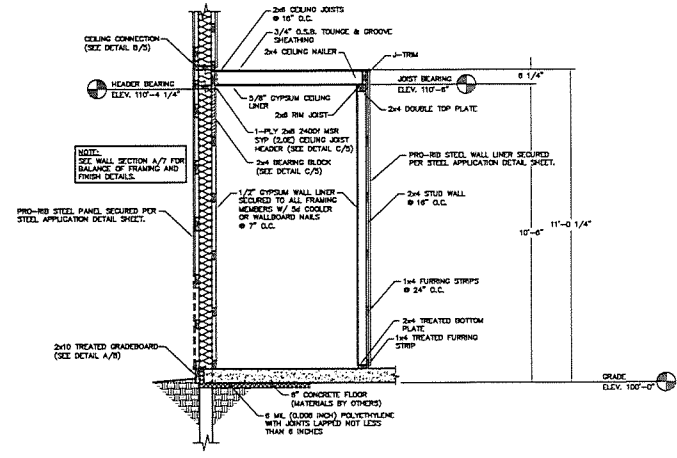
**CEILING CONNECTION DETAIL**  
SCALE: 1/2"=1'-0"



**CEILING CONNECTION DETAIL**  
SCALE: 1/2"=1'-0"



**CEILING JOIST @ STUD WALL DETAIL**  
SCALE: 1"=1'-0"



**SIDEWALL SECTION (HALLWAY CEILING)**  
SCALE: 1/2"=1'-0"

**AAA ENGINEERING SERVICES**  
800.526.88.100 1000 N. 10th Street, Suite 1000, Twin Lakes, WI 53181

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:  
[ENGINEERING@WESTMANUFACTURING.COM](mailto:ENGINEERING@WESTMANUFACTURING.COM)

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI

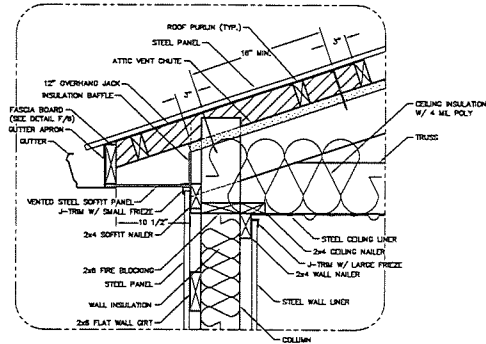
PROF. ENGINEER: JEFF MURRAY  
 PLAN DESIGNER: MATT KUBDAL  
 DRAWN BY: JMS  
 DATE: 12/9/2023  
 SCALE: AS NOTED

REVISIONS

NO.	DATE	DESCRIPTION	BY
1			
2			

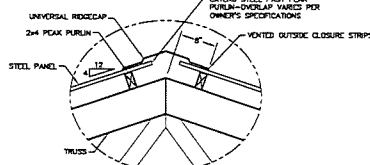
SHEET TITLE:  
 HALLWAY CEILING FRAMING PLAN AND DETAILS  
 FILE NAME: S36023M  
 SHEET NO.  
**S5**

**NOTE:**  
PURLIN SECURED TO OVERHANG JACKS W/ MITER JOIST PURLIN HANGERS (SEE DETAIL 1/1-1) PER OWNER SPECIFICATIONS

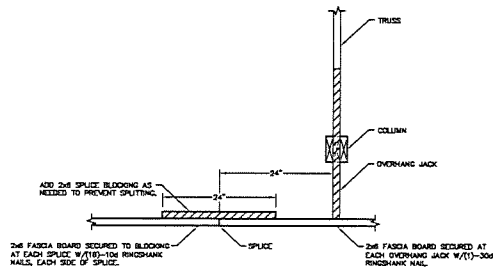


**12\"/>**

**NOTE:**  
2\"/>



**PEAK PURLIN DETAIL**  
SCALE: 1\"/>



**FASCIA BOARD DETAIL**  
SCALE: 1\"/>

**WALL SECTION FASTENER NOTES**

**OVERHANG JACKS:**  
OVERHANG JACKS SECURED TO TRUSSES WITH (2)-30# RINGSHANK NAILS, 18\"/>

**SOFFIT HANGERS:**  
SOFFIT HANGERS SECURED WITH (2)-30# RINGSHANK NAILS AT EACH SOFFIT HANGER TO COLUMN LOCATION.

**WALL SHEETS:**  
WALL SHEETS SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GRIT TO COLUMN LOCATION.

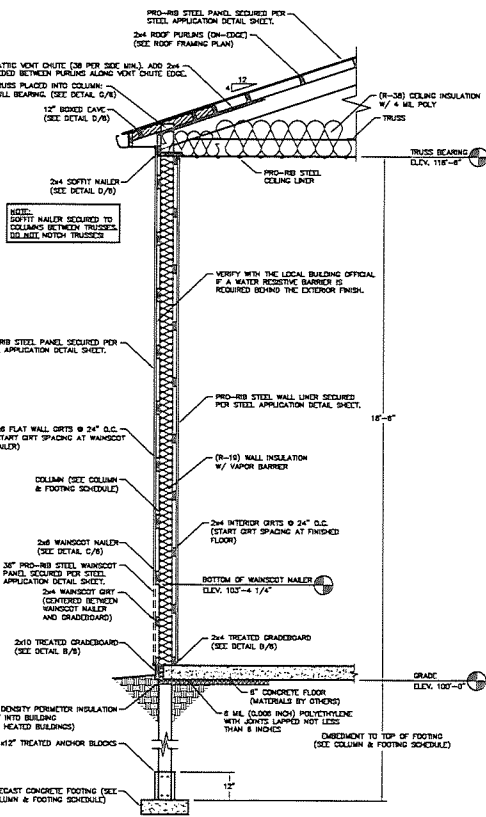
**WAINSCOTT PANELS:**  
WAINSCOTT PANELS SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WAINSCOTT HANGER TO COLUMN LOCATION.

**WAINSCOTT GRITS:**  
WAINSCOTT GRIT SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WAINSCOTT GRIT TO COLUMN LOCATION.

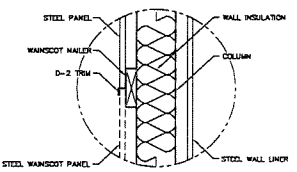
**INTERIOR TREATED GRADBOARD:**  
TREATED GRADBOARD SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GRADBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADBOARD:**  
TREATED GRADBOARD SECURED WITH (4)-30# RINGSHANK NAILS AT EACH GRADBOARD TO COLUMN LOCATION.

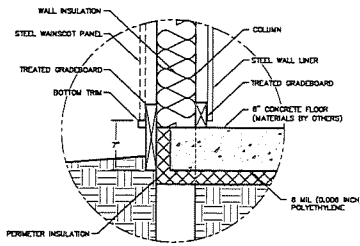
**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30# RINGSHANK NAILS, EACH BLOCK.



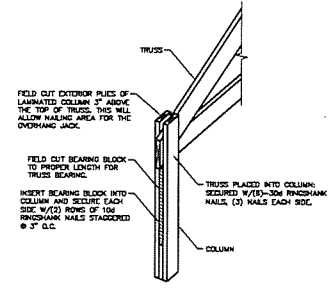
**SIDEWALL SECTION (STORAGE AREA)**  
SCALE: 1\"/>



**D-2 TRIM DETAIL**  
SCALE: 1\"/>



**GRADE DETAIL**  
SCALE: 1\"/>



**TRUSS INSTALLATION DETAIL**  
NOT TO SCALE

**AAA ENGINEERING SERVICES**  
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@AAAENGINEERINGMANUFACTURING.COM

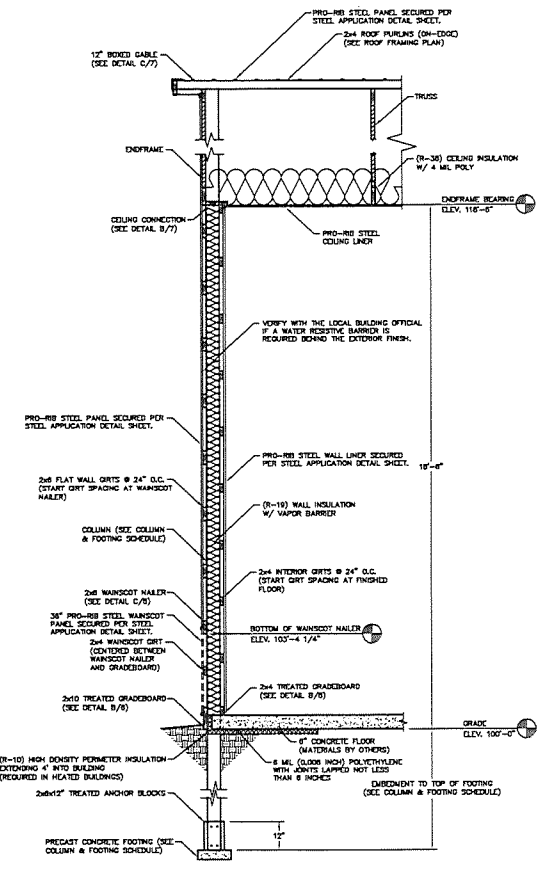
**PROJECT TITLE:**  
2ND BUILDING

**THIN LAKES, WI**  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: WATT KUBEHL  
DRAWN BY: JMC  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

**SHEET TITLE:**  
(STORAGE AREA) SIDEWALL SECTION AND SECTION DETAILS  
FILE NAME: S36023W  
SHEET NO. **S6**

STEEL OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE IF THE INSULATION IS BLOWN INTO PLACE. THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MINIMUM INITIAL INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANEL.



**A** ENDWALL SECTION (STORAGE AREA)  
SCALE: 1/2"=1'-0"

**WALL SECTION FASTENER NOTES**

**ENDFRAME:**  
ENDFRAME SECURED TO ALL ENDWALL COLUMNS WITH (4)-30# RINGSHANK NAILS AT EACH ENDFRAME TO COLUMN LOCATION.

**WALL GRTS:**  
WALL GRTS SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GRT TO COLUMN LOCATION.

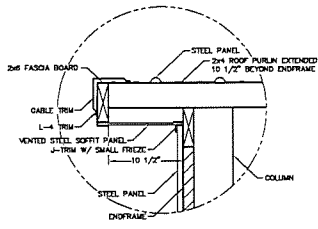
**WANSKOT MAILER:**  
WANSKOT MAILER SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WANSKOT MAILER TO COLUMN LOCATION.

**WANSKOT GRT:**  
WANSKOT GRT SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WANSKOT GRT TO COLUMN LOCATION.

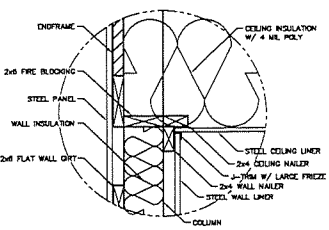
**INTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (4)-30# RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

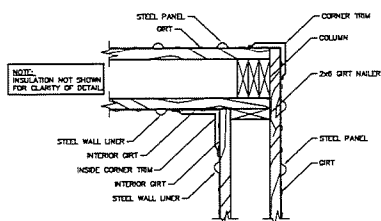
**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30# RINGSHANK NAILS, EACH BLOCK.



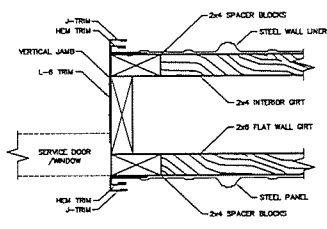
**6** 12" BOXED GABLE DETAIL  
SCALE: 1/2"=1'-0"



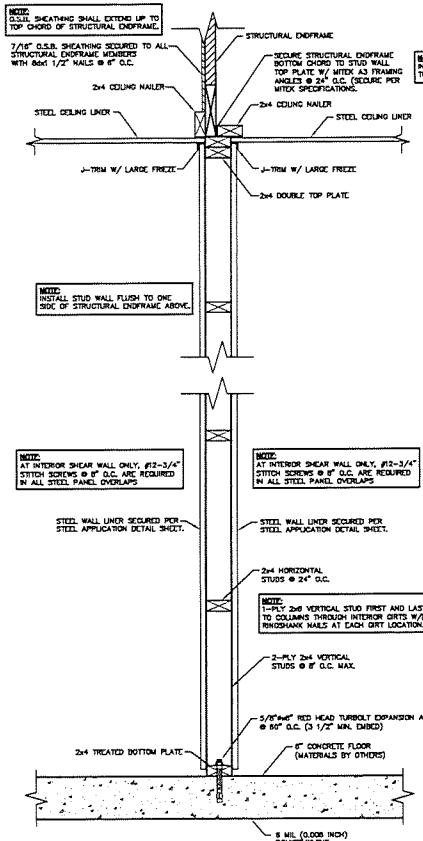
**B** CEILING CONNECTION DETAIL  
SCALE: 1/2"=1'-0"



**C** CORNER TRIM DETAIL  
SCALE: 1/2"=1'-0"



**D** SERVICE DOOR / WINDOW JAMB DETAIL  
SCALE: 3/4"=1'-0"



**E** REQUIRED SHEAR WALL DETAIL  
SCALE: 1/2"=1'-0"

**AAA**  
**ENGINEERING SERVICES**  
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@WESTMANUFACTURING.COM

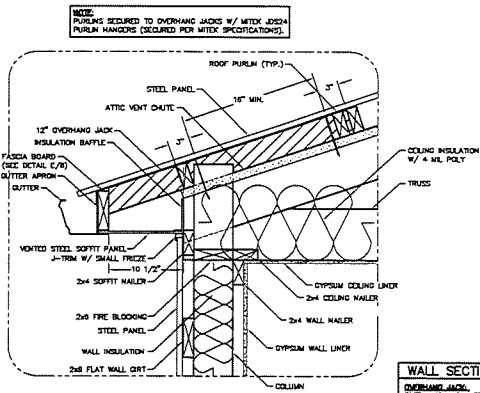
PROJECT TITLE:  
**2ND BUILDING**

THIN LAKES, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBISH  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

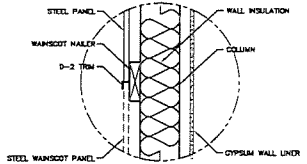
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

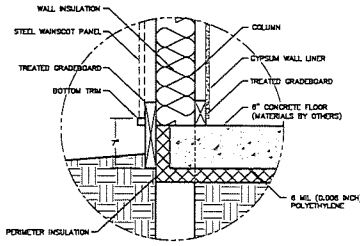
SHEET TITLE:  
(STORAGE AREA)  
ENDWALL SECTION AND SECTION DETAILS  
FILE NAME: S36023W  
SHEET NO.  
**S7**



**12" BOXED EAVE DETAIL**  
SCALE: 1/2"=1'-0"



**D-2 TRIM DETAIL**  
SCALE: 1/2"=1'-0"



**GRADE DETAIL**  
SCALE: 1/2"=1'-0"

**WALL SECTION FASTENER NOTES**

**OVERHANG JACK:**  
OVERHANG JACKS SECURED TO TRUSS WITH (2)-#10 RINGSHANK NAILS, 18" MAX. APART.

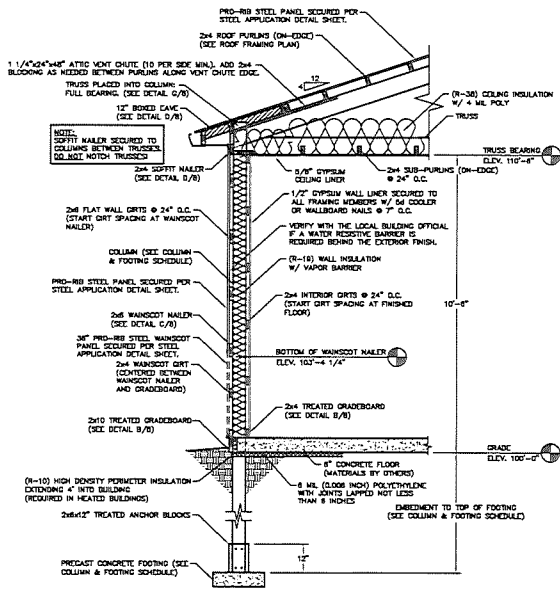
**SOFFIT MALER:**  
SOFFIT MALER SECURED WITH (2)-#10 RINGSHANK NAILS AT EACH SOFFIT MALER TO COLUMN LOCATION.

**WAINSCOT MALER:**  
WAINSCOT MALER SECURED WITH (2)-#10 RINGSHANK NAILS AT EACH WAINSCOT MALER TO COLUMN LOCATION.

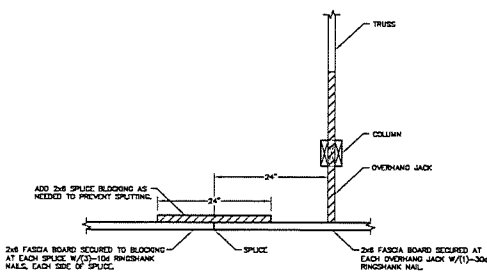
**WAINSCOT GRT:**  
WAINSCOT GRT SECURED WITH (2)-#10 RINGSHANK NAILS AT EACH WAINSCOT GRT TO COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARDS SECURED WITH (2)-#10 RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

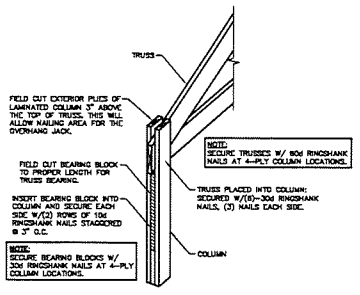
**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-#10 RINGSHANK NAILS, EACH BLOCK.



**SIDEWALL SECTION (OFFICE AREA)**  
SCALE: 1/2"=1'-0"



**FASCIA BOARD DETAIL**  
SCALE: 1"=1'-0"



**TRUSS INSTALLATION DETAIL**  
NOT TO SCALE

**AAA ENGINEERING SERVICES**  
800 WEST 9th, SUITE 1000, WYOMING CITY, WY 82301-1000  
FOR QUESTIONS PLEASE CONTACT BUILDING DEPARTMENT AT THE FOLLOWING: ENGINEERING@WESTMANUFACTURING.COM

PROJECT TITLE:  
**TWIN LAKES, WY  
2ND BUILDING**

PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBEL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

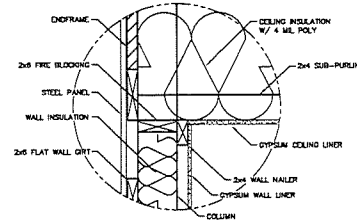
REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:  
**(OFFICE AREA)  
SIDEWALL SECTION AND  
SECTION DETAILS**

FILE NAME: S3602.3W  
SHEET NO.  
**S8**



NOTE: OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE IF THE INSULATION IS BLOWN INTO PLACE. THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MARKER METAL INSTALLED THROUS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANELS.



CEILING CONNECTION DETAIL  
SCALE: 1 1/2"=1'-0"

**WALL SECTION FASTENER NOTES**

**ENDFRAME:**  
ENDFRAME SECURED TO ALL ENDWALL COLUMNS WITH (3)-306 RHINOSHANK NAILS AT EACH ENDFRAME TO COLUMN LOCATION.

**WALL Girts:**  
WALL Girts SECURED WITH (2)-306 RHINOSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

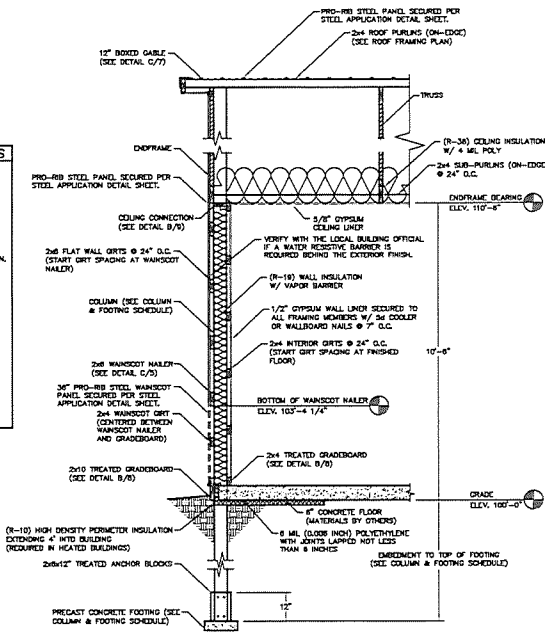
**WAINSCOT HALER:**  
WAINSCOT HALER SECURED WITH (2)-306 RHINOSHANK NAILS AT EACH WAINSCOT HALER TO COLUMN LOCATION.

**WAINSCOT GIRT:**  
WAINSCOT GIRT SECURED WITH (2)-306 RHINOSHANK NAILS AT EACH WAINSCOT GIRT TO COLUMN LOCATION.

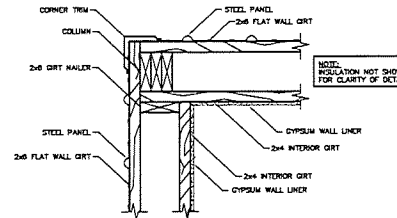
**INTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (2)-306 RHINOSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**  
TREATED GRADEBOARD SECURED WITH (4)-306 RHINOSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

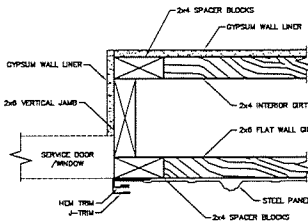
**TREATED ANCHOR BLOOD:**  
TREATED ANCHOR BLOOD SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-306 RHINOSHANK NAILS EACH BLOOD.



ENDWALL SECTION (OFFICE AREA)  
SCALE: 1/2"=1'-0"



CORNER TRIM DETAIL  
SCALE: 1 1/2"=1'-0"



SERVICE DOOR/WINDOW JAMB DETAIL  
SCALE: 3"=1'-0"



**ENGINEERING SERVICES**

2025 STATE ST., 2ND FLOOR, WESTLAKE, WI 53091-1700

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@WESTLAKEFACTURING.COM

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI  
PROJ. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: WATT KURBHL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:  
OFFICE AREA  
ENDWALL SECTION AND SECTION DETAILS

FILE NAME: S36023W  
SHEET NO.

S9

**WALL SECTION FASTENER NOTES**

**ENDFRAME:**  
ENDFRAME SECURED TO ALL ENDWALL COLUMNS WITH (4)-30# RINGSHANK NAILS AT EACH ENDFRAME TO COLUMN LOCATION.

**WALL GIRT:**  
WALL GIRT SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

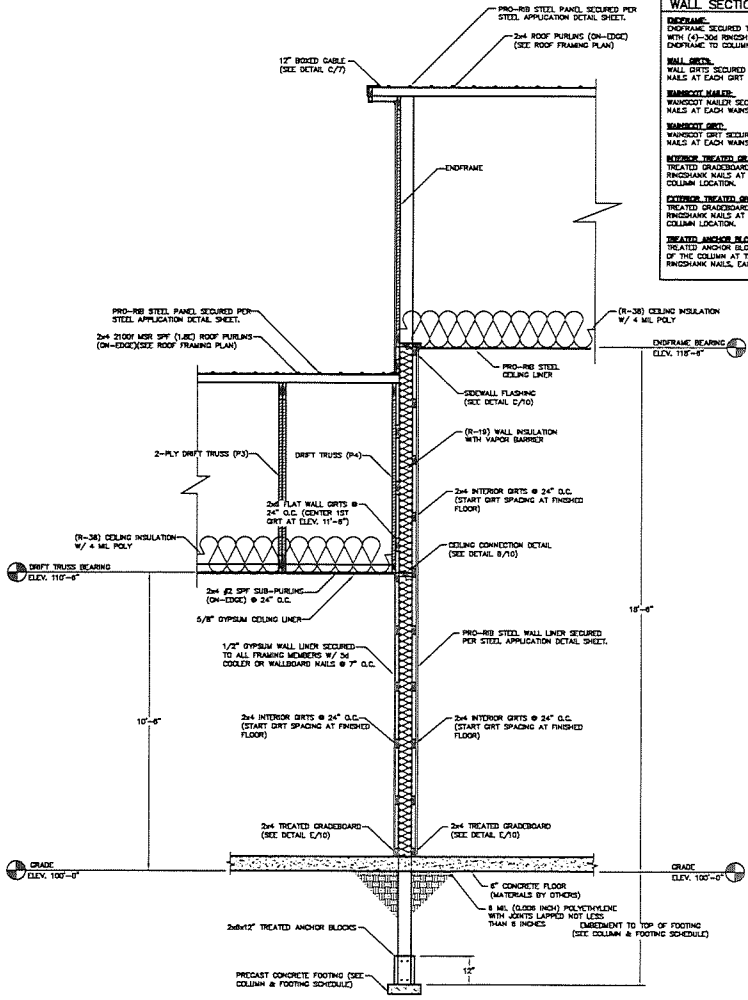
**WANGSOT NAILER:**  
WANGSOT NAILER SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WANGSOT GIRT TO COLUMN LOCATION.

**WANGSOT GIRT:**  
WANGSOT GIRT SECURED WITH (2)-30# RINGSHANK NAILS AT EACH WANGSOT GIRT TO COLUMN LOCATION.

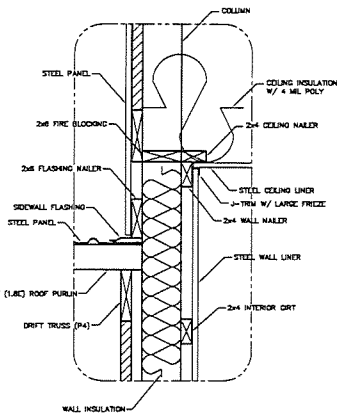
**INTERIOR TREATED GRADBOARD:**  
TREATED GRADBOARD SECURED WITH (2)-30# RINGSHANK NAILS AT EACH GRADBOARD TO COLUMN LOCATION.

**EXTERIOR TREATED GRADBOARD:**  
TREATED GRADBOARD SECURED WITH (4)-30# RINGSHANK NAILS AT EACH GRADBOARD TO COLUMN LOCATION.

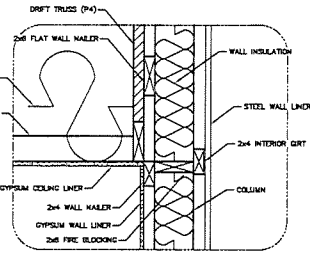
**TREATED ANCHOR BLOCKS:**  
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30# RINGSHANK NAILS EACH BLOCK.



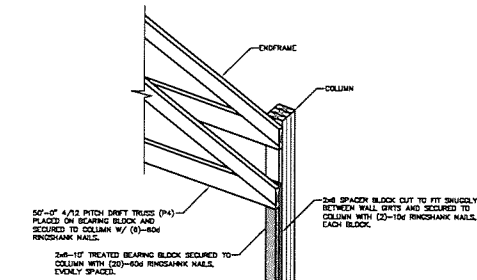
**A SHARED WALL SECTION**  
SCALE: 1/2\"/>



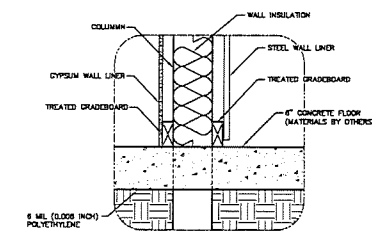
**C SIDEWALL FLASHING DETAIL**  
SCALE: 1/2\"/>



**B CEILING CONNECTION DETAIL**  
SCALE: 1/2\"/>



**D BEARING BLOCK/DRIFT TRUSS INSTALLATION DETAIL**  
NOT TO SCALE



**E GRADE DETAIL**  
SCALE: 1/2\"/>

**AAA ENGINEERING SERVICES**  
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@WESTMANUFACTURING.COM

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI

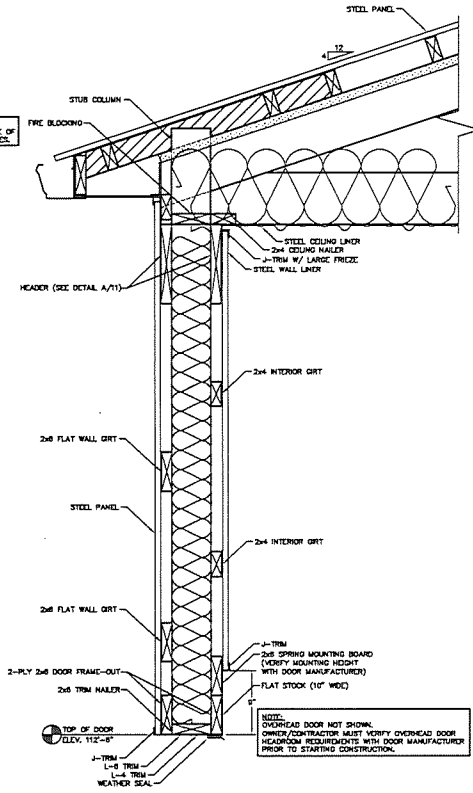
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBEHL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

NO	DATE	DESCRIPTION	BY
1			
2			

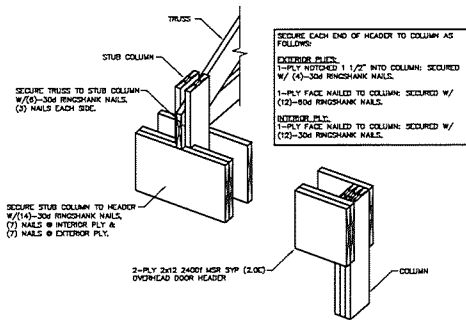
SHEET TITLE:  
SHARED WALL SECTION AND SECTION DETAILS

FILE NAME: S36023W  
SHEET NO. **S10**

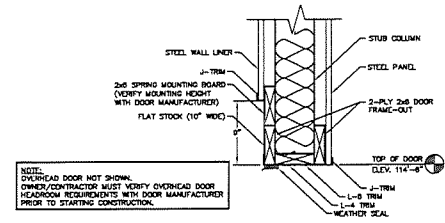
NOTE:  
SEE DETAIL 0/8 FOR BALANCE OF  
BUILDING FRAMING AND FINISHES.



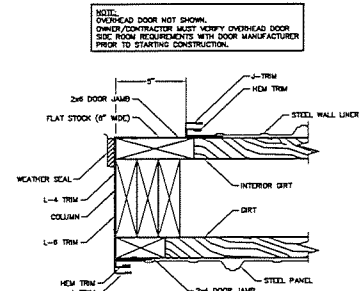
**SIDEWALL OVERHEAD DOOR FRAME-OUT DETAIL**  
SCALE: 1/2"=1'-0"



**OVERHEAD DOOR HEADER INSTALLATION DETAIL**  
NOT TO SCALE



**ENDWALL OVERHEAD DOOR FRAME-OUT DETAIL**  
SCALE: 1/2"=1'-0"



**OVERHEAD DOOR JAMB DETAIL**  
SCALE: 3/4"=1'-0"



**ENGINEERING SERVICES**

FOR QUESTIONS PLEASE CONTACT BUILDING  
DESIGNER AT THE FOLLOWING:  
ENGINEER@MIDWESTMANUFACTURING.COM

PROJECT TITLE:  
**2ND BUILDING**

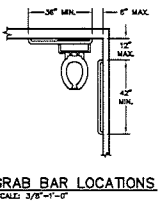
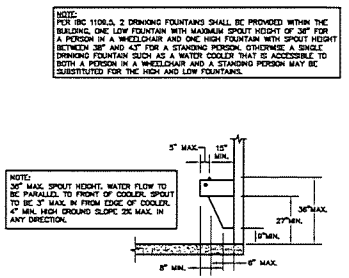
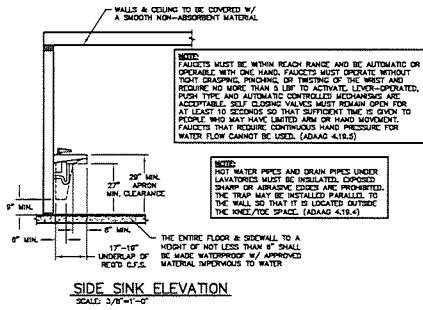
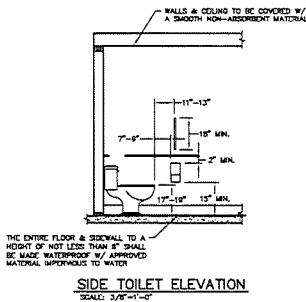
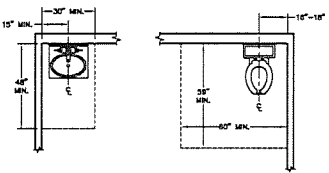
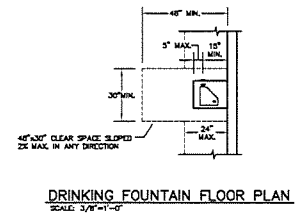
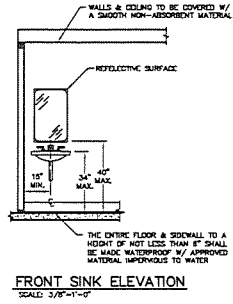
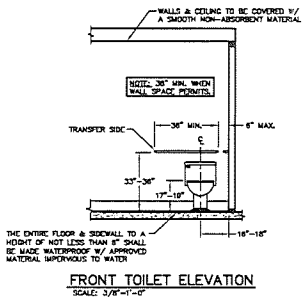
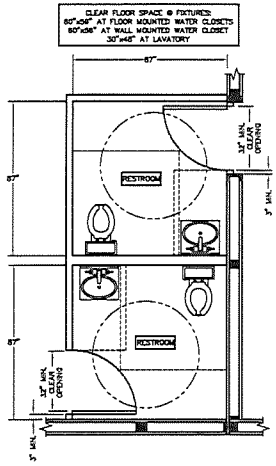
TWIN LAKES, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBSCH  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:  
**OVERHEAD DOOR DETAILS**

FILE NAME: S36023W  
SHEET NO.

**S11**



**AAA**  
ENGINEERING SERVICES  
1800 STATE ST. SUITE 2000, TWIN LAKES, WI 53091-2000  
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: [ENGINEER@MWDUSTMANUFACTURING.COM](mailto:ENGINEER@MWDUSTMANUFACTURING.COM)

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI

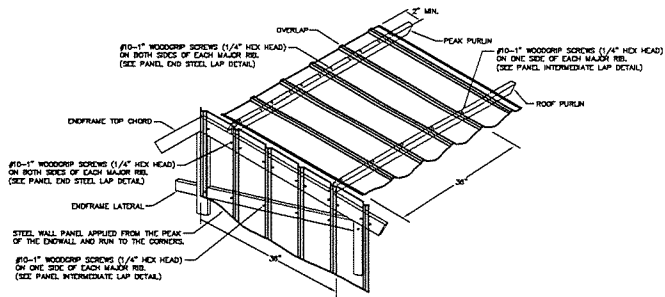
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBSHL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

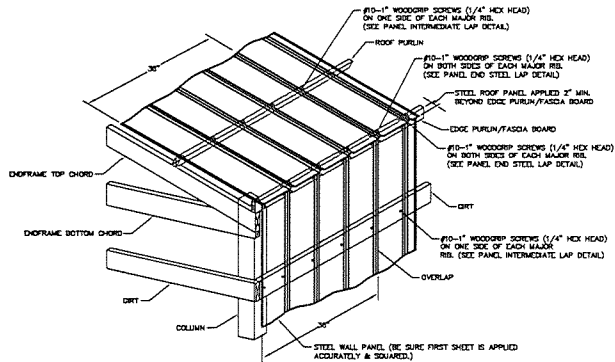
SHEET TITLE:  
RESTROOM DETAILS

FILE NAME: S36023M  
SHEET NO.  
**S12**

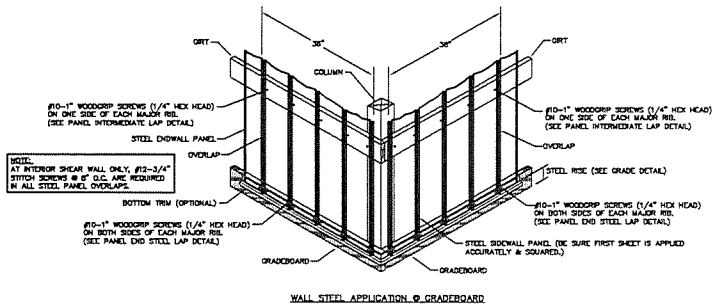




ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



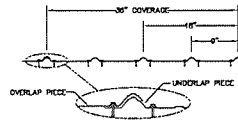
ROOF & SIDEWALL STEEL APPLICATION @ EAVE



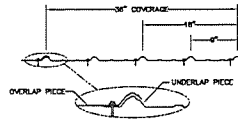
STEEL APPLICATION DETAILS

**STEEL PANEL INSTALLATION GENERAL NOTES:**

- 1) PROPER LAPPING OF STEEL PANEL IS VERY IMPORTANT IN THE PANEL'S ABILITY TO PREVENT LEAKING, OVERSEATING AND UNDERSEATING OF LAP IS NOT PERMITTED.
- 2) FASTENER TIGHTNESS IS CRITICAL IN THE LONGEVITY OF THE FASTENER'S ABILITY TO HELP PREVENT LEAKS AND STRUCTURAL LOAD CARRYING CAPACITY. OVER-TIGHTENING OF SCREWS WILL REDUCE THE SCREWS' WITHSTAND CAPACITY, REGARDLESS OF THE CONSTRUCTION MATERIALS INVOLVED. UNDER-TIGHTENING OF SCREWS WILL INCREASE THE POTENTIAL OF ROOF LEAKS.
- 3) FASTENER LOCATION IS CRITICAL FOR INSTALLERS TO MINIMIZE THE POTENTIAL OF OIL CANNING, DAMPLES, AND OTHER APPEARANCE RELATED ISSUES.
- 4) THE ANTI-SYPHON DRAIN CHANNEL MUST BE CLEAR OF DEBRIS AND OBSTRUCTIONS FOR THE PANEL'S ABILITY TO MINIMIZE THE POTENTIAL OF CAPILLARY ACTION OF WATER FROM GETTING UNDER THE STEEL PANEL.

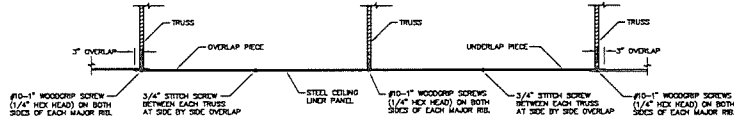


PANEL END STEEL LAP DETAIL  
NOT TO SCALE

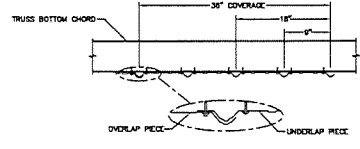


PANEL INTERMEDIATE LAP DETAIL  
NOT TO SCALE

**NOTE:** THE RECOMMENDED PROCEDURE FOR APPLYING CEILING LINER IS: APPLYING 1\"/>



STEEL APPLICATION DETAIL @ CEILING LINER  
SCALE: 1/2\"/>



STEEL CEILING LINER-LAP DETAIL  
NOT TO SCALE



**ENGINEERING SERVICES**

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: [ENGINEERING@WESTMANUFACTURING.COM](mailto:ENGINEERING@WESTMANUFACTURING.COM)

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI  
PRINC. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: WATT KUBICKI  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

SHEET TITLE:  
STEEL APPLICATION DETAILS

FILE NAME: S36023W  
SHEET NO.

**S13**

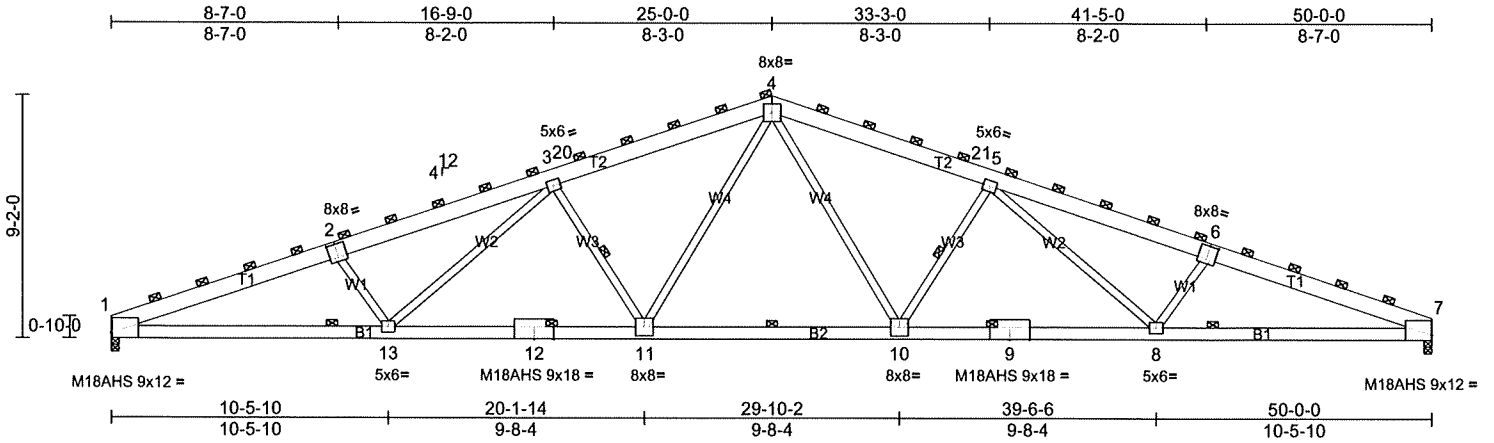
Job QTREC0818062	Truss P4	Truss Type COMMON	Qty 1	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Wed Dec 06 15:40:06

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Scale = 1:83.3

Plate Offsets (X, Y): [1:0-0-4,Edge], [2:0-4-0,0-6-0], [6:0-4-0,0-6-0], [7:0-0-4,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	101.1	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-1.03	11-13	>584	240	M18AHS	186/179
Snow (Ps/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-1.18	11-13	>506	180	MT20	197/144
TCDL	4.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.39	7	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-MS								
BCDL	10.0											Weight: 342 lb FT = 15%

**LUMBER**

TOP CHORD 2x8 SP 2400F 2.0E  
 BOT CHORD 2x6 SP 2400F 2.0E  
 WEBS 2x4 SPF Stud \*Except\* W2,W4:2x4 SPF No.2

**BRACING**

TOP CHORD 2-0-0 oc purlins (2-5-4 max.).  
 BOT CHORD 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 3-11, 5-10

**REACTIONS** (lb/size) 1=1740/0-3-8, (req. 0-4-12), 7=1740/0-3-8, (req. 0-4-12)  
 Max Horiz 1=-87 (LC 13)  
 Max Uplift 1=-389 (LC 8), 7=-389 (LC 9)  
 Max Grav 1=5755 (LC 2), 7=5755 (LC 2)

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**FORCES**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-13997/940, 2-3=-13132/908, 3-20=-10644/732, 4-20=-10606/745, 4-21=-10606/745, 5-21=-10643/732, 5-6=-13132/909, 6-7=-13997/940  
 BOT CHORD 1-13=-898/12956, 12-13=-706/11116, 11-12=-706/11116, 10-11=-449/8422, 9-10=-646/11116, 8-9=-646/11116, 7-8=-838/12956  
 WEBS 2-13=-1377/185, 3-13=-133/1876, 3-11=-2719/294, 4-11=-228/2951, 4-10=-228/2951, 5-10=-2719/294, 5-8=-134/1876, 6-8=-1377/186

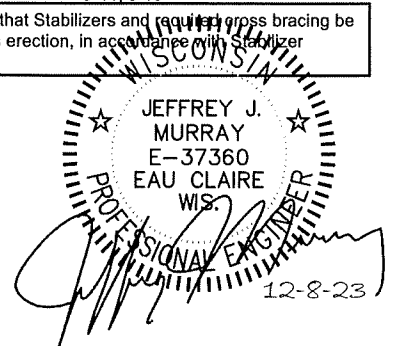
**JOINT STRESS INDEX**

1 = 0.90, 2 = 0.93, 3 = 0.74, 4 = 0.88, 5 = 0.74, 6 = 0.93, 7 = 0.90, 8 = 0.68, 9 = 0.79, 10 = 0.71, 11 = 0.71, 12 = 0.79 and 13 = 0.68

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=2.4psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=101.1 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=20.8 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING: Required bearing size at joint(s) 1, 7 greater than input bearing size.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 389 lb uplift at joint 1 and 389 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard



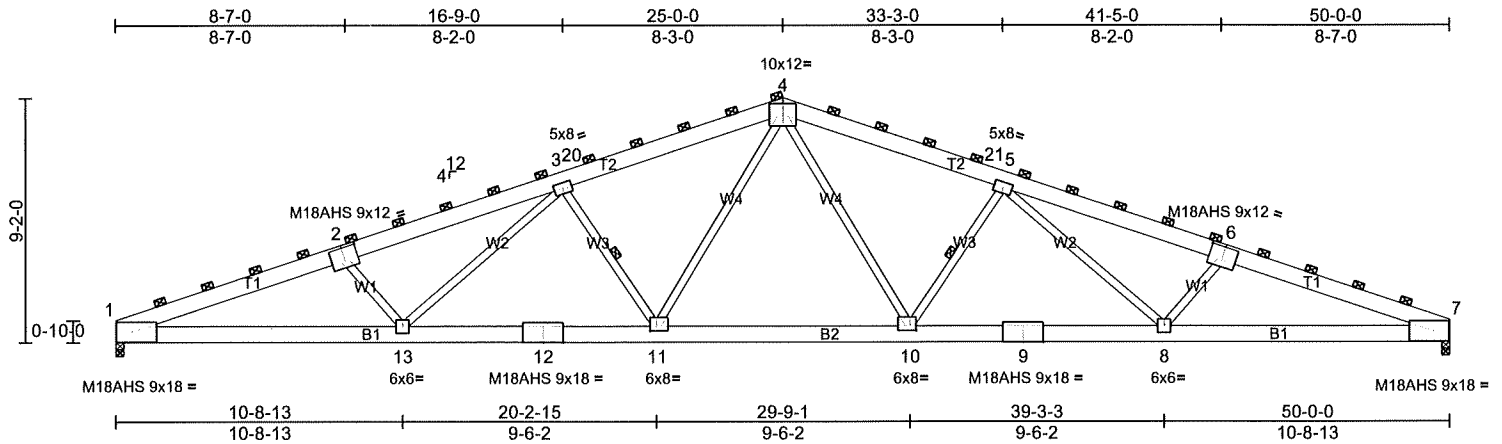
Job QTREC0818062	Truss P3	Truss Type COMMON	Qty 2	Ply 2	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Wed Dec 06 15:40:01

Page: 1

ID:jyr3xqlfCer68XPzdss8q2yKYBw-1LA2UgCWzIUenJHJ4c9FT4yGBE00Sawjvjtww6yBeVC



Scale = 1:83

Plate Offsets (X, Y): [1:0-7-1,0-4-8], [2:0-6-0,0-6-0], [6:0-6-0,0-6-0], [7:0-7-1,0-4-8], [10:0-2-12,0-2-0], [11:0-2-12,0-2-0]

<b>Loading</b>	(psf)	<b>Spacing</b>	8-0-0	<b>CSI</b>		<b>DEFL</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL (roof)	53.1	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.97 11-13	>617	240	M18AHS	186/179
Snow (Ps/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-1.24 11-13	>484	180	MT20	197/144
TCDL	4.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.35 7	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-MS							
BCDL	10.0										Weight: 757 lb FT = 15%

**LUMBER**

TOP CHORD 2x8 SP 2400F 2.0E  
 BOT CHORD 2x8 SP 2400F 2.0E  
 WEBS 2x4 SPF Stud \*Except\* W2,W4:2x4 SPF No.2

**BRACING**

TOP CHORD 2-0-0 oc purlins (3-1-7 max.).  
 BOT CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 3-11, 5-10

**REACTIONS**

(lb/size) 1=6958/0-3-8, (req. 0-5-9), 7=6958/0-3-8, (req. 0-5-9)  
 Max Horiz 1=-348 (LC 13)  
 Max Uplift 1=-1558 (LC 8), 7=-1558 (LC 9)  
 Max Grav 1=13420 (LC 2), 7=13420 (LC 2)

**FORCES**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-33153/3841, 2-3=-31055/3652, 3-20=-24994/2940, 4-20=-24911/2990, 4-21=-24911/2990, 5-21=-24995/2940,  
 5-6=-31055/3654, 6-7=-33153/3843  
 BOT CHORD 1-13=-3675/30876, 12-13=-2852/26138, 11-12=-2852/26138, 10-11=-1810/19786, 9-10=-2611/26138, 8-9=-2611/26138,  
 7-8=-3436/30876  
 WEBS 2-13=-3212/779, 3-13=-521/4563, 3-11=-6151/1176, 4-11=-910/7009, 4-10=-910/7009, 5-10=-6151/1176, 5-8=-523/4563,  
 6-8=-3212/780

**JOINT STRESS INDEX**

1 = 0.74, 2 = 0.55, 3 = 0.74, 4 = 0.88, 5 = 0.74, 6 = 0.55, 7 = 0.74, 8 = 0.72, 9 = 0.73, 10 = 0.86, 11 = 0.86, 12 = 0.73 and 13 = 0.72

**NOTES**

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
 Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.  
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.  
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=2.4psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=53.1 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=20.8 psf (roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING:** Required bearing size at joint(s) 1, 7 greater than input bearing size.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1558 lb uplift at joint 1 and 1558 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



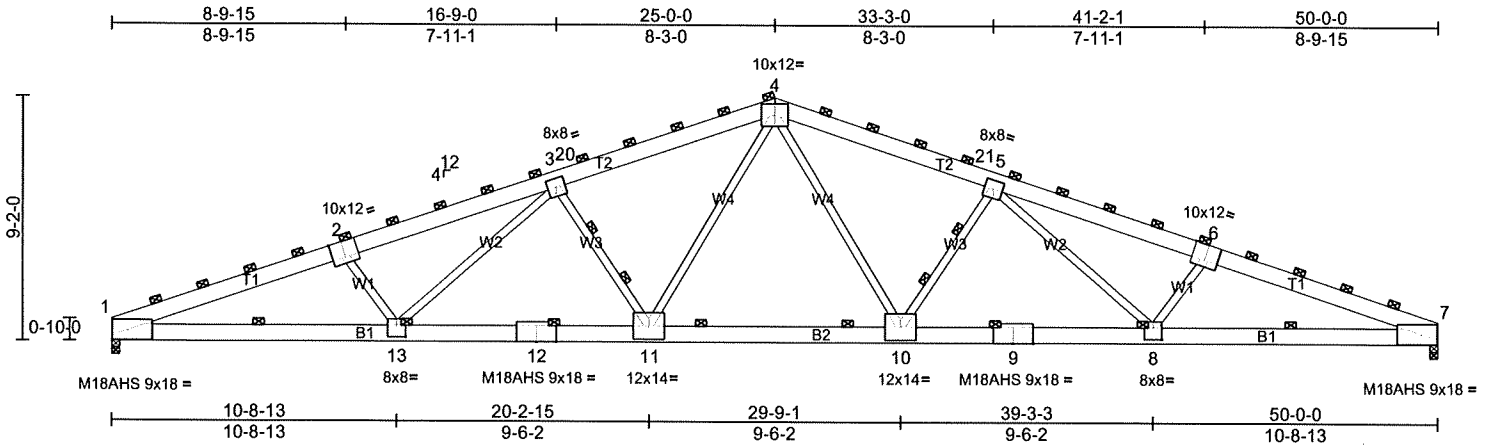
Job QTREC0818062	Truss P2	Truss Type COMMON	Qty 4	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Wed Dec 06 15:39:50

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Scale = 1:83

Plate Offsets (X, Y): [1:0-7-1,0-4-8], [2:0-6-0,Edge], [6:0-6-0,Edge], [7:0-7-1,0-4-8], [8:0-4-0,0-5-4], [13:0-4-0,0-5-4]

Loading	(psf)	Spacing	8-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.74	11-13	>814	240	M18AHS	186/179
Snow (Ps/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-1.26	11-13	>477	180	MT20	197/144
TCDL	4.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.35	7	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-MS								
BCDL	10.0											
											Weight: 378 lb	FT = 15%

**LUMBER**

TOP CHORD 2x8 SP 2400F 2.0E  
 BOT CHORD 2x8 SP 2400F 2.0E  
 WEBS 2x4 SPF Stud \*Except\* W2:2x4 SPF No.2, W4:2x4 SPF 1650F 1.5E

**BRACING**

TOP CHORD 2-0-0 oc purlins.  
 BOT CHORD 6-0-0 oc bracing.  
 WEBS 2 Rows at 1/3 pts

3-11, 5-10

**REACTIONS**

(lb/size) 1=6958/0-3-8, (req. 0-5-12), 7=6958/0-3-8, (req. 0-5-12)  
 Max Horiz 1=348 (LC 12)  
 Max Uplift 1=-1558 (LC 8), 7=-1558 (LC 9)

**FORCES**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-17053/3820, 2-3=-16218/3681, 3-20=-12958/2936, 4-20=-12922/2986, 4-21=-12922/2987, 5-21=-12959/2937,  
 5-6=-16218/3683, 6-7=-17053/3822  
 BOT CHORD 1-13=-3650/15919, 12-13=-2848/13482, 11-12=-2848/13482, 10-11=-1811/10229, 9-10=-2608/13482, 8-9=-2608/13482,  
 7-8=-3411/15919  
 WEBS 2-13=-1303/767, 3-13=-558/2556, 3-11=-3387/1172, 4-11=-905/4263, 4-10=-905/4263, 5-10=-3387/1173, 5-8=-560/2556,  
 6-8=-1303/769

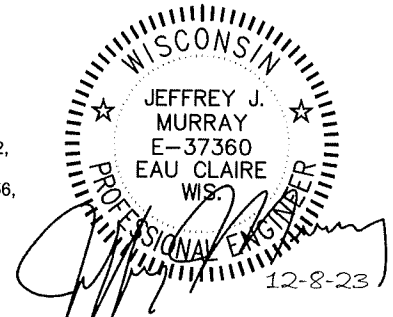
**JOINT STRESS INDEX**

1 = 0.76, 2 = 1.00, 3 = 0.67, 4 = 0.92, 5 = 0.67, 6 = 1.00, 7 = 0.76, 8 = 0.71, 9 = 0.76, 10 = 0.88, 11 = 0.88, 12 = 0.76 and 13 = 0.71

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=2.4psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=20.8 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING: Required bearing size at joint(s) 1, 7 greater than input bearing size.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1558 lb uplift at joint 1 and 1558 lb uplift at joint 7.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
QTREC0818062	XP1SE	COMMON	1	1	

Midwest Manufacturing, Eau Claire, WI

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14) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard



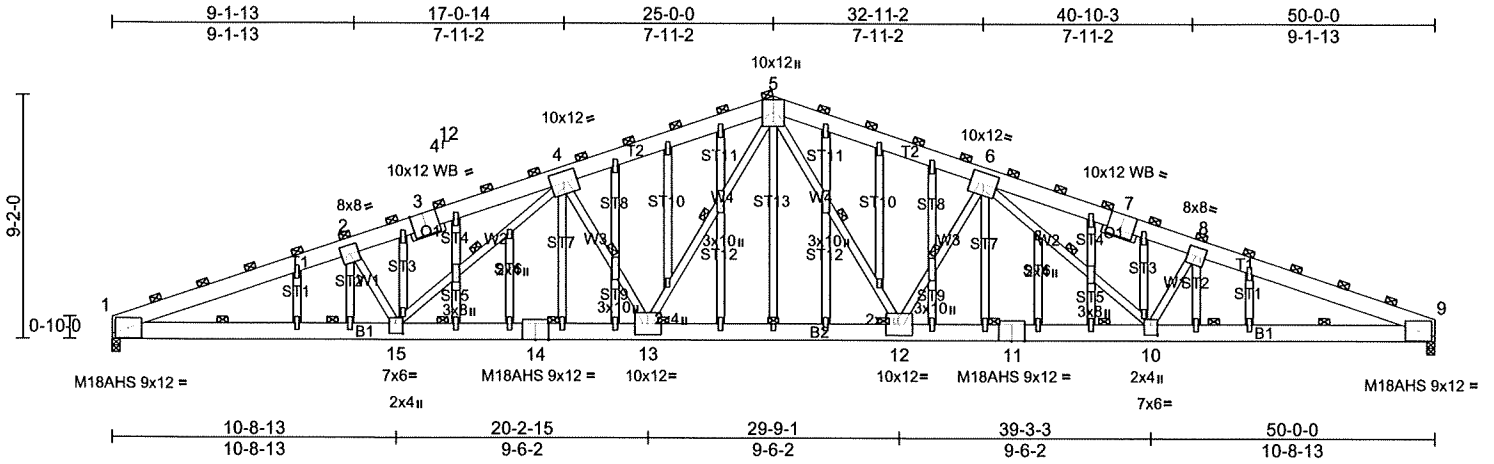
Job QTREC0818062	Truss XP1SE	Truss Type COMMON	Qty 1	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Wed Dec 06 15:40:14

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ID:SFzQ8zwr9D0GRhvi4kkWgvyKYmc-9rSyD6Mgvl7orJmPLrulVp\_UCIqH?RQijFX5usyBeV?



Scale = 1:83.2

Plate Offsets (X, Y): [3:0-6-0,Edge], [7:0-6-0,Edge], [10:0-3-0,0-4-8], [15:0-3-0,0-4-8]

Loading	(psf)	Spacing	8-0-0	CSI	0.80	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.74 13-15	>811	240	M18AHS	186/179
Snow (Ps/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-1.07 13-15	>559	180	MT20	244/190
TCDL	4.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.30 9	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-MS							
BCDL	5.0										
											Weight: 478 lb FT = 15%

**LUMBER**

TOP CHORD 2x8 SP 2400F 2.0E  
 BOT CHORD 2x8 SP 2400F 2.0E  
 WEBS 2x4 SPF Stud \*Except\* W2,W4:2x4 SPF No.2  
 OTHERS 2x4 SPF Stud \*Except\* ST13:2x4 SPF No.2

**BRACING**

TOP CHORD 2-0-0 oc purlins (2-5-2 max.).  
 BOT CHORD 4-6-0 oc bracing.  
 WEBS 1 Row at midpt 4-15, 4-13, 5-13, 5-12, 6-12, 6-10

**REACTIONS** (lb/size) 1=5958/0-3-8, (req. 0-4-15), 9=5958/0-3-8, (req. 0-4-15)  
 Max Horiz 1=588 (LC 16)  
 Max Uplift 1=-2639 (LC 8), 9=-2639 (LC 9)

**FORCES**

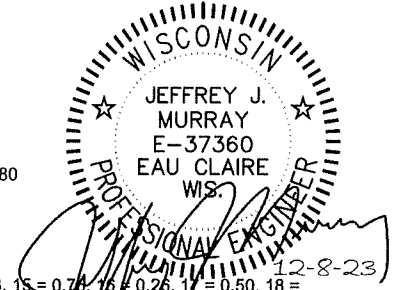
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-2=-14652/6379, 2-3=-13931/6190, 3-4=-13706/6222, 4-5=-11097/4951, 5-6=-11097/4952, 6-7=-13706/6225,  
 7-8=-13931/6193, 8-9=-14652/6382  
 BOT CHORD 1-15=-6179/13641, 14-15=-4805/11480, 13-14=-4805/11480, 12-13=-3161/8777, 11-12=-4374/11480, 10-11=-4374/11480  
 9-10=-5750/13641  
 WEBS 2-15=-1361/1187, 4-15=-1131/2209, 4-13=-3164/1835, 5-13=-1616/3687, 5-12=-1616/3687, 6-12=-3164/1836,  
 6-10=-1134/2209, 8-10=-1361/1189

**JOINT STRESS INDEX**

1 = 0.93, 2 = 0.20, 3 = 0.93, 4 = 0.44, 5 = 0.76, 6 = 0.44, 7 = 0.93, 8 = 0.20, 9 = 0.93, 10 = 0.76, 11 = 0.73, 12 = 0.77, 13 = 0.77, 14 = 0.73, 15 = 0.73, 16 = 0.26, 17 = 0.50, 18 = 0.26, 19 = 0.26, 20 = 0.38, 21 = 0.26, 22 = 0.50, 23 = 0.26, 24 = 0.26, 25 = 0.26, 26 = 0.26, 27 = 0.38, 28 = 0.39, 29 = 0.26, 30 = 0.26, 31 = 0.38, 32 = 0.26, 33 = 0.26, 34 = 0.26, 35 = 0.26, 36 = 0.26, 37 = 0.26, 38 = 0.50, 39 = 0.38, 40 = 0.26, 41 = 0.26, 42 = 0.26, 43 = 0.50, 44 = 0.26, 45 = 0.26, 46 = 0.38, 47 = 0.26, 48 = 0.26, 49 = 0.39, 50 = 0.38, 51 = 0.26, 52 = 0.26, 53 = 0.26 and 54 = 0.26

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=2.4psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; and vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=20.8 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 2x6 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING: Required bearing size at joint(s) 1, 9 greater than input bearing size.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2639 lb uplift at joint 1 and 2639 lb uplift at joint 9.



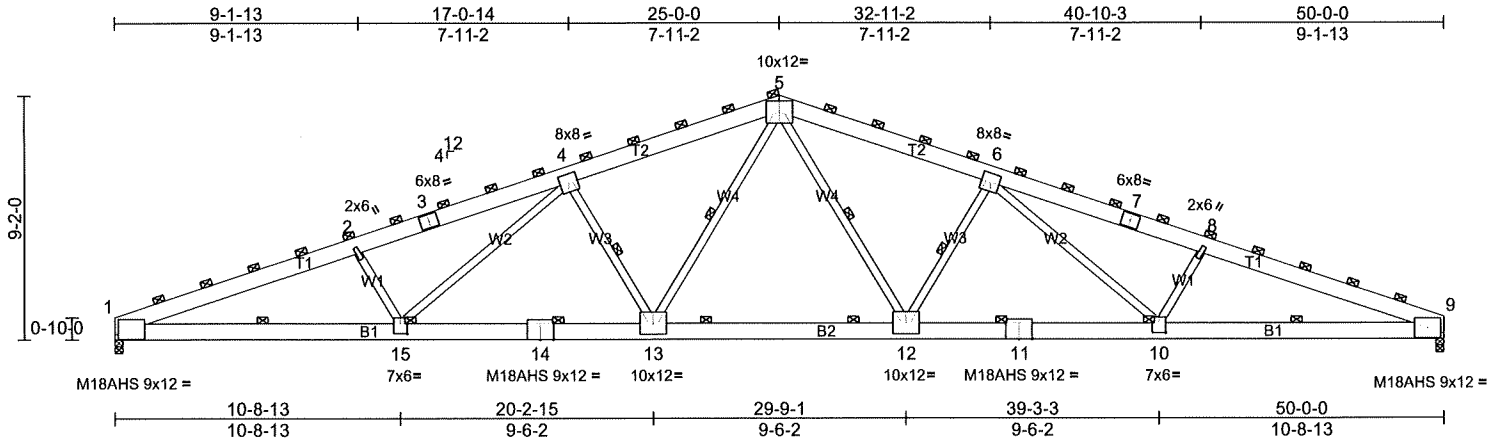
Job QTREC0818062	Truss P1	Truss Type COMMON	Qty 22	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

Run: 8.72 S Sep 6 2023 Print: 8.720 S Sep 6 2023 MiTek Industries, Inc. Wed Dec 06 15:39:40

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ID:SFzQBzwr9D0GRhvi4kkWgvyKYmc-9IO64UyLwrrcm4AHLIGK7eagnApr22?huyllhgyBeVX



Scale = 1:83.2

Plate Offsets (X, Y): [10:0-3-0,0-4-8], [15:0-3-0,0-4-8]

Loading	(psf)	Spacing	8-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.74	13-15	>811	240	M18AHS	186/179
Snow (Ps/Pg)	20.8/30.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-1.07	13-15	>559	180	MT20	244/190
TCDL	4.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.30	9	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-MS								
BCDL	5.0											
											Weight: 379 lb	FT = 15%

**LUMBER**

TOP CHORD 2x8 SP 2400F 2.0E  
 BOT CHORD 2x8 SP 2400F 2.0E  
 WEBS 2x4 SPF Stud \*Except\* W2,W4:2x4 SPF No.2

**BRACING**

TOP CHORD 2-0-0 oc purlins (2-5-2 max.).  
 BOT CHORD 6-0-0 oc bracing.  
 WEBS 1 Row at midpt 4-13, 5-13, 5-12, 6-12

**REACTIONS** (lb/size) 1=5958/0-3-8, (req. 0-4-15), 9=5958/0-3-8, (req. 0-4-15)

Max Horiz 1=-348 (LC 13)  
 Max Uplift 1=-1558 (LC 8), 9=-1558 (LC 9)

**FORCES**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-14652/3804, 2-3=-13931/3684, 3-4=-13706/3716, 4-5=-11097/3001, 5-6=-11097/3002, 6-7=-13706/3718,  
 7-8=-13931/3686, 8-9=-14652/3805  
 BOT CHORD 1-15=-3631/13641, 14-15=-2802/11480, 13-14=-2802/11480, 12-13=-1808/8777, 11-12=-2562/11480, 10-11=-2562/11480  
 9-10=-3392/13641  
 WEBS 2-15=-1361/787, 4-15=-638/2209, 4-13=-3164/1163, 5-13=-928/3687, 5-12=-928/3687, 6-12=-3164/1164,  
 6-10=-640/2209, 8-10=-1361/788

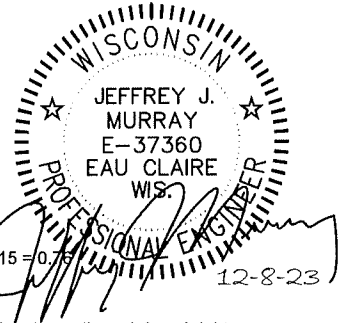
**JOINT STRESS INDEX**

1 = 0.93, 2 = 0.44, 3 = 0.82, 4 = 0.56, 5 = 0.79, 6 = 0.56, 7 = 0.82, 8 = 0.44, 9 = 0.93, 10 = 0.76, 11 = 0.73, 12 = 0.77, 13 = 0.77, 14 = 0.73 and 15 = 0.76

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=2.4psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=30.0 psf (ground snow); Ps=20.8 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Fully Exp.; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- WARNING: Required bearing size at joint(s) 1, 9 greater than input bearing size.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1558 lb uplift at joint 1 and 1558 lb uplift at joint 9.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

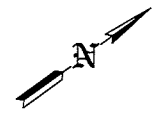
**LOAD CASE(S)** Standard



BUILDING DESIGN LOADS:

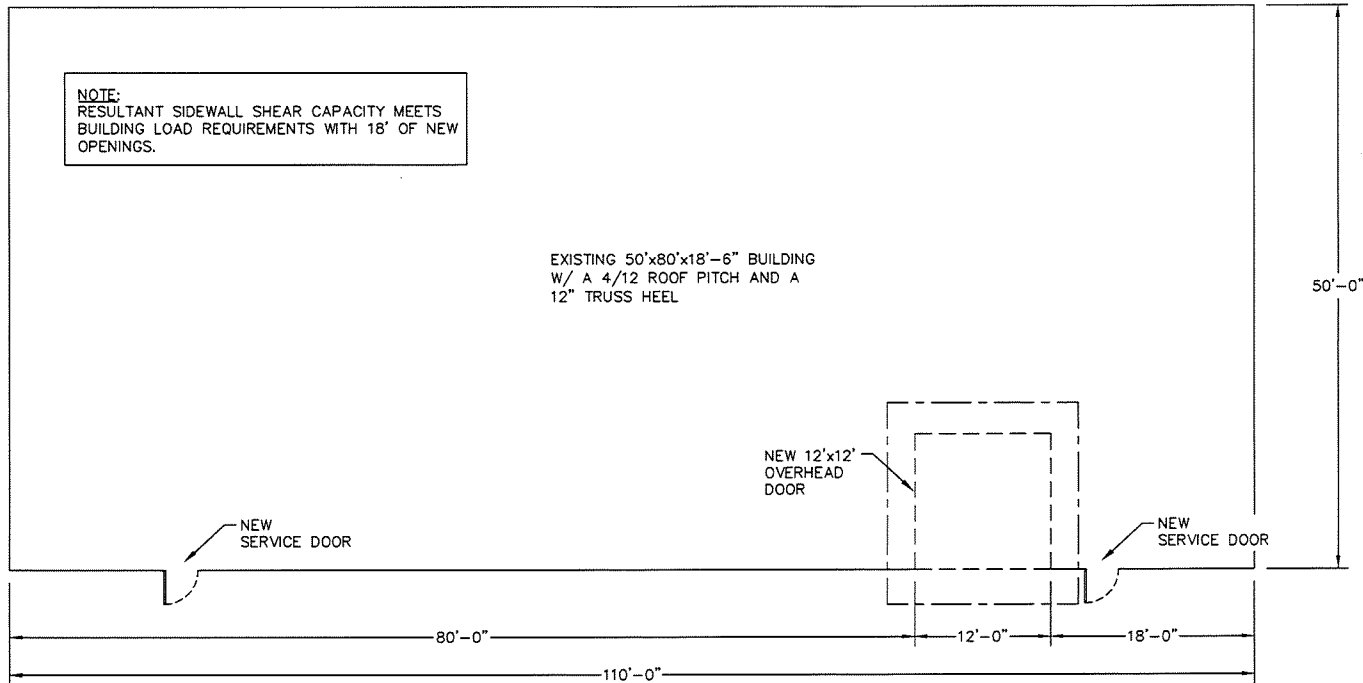
SNOW	WIND	SEISMIC	TRUSS DEAD LOADS
(Pg) = 30.0 PSF (Ce) = 0.90 (Is) = 1.00 (Ct) = 1.10 (Pf) = 20.79 PSF (Cs) = 1.00 (Ps) = 20.79 PSF (Lr) = 20.00 PSF	B.W.S. = 115 MPH EXPOSURE = C	- SEISMIC IMPORTANCE FACTOR: 1.00 - SPECTRA RESPONSE COEFFICIENT SDS: 0.116 - SPECTRA RESPONSE COEFFICIENT SD1: 0.085 - SITE CLASSIFICATION: D - SEISMIC DESIGN CATEGORY: E	DLTC = 4 PSF DLBC = 5 PSF

\*WITH UNBALANCED LOADS AS REQUIRED



NOTE:  
RESULTANT SIDEWALL SHEAR CAPACITY MEETS BUILDING LOAD REQUIREMENTS WITH 18' OF NEW OPENINGS.

EXISTING 50'x80'x18'-6" BUILDING  
W/ A 4/12 ROOF PITCH AND A  
12" TRUSS HEEL



**OVERALL FLOOR PLAN**  
SCALE: 3/32"=1'-0"



**ENGINEERING SERVICES**  
6321 KANE RD. EAU CLAIRE, WI 54602 (715) 878-0266

PROJECT TITLE:	2ND BUILDING TWIN LAKES, WI
PROF. ENGINEER:	JEFF MURRAY
PLAN DESIGNER:	MATT KUBEHL
DRAWN BY:	JMH
DATE:	1/23/2024
SCALE:	AS NOTED
SHEET TITLE:	OVERALL FLOOR PLAN
FILE NAME:	S36023W
SHEET NO.	A1

**WALL SECTION FASTENER NOTES**

**SOFFIT NAILER:**

SOFFIT NAILER SECURED WITH (2)-30d RINGSHANK NAILS AT EACH SOFFIT NAILER TO S1\* JAMB COLUMN LOCATION.

**WALL GIRTS:**

WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GIRT TO S1\* JAMB COLUMN LOCATION.

**WAINSCOT NAILER:**

WAINSCOT NAILER SECURED WITH (2)-30d RINGSHANK NAILS AT EACH WAINSCOT NAILER TO S1\* JAMB COLUMN LOCATION.

**WAINSCOT GIRT:**

WAINSCOT GIRT SECURED WITH (2)-30d RINGSHANK NAILS AT EACH WAINSCOT GIRT TO S1\* JAMB COLUMN LOCATION.

**INTERIOR TREATED GRADEBOARD:**

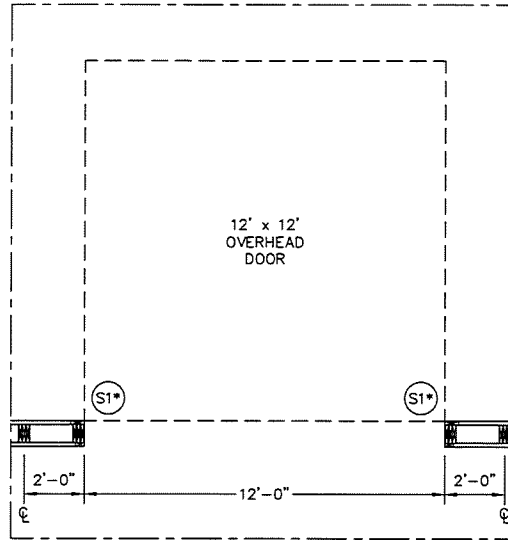
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO S1\* JAMB COLUMN LOCATION.

**EXTERIOR TREATED GRADEBOARD:**

TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO S1\* JAMB COLUMN LOCATION.

**TREATED ANCHOR BLOCKS:**

TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE S1\* JAMB COLUMNS AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.



**FLOOR PLAN**

SCALE: 1/4"=1'-0"

**COLUMN & FOOTING SCHEDULE**

COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1*	3-PLY (24')-2x8 2400f MSR SYP LAMINATED COLUMN	4'-6"	2	20"Øx6" CONCRETE FOOTING



**ENGINEERING SERVICES**

6311 KANE RD. EAU CLAIRE, WI 54703 (715) 878-8005

PROJECT TITLE:

**2ND BUILDING**  
TWIN LAKES, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: MATT KUBEHL

DRAWN BY: JMH

DATE: 1/23/2024

SCALE: AS NOTED

SHEET TITLE:

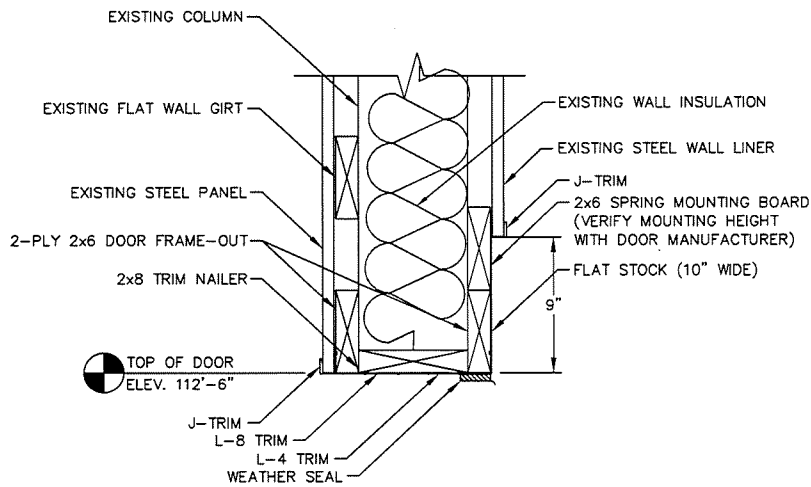
FLOOR PLAN

FILE NAME: S36023M

SHEET NO.

**A2**

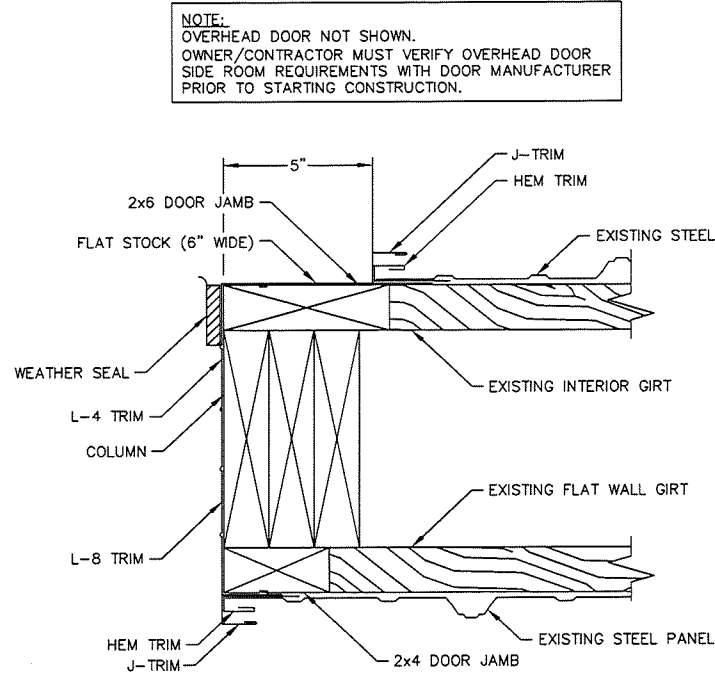




NOTE:  
OVERHEAD DOOR NOT SHOWN.  
OWNER/CONTRACTOR MUST VERIFY OVERHEAD DOOR  
HEADROOM REQUIREMENTS WITH DOOR MANUFACTURER  
PRIOR TO STARTING CONSTRUCTION.

SIDEWALL OVERHEAD DOOR FRAME-OUT DETAIL

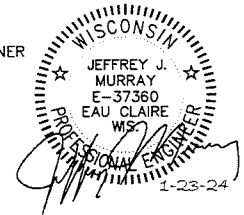
SCALE: 1 1/2"=1'-0"



NOTE:  
OVERHEAD DOOR NOT SHOWN.  
OWNER/CONTRACTOR MUST VERIFY OVERHEAD DOOR  
SIDE ROOM REQUIREMENTS WITH DOOR MANUFACTURER  
PRIOR TO STARTING CONSTRUCTION.

SIDEWALL OVERHEAD DOOR JAMB DETAIL

SCALE: 3"=1'-0"



ENGINEERING SERVICES  
8311 KANE RD. EAU CLAIRE, WI 54602 (715) 878-5555

PROJECT TITLE:

2ND BUILDING  
TWIN LAKES, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: MATT KUBEHL

DRAWN BY: JMH

DATE: 1/23/2024

SCALE: AS NOTED

SHEET TITLE:

OVERHEAD DOOR  
DETAILS

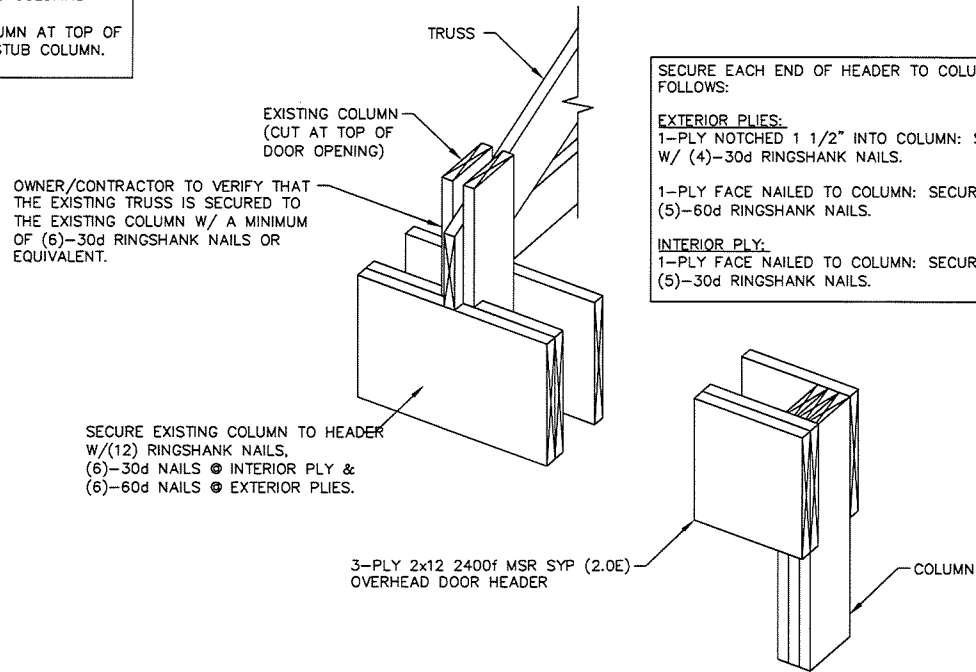
FILE NAME: S36023W

SHEET NO.

A3

**NOTE:**

- 1) INSTALL NEW FOOTINGS/JAMB COLUMNS
- 2) INSTALL NEW HEADER
- 3) CUT EXISTING SIDEWALL COLUMN AT TOP OF DOOR OPENING TO CREATE STUB COLUMN.



SECURE EACH END OF HEADER TO COLUMN AS FOLLOWS:

**EXTERIOR PLIES:**

1-PLY NOTCHED 1 1/2" INTO COLUMN: SECURED W/ (4)-30d RINGSHANK NAILS.

1-PLY FACE NAILED TO COLUMN: SECURED W/ (5)-60d RINGSHANK NAILS.

**INTERIOR PLY:**

1-PLY FACE NAILED TO COLUMN: SECURED W/ (5)-30d RINGSHANK NAILS.



OVERHEAD DOOR HEADER INSTALLATION DETAIL

NOT TO SCALE



**ENGINEERING SERVICES**  
6211 KANE RD. EAU CLAIRE, WI 54602 (715) 878-0066

PROJECT TITLE:

**2ND BUILDING**  
TWIN LAKES, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: MATT KUBEHL

DRAWN BY: JMH

DATE: 1/23/2024

SCALE: AS NOTED

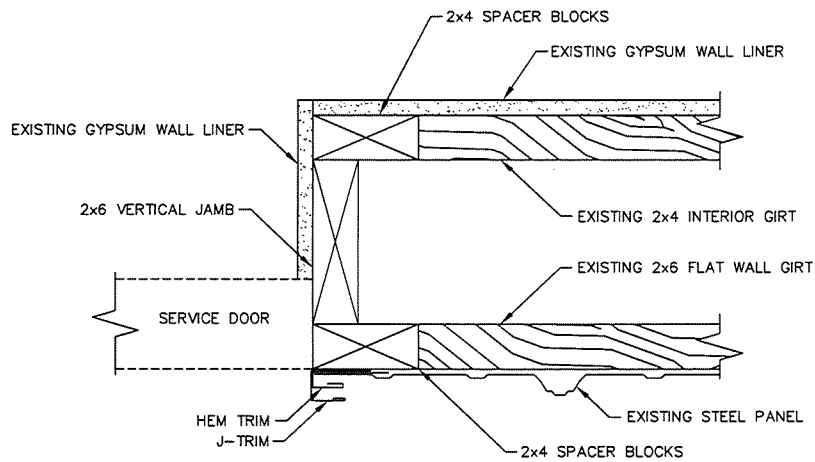
SHEET TITLE:

**OVERHEAD DOOR  
HEADER DETAIL**

FILE NAME: S36023W

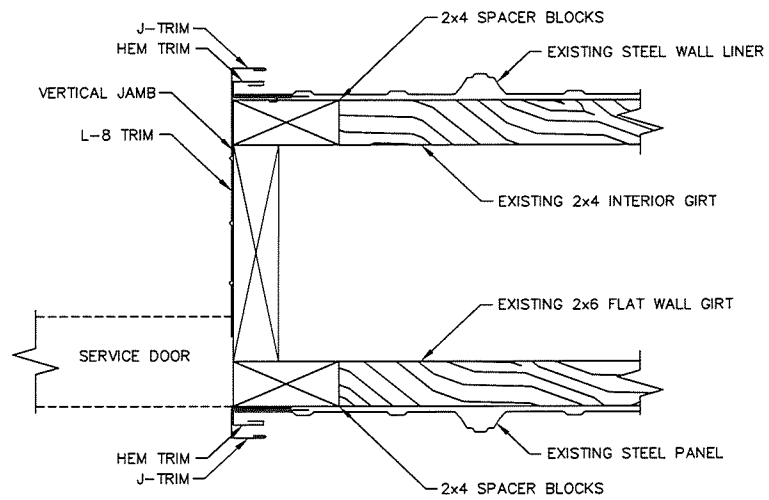
SHEET NO.

**A4**



SERVICE DOOR JAMB DETAIL

SCALE: 3"=1'-0"



SERVICE DOOR JAMB DETAIL

SCALE: 3"=1'-0"



**ENGINEERING SERVICES**  
6311 KAURE RD. EAU CLAIRE, WI 54603 (715) 879-0500

PROJECT TITLE:

**2ND BUILDING**  
TWIN LAKES, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: MATT KUBEHL

DRAWN BY: JMH

DATE: 1/23/2024

SCALE: AS NOTED

SHEET TITLE:

**SERVICE DOOR DETAILS**

FILE NAME: S36023W

SHEET NO.

**A5**





6/2/2024

LARRY GROSER  
EAGLE DESIGN, LLC  
PO BOX 275  
WALES, WISCONSIN 53183

Identification Numbers

**Plan Review No.:** CB-062400408-PRHVAC

**Application No.:** DIS-042417992

**Site ID No.:** 833663

Please refer to all identification numbers in each correspondence with the Department.

## CONDITIONAL APPROVAL

**PLAN APPROVAL EXPIRES:** 01/10/2026

**CODE APPLIES:** 04/28/2024

**MUNICIPALITY:**

VILLAGE OF TWIN LAKES  
KENOSHA COUNTY

**SITE:**

COMPLETE WATER SOLUTIONS  
851 W MAIN ST  
, WISCONSIN

**FOR:**

851 W MAIN ST

**Building Name:** 2nd building- HVAC

**Object Type:** HVAC

**ID No.:** 2nd building- HVAC

**Total Floor Area in Sq Ft:** 12,000

### SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A Department electronic stamp and signature shall be on the plans which are used at the job site for construction.

**The following conditions shall be met during construction or installation and prior to occupancy or use:**

- IMC 403/SPS 364.0403 - No storage or repair or vehicle service shall be allowed in this building.
- IMC/SPS 364.0313(1) - Every heating, ventilating and air-conditioning system shall be balanced upon installation. The person or agency responsible for balancing of the ventilating system shall document in writing the amount of outdoor air being provided and distributed for the building occupants, exhausts, and any other specialty ventilation. The document shall be retained at the site and shall be made available to the department upon request.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin

Statutes, is responsible for compliance with all code requirements. Only those object types listed above have been approved; other submittals such as plumbing and those listed above under REQUIRED SUBMITTAL(S), may also be required.

All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation. You are responsible for complying with state and federal laws concerning construction near or on wetlands, lakes, and streams.

This plan has not been reviewed for compliance with fire code requirements, including those for fire lanes and fire protection water supply, so contact the local fire department for further information.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

Per s. SPS 361.40(4), projects for buildings of over 50,000 cubic feet total volume shall have supervising professionals who file compliance statements with this agency and the local code officials prior to occupancy of the project. Compliance statements shall be filed online at <https://esla.wi.gov/PortalCommunityLogin>.

Inquiries concerning this correspondence may be made to me at the contact information listed below, or at the address on this letterhead.

Sincerely,

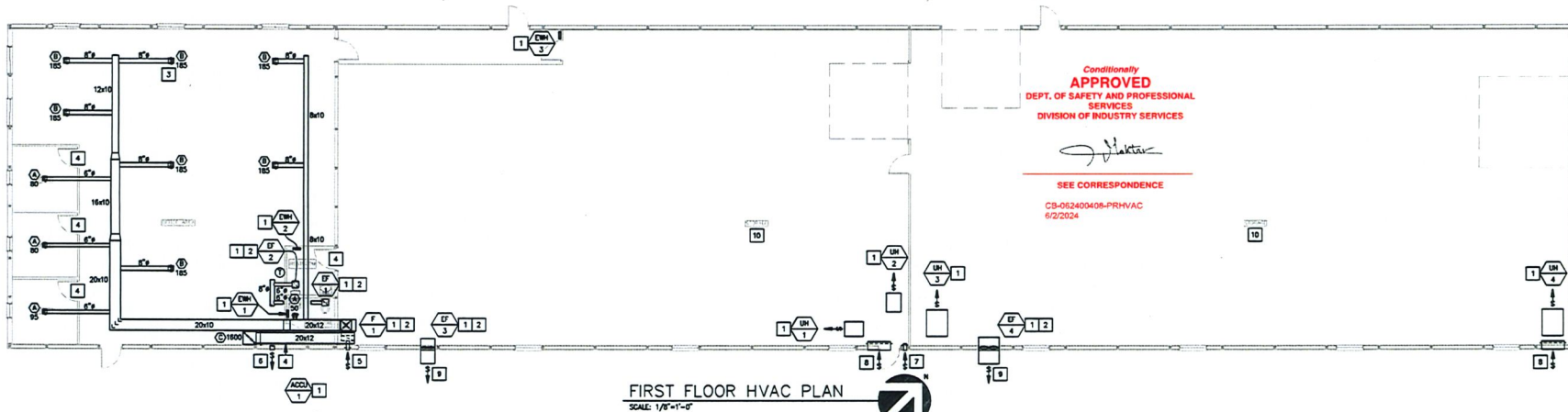
*Moktar Taamallah*

Moktar Taamallah  
Engineering Consultant Building Systems  
Division of Industry Services  
Phone: 6082668737  
Email: [moktar.taamallah@wisconsin.gov](mailto:moktar.taamallah@wisconsin.gov)

cc:

JOHN GIBBS, DIS INSPECTOR, (414) 852-3694, [JOHN.GIBBS@WISCONSIN.GOV](mailto:JOHN.GIBBS@WISCONSIN.GOV)  
SABRINA WASWO, MUNICIPAL CLERK, (262) 877-2858, [CLERK@TWINLAKESWI.GOV](mailto:CLERK@TWINLAKESWI.GOV)  
NATHAN OLSZAK, COMPLETE WATER SOLUTIONS





FIRST FLOOR HVAC PLAN  
SCALE: 1/8"=1'-0"

- ### PLAN NOTES
- VERIFY LOCATION OF EQUIPMENT IN FIELD.
  - VERIFY SIZE AND ROUTING OF DUCTWORK IN FIELD.
  - VOLUME DAMPER EACH BRANCH TYPICAL.
  - UNDERCUT DOOR 1", TYPICAL.
  - PROVIDE #8 OUTSIDE AIR INTAKE WALL HOOD, MOTORIZED DAMPER AND DUCT, CONNECT TO RETURN AIR PLUMBING. INTAKE SHALL BE MINIMUM 10' FROM EXHAUSTS, VENTS, LOT LINES.
  - PROVIDE #8 EXHAUST AIR WALL HOOD, DISCHARGE SHALL BE MINIMUM 10' FROM EXHAUSTS, VENTS, LOT LINES.
  - PROVIDE #8 OUTSIDE AIR INTAKE WALL HOOD, MOTORIZED DAMPER AND DUCT, CONNECT TO RETURN AIR PLUMBING. INTAKE SHALL BE MINIMUM 10' FROM EXHAUSTS, VENTS, LOT LINES.
  - PROVIDE GREENHECK MODEL CAC-01 CONDENSATION LOWER DAMPER, 2" MIN. INTAKE SHALL BE MINIMUM 10' FROM EXHAUSTS, VENTS, LOT LINES.
  - PROVIDE #8 OUTSIDE AIR INTAKE WALL HOOD, MOTORIZED DAMPER AND DUCT, CONNECT TO RETURN AIR PLUMBING. INTAKE SHALL BE MINIMUM 10' FROM EXHAUSTS, VENTS, LOT LINES.
  - VEHICLE STORAGE/REPAIR IS NOT ALLOWED.

- ### GENERAL NOTES
- ALL DUCTWORK PENETRATIONS TO EXTERIOR SHALL BE SEALED WATER-TIGHT.
  - GAS PIPING SHALL BE BY HVAC CONTRACTOR.
  - PLANS ARE SCHEMATIC IN NATURE. LAYOUT OF DUCTWORK IS BASED ON BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL STRUCTURAL CONDITIONS FOR CEILING SPACE AND EXACT DUCTWORK ROUTING PRIOR TO FABRICATION.
  - OUTSIDE AIR INTAKE SHALL BE MIN. 10'-0" FROM ANY BUILDING, EXHAUST, FLUES, PLUMBING VENTS AND LOT LINE.
  - MOTORIZED DAMPER ON OUTSIDE AIR INTAKE SHALL BE POWER OPEN, SPRING CLOSE. MOTOR SHALL BE INTERLOCKED WITH EQUIPMENT "OCC" CYCLE.
  - INSTALL ALL MATERIAL & EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
  - PROVIDE 30" CLEAR SPACE IN FRONT OF FURNACE FOR ELECTRICAL CODE.
  - TESTING & BALANCING OF SYSTEM SHALL BE BY INSTALLING CONTRACTOR. AIR BALANCING ALL SYSTEMS SHALL BE BALANCED TO WITHIN +10% TO -5% OF CM SHOW. READINGS SHALL BE TAKEN AND TREATED AT ALL GRILLES, REGISTERS, ETC. AND FOR ALL SYSTEMS AND UNITS. ALL SYSTEMS SHALL BE IDENTIFIED AS TO SERVICE MANUFACTURER, MODEL & RPA, HORSPOUR, VOLTAGE, AMPERAGE, ETC. COPY OF REPORT SHALL BE SUBMITTED TO DESIGN PROFESSIONAL BEFORE COMPLIANCE STATEMENT CAN BE ISSUED.
  - ALL SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS THAT WILL SHUT OFF THE SYSTEM OR SETBACK THE SETPOINT TO UNOCCUPIED CONDITIONS.
  - CONTRACTORS NEED PRIOR APPROVAL FOR CUSTOMIZING ALTERNATIVE EQUIPMENT. ALTERNATIVE EQUIPMENT MAY REQUIRE OPTIONAL ACCESSORIES TO MATCH BASE BID EQUIPMENT. CONTRACTORS ARE RESPONSIBLE FOR FURNISHING ALL SUCH ITEMS.
  - ROOMS WITHOUT RETURN AIR GRILLES OR TRANSFER GRILLES, SHALL HAVE DOORS UNDER CUT (U.C.) 1" BY GENERAL CONTRACTOR FOR RETURN AIR.
  - CONTRACTOR SHALL VERIFY EXACT LOCATION OF EQUIPMENT, DUCTWORK AND PIPING AT JOBSITE.
  - ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES.
  - ALL DUCTWORK SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
  - ALL DUCTWORK & PIPING SHALL BE INSULATED PER ICC. ALL DUCTWORK IN UNOCCUPIED SPACES SHALL HAVE MINIMUM R-5 INSULATION. ALL DUCTWORK OUTSIDE THE BUILDING DEVELOPER SHALL HAVE A MINIMUM OF R-6.
  - LOW VOLTAGE WIRING SHALL BE BY HVAC CONTRACTOR.
  - INSTALL TURNING VANES, AIR EXTRACTORS, AND VOLUME DAMPERS AS REQUIRED.
  - COORDINATE INTENSIFY LOCATION WITH LIGHTING LAYOUT.
  - FLEXIBLE DUCTWORK SHALL HAVE 6"-0" MAX LENGTH.
  - DUCT SIZES LISTED ON PLANS ARE SHALL BE THE REQUIRED CLEAR INTERIOR DIMENSION.
  - THE CONTRACTOR SHALL PROVIDE THE OWNER WITH WRITTEN INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF THE SYSTEM AND EQUIPMENT.
  - VENTILATION SHALL CONFORM TO IMC.
  - COMBUSTION AIR SHALL CONFORM TO FGC.
  - WIRING SHALL CONFORM TO EIC.
  - THERMOSTAT LOCATIONS SHALL BE REVIEWED BY OWNER, TENANT & CONTRACTOR BEFORE INSTALLATION. CONTROLS SHALL BE LOCATED IN ABOVE FINISHED FLOOR.
  - DESIGN OF COMBUSTION AIR AND VENTING FOR DRIVERS AND WATER HEATERS IS NOT INCLUDED AS PART OF THE SUPPLEMENTAL PROFESSIONAL RESPONSIBILITIES.
  - ALL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL HAVE FIRE RATED DAMPERS.

### EXHAUST FAN SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	CFM	ESP (IN WC)	AMP/HP	VOLT	PH	WEIGHT (LBS)	NOTES	SERVES
EF-1	BROW	L100E	CEILING	120	0.25	0.3 AMP/ 115	1	199	1		OFFICE TOILET
EF-2	BROW	L100E	CEILING	75	0.25	0.8 AMP/ 115	1	20	2		STORAGE TOILET
EF-3	GREENHECK	AER-20	SIDEWALL	9000	0.50	2.0 HP	240	1	190	3	STORAGE
EF-4	GREENHECK	AER-30	SIDEWALL	8000	0.50	3.0 HP	240	1	305	3	STORAGE

NOTES: 1. PROVIDE GRAVITY BACKDRIFT DAMPER, WALL HOOD, SPEED CONTROLLER, INTERLOCK TO F-1 OCCUPIED CYCLE.  
2. PROVIDE GRAVITY BACKDRIFT DAMPER, WALL HOOD, SPEED CONTROLLER, INTERLOCK TO INTAKE DAMPER.  
3. PROVIDE GRAVITY BACKDRIFT DAMPER, WEATHERSHIELD, SCREENED HOODING USED FOR SUMMER VENTILATION, INTERLOCK TO INTAKE DAMPER.  
CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS.

### GAS FIRED FURNACE SCHEDULE

TAG	MANUFACTURER	MODEL	TOTAL CFM	DEL. CFM	ESP (IN WC)	VOLT	PH	HP	MAX. INCH. W/TH	MIN. INCH. W/TH	FIN. MATL.	INPUT (MBTU)	OUTPUT (MBTU)	EFF. (%)	FLUE DATA (IN)	NOTES	SERVES
F-1	LOWE	MULTI-FUNCTION	1600	120	0.60	115	1	1.0	48.0	38.4	ALUM.	80.0	80.0	90.0	1	1,2,3,4,5	OFFICE

NOTES: 1. PROVIDE UPFLOW CASED COOLING COIL, CONDENSATE DRAIN TRAP, VENT/COMBUSTION AIR TO OUTSIDE, FILTER/HOUSING AND DISCONNECT SWITCH.  
2. PROVIDE PROGRAMMABLE THERMOSTAT (VERIFY LOCATION WITH OWNER).  
3. MOUNT PER MANUFACTURER'S RECOMMENDATIONS. CONTROL SURFACE SHALL BE MINIMUM 18" ABOVE FLOOR, OR PROVIDE FURNACE ROOM ENCLOSURE.  
4. PROVIDE VENTING PER MANUFACTURER'S RECOMMENDATIONS. DO NOT EXCEED MAXIMUM VENT LENGTH.  
5. PROVIDE MINIMUM OUTSIDE AIR INTAKE MOTORIZED DAMPER, DAMPER SHALL OPEN WHEN FURNACE BLENDER ENERGIZES.

### GAS FIRED UNIT HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	INPUT (MBTU)	OUTPUT (MBTU)	EFF. (%)	FLUE DATA (IN)	MATERIAL	TOTAL CFM	VOLT	PH	HP	RPM	FLUE	WEIGHT (LBS)	NOTES	SERVES
UH-1	REZDOR	LU0125	120/84	100/70	83	65	ALUMINIZED STEEL	1537	115	1	1/4	1050	4"	106	1,2	STORAGE
UH-2	REZDOR	LU0125	120/84	100/70	83	65	ALUMINIZED STEEL	1537	115	1	1/4	1050	4"	106	1,2	STORAGE
UH-3	REZDOR	LU0200	200/140	166/116	83	65	ALUMINIZED STEEL	2562	115	1	1/4	1050	5"	183	1,2	STORAGE
UH-4	REZDOR	LU0200	200/140	166/116	83	65	ALUMINIZED STEEL	2562	115	1	1/4	1050	5"	183	1,2	STORAGE

NOTES: 1. PROVIDE PROGRAMMABLE THERMOSTAT, REVUE VENT THROUGH WALL PER MANUFACTURER'S RECOMMENDATIONS.  
2. MOUNT BOTTOM OF UNIT HEATER MINIMUM 1" ABOVE HIGHEST DOOR OPENS, OR PROVIDE CRASH PROTECTION PER MC 304.6 & 7, & BC 1607.7.3.

### AIR COOLED CONDENSING UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	NOMINAL TONS	NOMINAL CAPACITY (BTU)	NOMINAL SEER	AMBIENT TEMP (°F)	VOLT	PH	MCA	MOCP	NOTES	SERVES
ACU-1	LOWE	MU4102-048-230	4.0	48.0	13	95	208-230	1	24.8	40	1,2,3	F-1

NOTES: 1. PROVIDE NON-FUSED DISCONNECT SWITCH.  
2. MOUNT ON GRADE WITH CODE APPROVED METHOD.  
3. RATCH REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE RECOMMENDED TRAPS, SIGHT GLASSES, SOLIDID VALVES, FILTER DRYERS, TRYS, ETC.

### GRILLE, REGISTER & DIFFUSER SCHEDULE

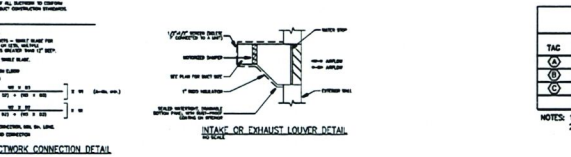
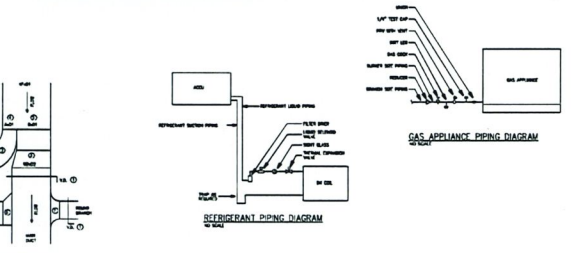
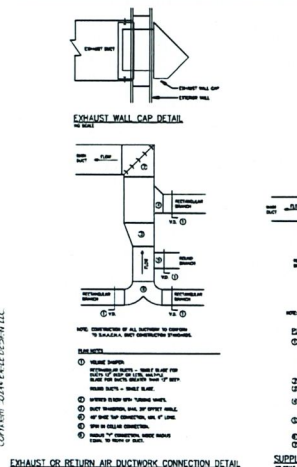
TAG	MANUFACTURER	MODEL	DESCRIPTION	NECK SIZE (IN)	MOUNTING TYPE	DAMPER	REMARKS
GR-1	TRU AIRE	A220V0	LOWEDED REGISTER	8" x 8"	CEILING	YES	1,2
GR-2	TRU AIRE	A220V0	LOWEDED REGISTER	10" x 10"	CEILING	YES	1,2
GR-3	TRU AIRE	170	LOWEDED GRILLE	24" x 24"	CEILING	NO	1,2

NOTES: 1. COORDINATE GRID TYPE WITH MOUNTING TYPE.  
2. OWNER SHALL APPROVE COLOR SELECTION.

### ELECTRICAL HEAT SCHEDULE

TAG	MANUF	MODEL	TYPE	KW	VOLT	PH	AMPS	NOTES	SERVES
EHW-1	MARVEL	HF3330T0-HP	WALL HEATER	1.5	240	1	6.2	1,2	OFFICE TOILET
EHW-2	MARVEL	HF3330T0-HP	WALL HEATER	1.5	240	1	6.2	1,2	STORAGE TOILET
EHW-3	MARVEL	HF3330T0-HP	WALL HEATER	4.0	240	1	16.7	1,2	CORRIDOR

NOTES: 1. PROVIDE INTEGRAL THERMOSTAT.  
2. COORDINATE WITH OTHER TRADES.



**EAGLE DESIGN, LLC**  
PO BOX 275  
WALES, WISCONSIN 53183  
phone: 414.550.1150  
email: larry@eagle-design.com  
web: www.eagle-design.com

**H.J. FAUST, INC.**  
AIR COND HEATING  
"The Control of Your Comfort"  
1008 S. PINE STREET  
BURLINGTON, WI 53105  
phone: 262.753.7967  
email: lhf@hfaust.com  
web: www.hfaust.com

PROJECT  
HVAC for  
COMPLETE WATER SOLUTIONS  
851 W MAIN STREET  
TWIN LAKES, WISCONSIN

STAMP  
WISCONSIN  
LARRY FAUST  
P.E.  
3318  
WALS  
6/2/2024  
SHEET 18

DATE  
04.26.24

TITLE  
HVAC PLAN, NOTES, SCHEDULES, DETAILS

SHEET  
H1 of 1

PROJECT NUMBER  
2427

DRAWN BY  
LG

CHECKED BY  
LG

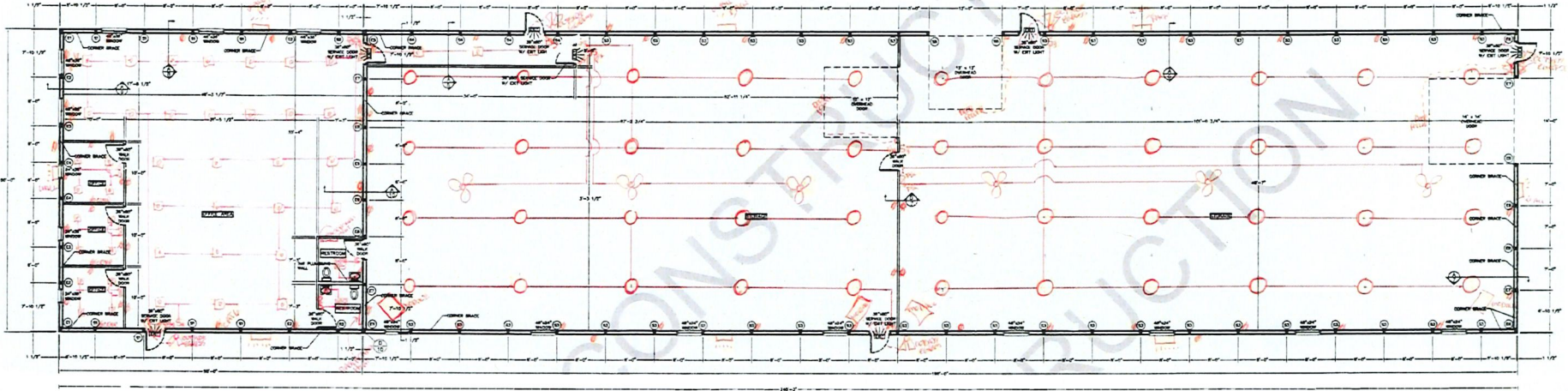
REVISION

THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF EAGLE DESIGN, LLC. ANY REUSE OR DISTRIBUTION OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF EAGLE DESIGN, LLC IS STRICTLY PROHIBITED. EAGLE DESIGN, LLC IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS. THE INFORMATION CONTAINED HEREIN IS FOR GENERAL INFORMATION ONLY AND DOES NOT CONSTITUTE AN OFFER OF ANY FINANCIAL PRODUCT OR SERVICE.

# Electrical

B. Schneider Electric

Lights



FLOOR PLAN  
SCALE: 1/8"=1'-0"

ALL DIMENSIONS ARE TO CENTERLINE OF COLUMNS EXCEPT FOR CORNERS AND OVERHEAD DOOR JAMBS OR UNLESS NOTED OTHERWISE.

COLUMN LOCATION	COLUMN DESCRIPTION	ELEVATION	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	3-PLY 16" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	8	22"x48" CONCRETE FOOTING
S2	4-PLY 16" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	4	30"x48" CONCRETE FOOTING
S3	3-PLY 26" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	40	20"x48" CONCRETE FOOTING
S4	3-PLY 26" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	4	22"x48" CONCRETE FOOTING
S5	3-PLY 26" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	2	20"x48" CONCRETE FOOTING
E1	3-PLY 16" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	2	14"x48" CONCRETE FOOTING
E2	3-PLY 20" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	2	14"x48" CONCRETE FOOTING
E3	3-PLY 22" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	2	14"x48" CONCRETE FOOTING
E4	3-PLY 24" - 2x6 #1 SYP LAMINATED COLUMN	4'-0"	2	14"x48" CONCRETE FOOTING
E5	3-PLY 26" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	2	20"x48" CONCRETE FOOTING
E6	3-PLY 26" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	2	14"x48" CONCRETE FOOTING
E7	3-PLY 28" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	4	14"x48" CONCRETE FOOTING
E8	3-PLY 30" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	3	14"x48" CONCRETE FOOTING
E9	3-PLY 32" - 2x6 2400' MSR SYP LAMINATED COLUMN	5'-3"	4	14"x48" CONCRETE FOOTING

CORNER BRACE SHALL BE A 2x6 EXTENDING FROM THE GRADEBOARD AT THE INTERIOR COLUMN TO THE TOP OF THE CORNER COLUMN. CORNER BRACE SHALL BE SECURED TO THE GRADEBOARD W/3"-10# RINGSHANK NAILS AND TO THE 20FT NAIL/CLAMPING BOTTOM CHORD W/10# RINGSHANK NAILS. EACH BRACE TO CHD LOCATION SHALL BE SECURED W/10# RINGSHANK NAIL.

IF CONCRETE FOOTINGS ARE FOUND ON SITE, THEN FOOTINGS MUST BE A MINIMUM OF 4" THICK.



ENGINEERING SERVICES

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@MMDESIGNMANUFACTURING.COM

PROJECT TITLE: 2ND BUILDING

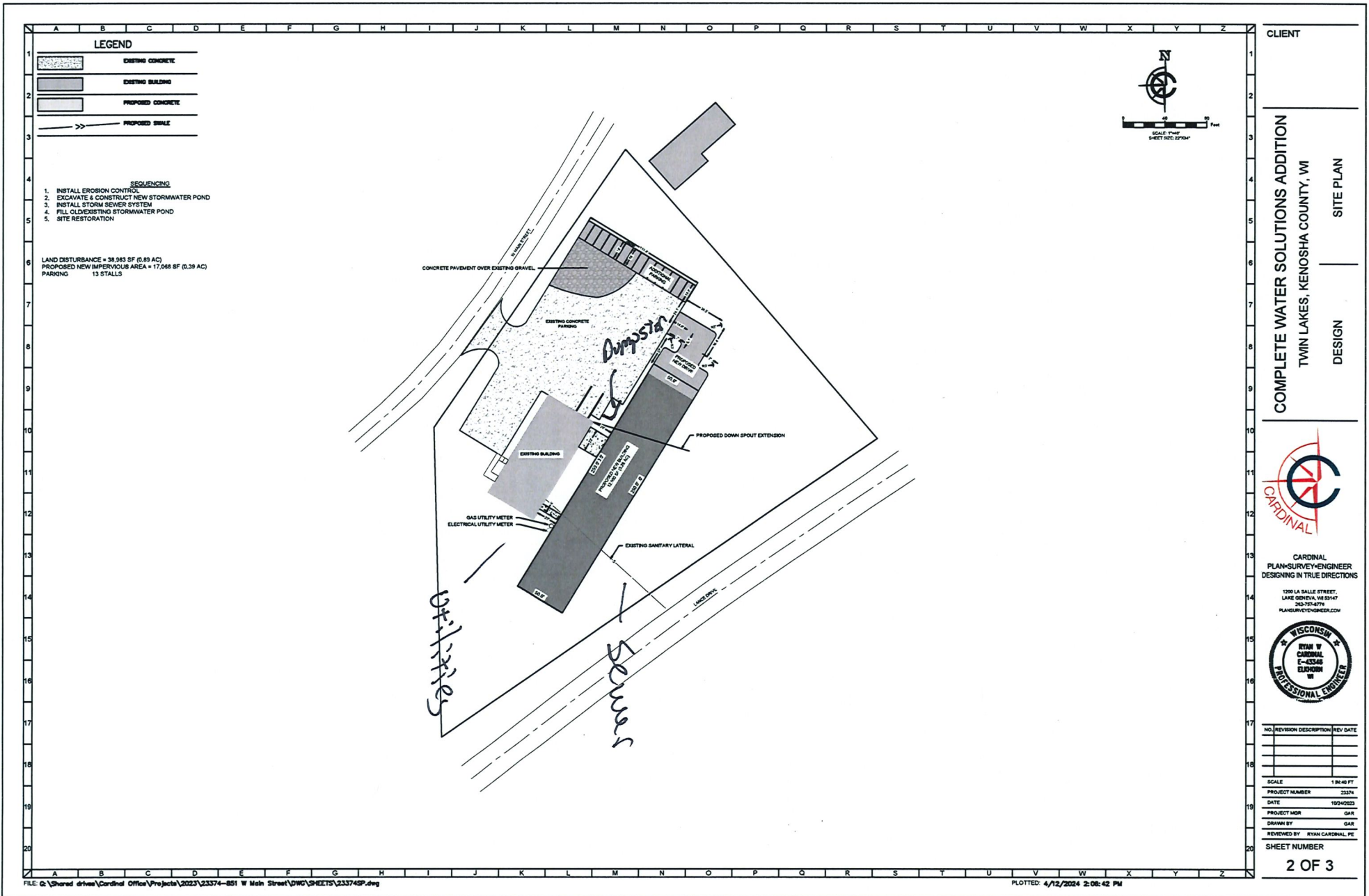
TWIN LAKES, WI  
 PROF. ENGINEER: JEFF MURRAY  
 PLAN DESIGNER: MATT KURCH  
 DRAWN BY: JMS  
 DATE: 12/29/2023  
 SCALE: AS NOTED

REVISIONS  
 NO DATE DESCRIPTION BY

SHEET TITLE: FLOOR PLAN  
 FILE NAME: S36023W  
 SHEET NO. S3



# Utilities & Dumpster



CLIENT

COMPLETE WATER SOLUTIONS ADDITION  
 TWIN LAKES, KENOSHA COUNTY, WI

DESIGN SITE PLAN

CARDINAL

CARDINAL  
 PLAN-SURVEY-ENGINEER  
 DESIGNING IN TRUE DIRECTIONS

1200 LA SALLE STREET,  
 LAKE GENEA, WI 53147  
 262.762.8776  
 PLANSURVEY@CARDINAL.COM



NO.	REVISION DESCRIPTION	REV DATE

SCALE 1 IN = 40 FT

PROJECT NUMBER 23374

DATE 10/24/2023

PROJECT MGR GAR

DRAWN BY GAR

REVIEWED BY RYAN CARDINAL, PE

SHEET NUMBER

2 OF 3



Free Shipping on Orders \$79+ with Code: FSHIP61794



HOME > WILDFLOWER SEED MIXES



*Wisconsin*  
WILDFLOWER MIX  
-----  
18 Varieties

Get 20% Off







# Wisconsin

## WILDFLOWER SEED MIX

18 bestselling, easy-to-grow, high-germination varieties for beautiful blooms

**Fall or Spring Planted**  
for recurring flower blooms

**Multicolored Blooms**  
throughout summer and fall

**25+ Inches Tall**  
when plants are mature

**Attracts Pollinators**  
like bees, butterflies, and birds

**Covers 250-500 Sq Ft**  
when sowing 1/4 lb bag



No  
Fillers

Suitable for all  
USDA Zones

Prefers Full  
Sun Exposure

Perennial / Annual  
Plant Lifecycle



# 18 Perennial/Annual Wildflowers

100% pure, high-germination seeds: no additives or fillers, *ever*.



**Siberian Wallflower**  
Tall-growing biennial with orange blooms



**Cosmos Wild Sensation**  
Prolific bloomers that thrive in most climates



**Lance-leaved Coreopsis**  
Long lasting yellow blooms



**California Poppy Orange**  
California's state flower



**Sunflower Lemon Queen**  
Showstopping happy sunflower blooms



**Purple Coneflower**  
A treasured herbal remedy



**Baby Blue Eyes**  
Easy-to-grow wildflower with sky-blue blooms



**Evening Primrose**  
Native wildflower with medicinal properties



**Perennial Lupine**  
Gorgeous, purple spires



**Red Corn Poppy**  
This humble red poppy is an all-time classic



**Lacy Phacelia**  
Lilac-clustered blooms attract diverse pollinators



**New England Aster**  
Purple and pink deer resistant summer blooms



**Blanket Flower**  
Dependable bi-colored bloomer



**Gayfeather**  
Ideal in containers or as cut flowers



**Sweet Alyssum Tall White**  
Shade tolerant ground cover with resilient blooms



**Bee Balm**  
Thistle-like wildflower preferred by bees



**Prairie Coneflower**  
Fun flower with a can't-miss cylindrical cone



**Crimson Clover**  
Fastest growing of the annual clovers







# Wildflower Meadow COVERAGE CHART

We recommend these standard seeding rates for all wildflower mixes:

Size	Coverage	Example
Ounce	Up to 250 sq. ft.	A Bedroom
1/4 Pound	250-500 sq. ft.	A Living Room
1 Pound	500-1,000 sq. ft.	A Suburban Front Yard
5 Pounds	5,000-10,000 sq. ft.	Up to 1/4 Acre
10 Pounds	10,000-20,000 sq. ft.	Up to 1/2 Acre
25 Pounds	20,000-50,000 sq. ft.	Ample Coverage of 1 Acre
50 Pounds	50,000-100,000 sq. ft.	Ample Coverage up to 2 Acres



Thoughtfully sourced & shipped from Asheville, NC





## Preparing and Planting Your Wildflowers

### Choose Your Planting Season

While spring is the most common season for planting, wildflowers naturally "go to seed" in the fall and can easily be planted in fall for early spring blooms. For planting perennial/annual mixes in the fall, ensure a few hard frosts have passed so your annual seeds don't germinate until spring.

### Choose Your Garden Location

Wildflowers prefer full sun and steady watering, but will tolerate difficult soil conditions without fertilizer or rich soil.

### Prepare Your Soil and Sow Your Seed!

Remove any vegetation and loosen the soil by hand or rototiller. Sow your seeds, and lightly compress the soil for protection from birds and wind. Water as needed.

## Storing Your Seeds

Store your seeds in a cool, dry, and dark location in a tightly-sealed container. Most seeds have a long shelf life, but heat and moisture could shorten it.



## What to Expect When Planting an Annual & Perennial Mix

Annuals start blooming two to three months after germination. Many of our mixes bloom in different stages to assure a full growing season's worth of color. Perennials establish themselves the first year and will bloom yearly starting the second growing season.





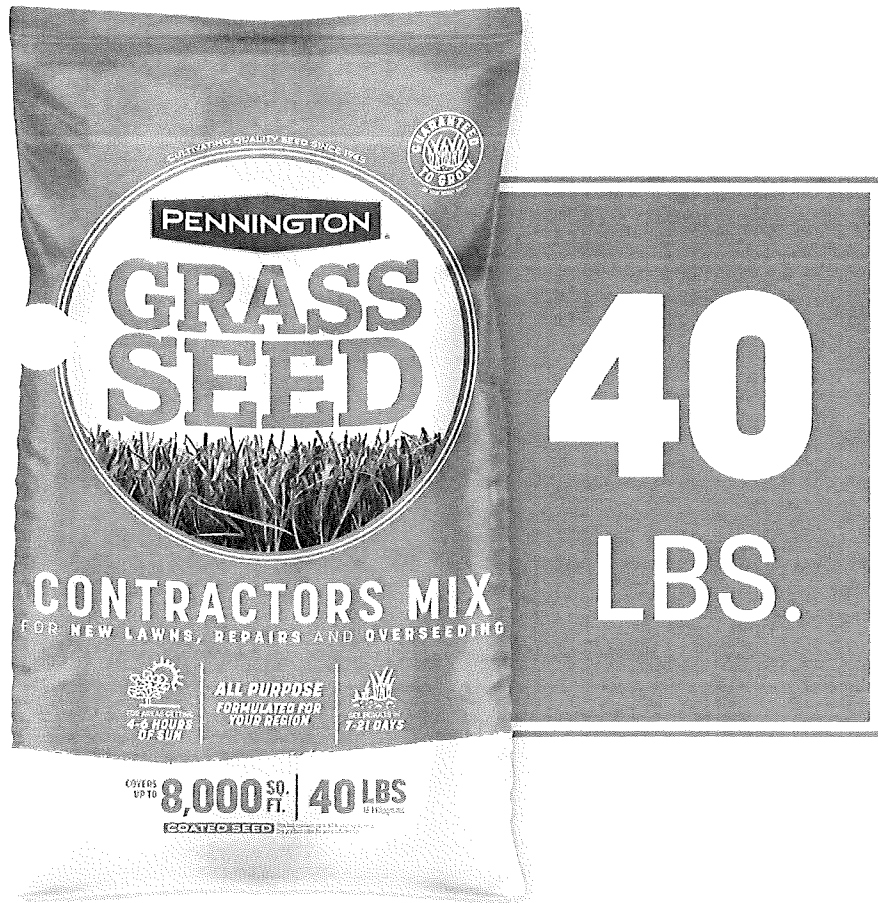


*Eden Brothers*  
WISCONSIN WILDFLOWER MIX  
-----  
18 Varieties



# Pennington® Contractors Mix Grass Seed - 40 lb.

Model Number: 100546617 | Menards® SKU: 2660899



EVERYDAY LOW PRICE

11% REBATE\* Good Through 6/9/24

PRICE  
AFTER  
REBATE\*

\$69.99

\$7.70

\$ **62**<sup>29</sup> each

You Save \$7.70 with Mail-In Rebate\*

- Optimal for areas getting 4-6 hours of sun
- See results in 7-21 days
- Sun-tolerant seed that should be planted in the early spring or early fall

[View More Information >](#)

## Pick Up At Store

**56** In-Stock at [Burlington](#)  
Item located in Aisle 1002 Section J

[View Shipping & Delivery Options](#)

[Check Another Store for Availability](#)

••• [Share](#)

[Description & Documents](#) [Specifications](#) [Optional Accessories](#)

Set the course for a high-performance, professional-grade lawn with Pennington® contractors mix! This bag contains varieties that are formulated for the region in which it is sold, so you can rest easy knowing the seed mix you buy will provide quick, dense, professional-grade results. This sun-tolerant seed should be planted in the early spring or early fall and is optimal for areas getting four to six hours of sun. Once germinated, the grass will grow thick and full. While most grass seed companies buy their seed on the open market, we are the only major grass seed company that works directly with a network of dedicated growers. Built on decades of trust and integrity, our relationships with seed growers and their families now span multiple generations. Our legacy of working directly with farmers to bring you the finest grass seed possible helps ensure their success and ours. At Pennington®, we know our seed and the farmers who grow it. From field to final product, that's the Pennington® way.

#### Features

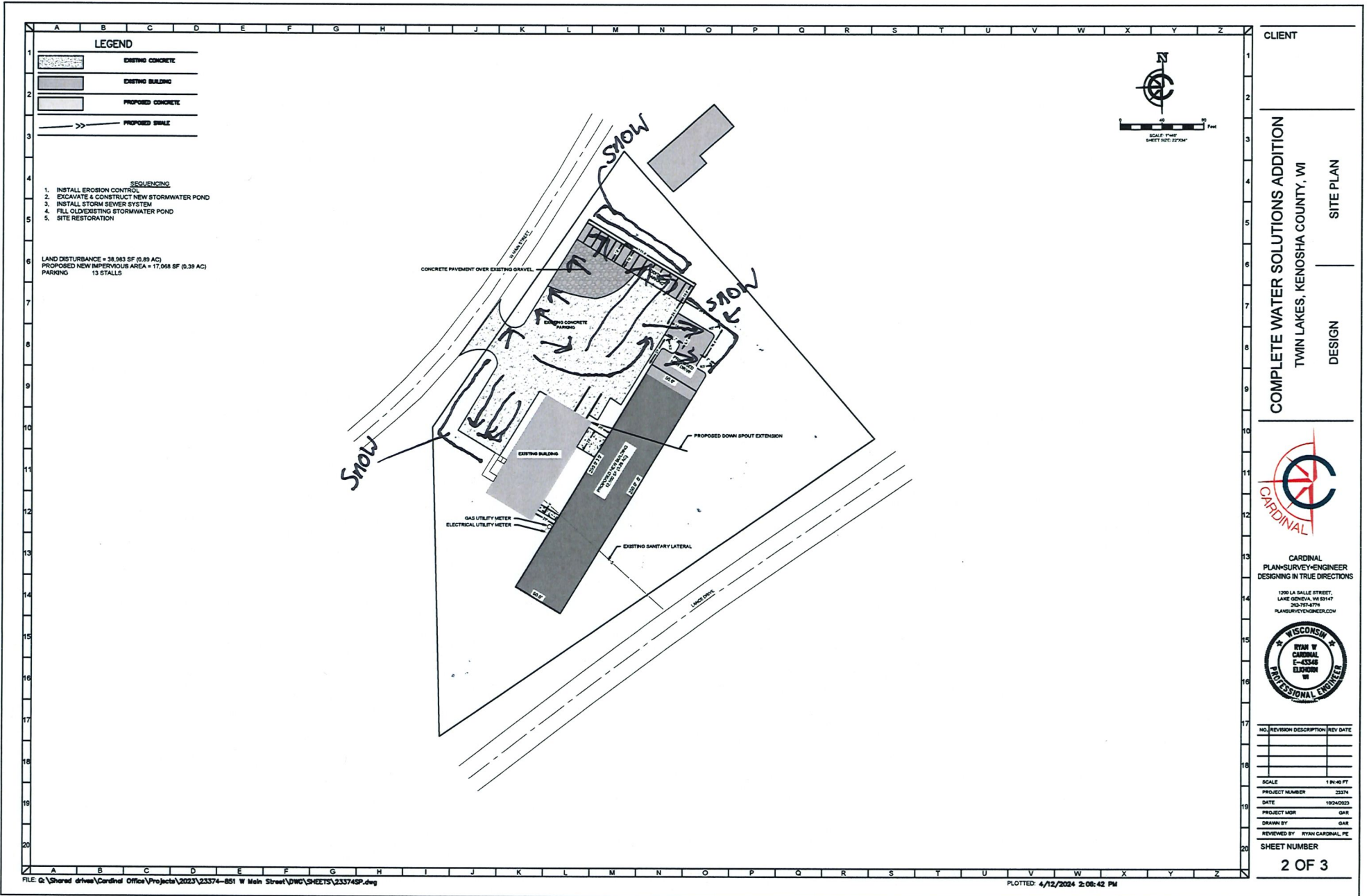
- Optimal for areas getting 4-6 hours of sun
- See results in 7-21 days
- Sun-tolerant seed that should be planted in the early spring or early fall
- This item is not for sale to these Provinces, States, or Territories: NL, PE, NS, NB, QC, ON, MB, SK, AB, BC, YT, NT, NU

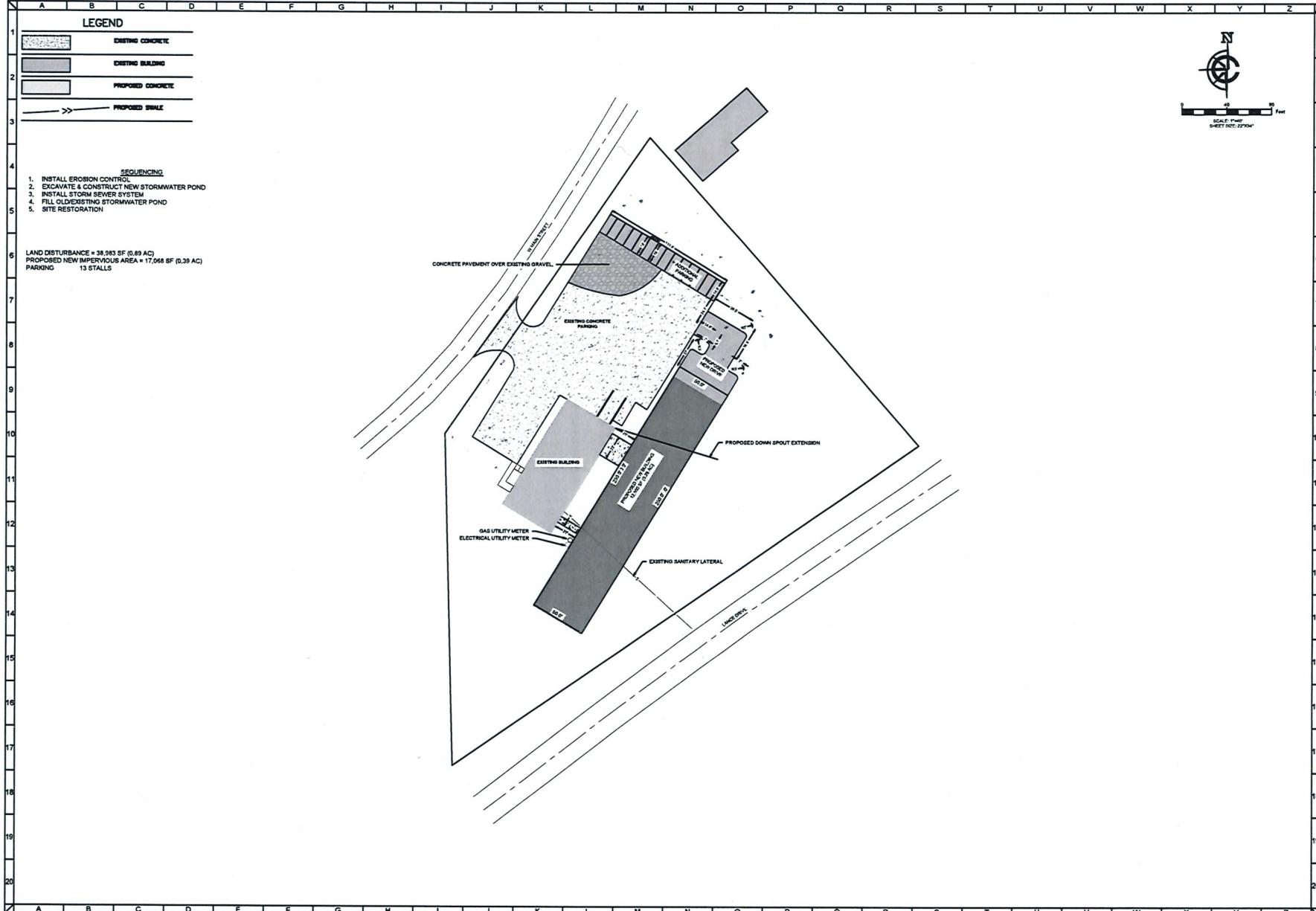
Click here to see more products from [Pennington](#)





# Snow Plan Removal





**LEGEND**

- EXISTING CONCRETE
- EXISTING BUILDING
- PROPOSED CONCRETE
- PROPOSED DRIVE

- SCOURING**
1. INSTALL EROSION CONTROL
  2. EXCAVATE & CONSTRUCT NEW STORMWATER POND
  3. INSTALL STORM SEWER SYSTEM
  4. FILL OLDESTING STORMWATER POND
  5. SITE RESTORATION

LAND DISTURBANCE = 38,983 SF (0.89 AC)  
 PROPOSED NEW IMPERVIOUS AREA = 17,068 SF (0.39 AC)  
 PARKING 13 STALLS

CLIENT -  
**COMPLETE WATER SOLUTIONS ADDITION**  
 TWIN LAKES, KENOSHA COUNTY, WI  
 DESIGN SITE PLAN



CARDINAL  
 PLANSURVEYENGINEER  
 DESIGNING IN TRUE DIRECTIONS  
 1300 LA SALLE STREET,  
 LAKE GENEVA, WI 53147  
 262-761-8778  
 PLANSURVEYENGINEER.COM



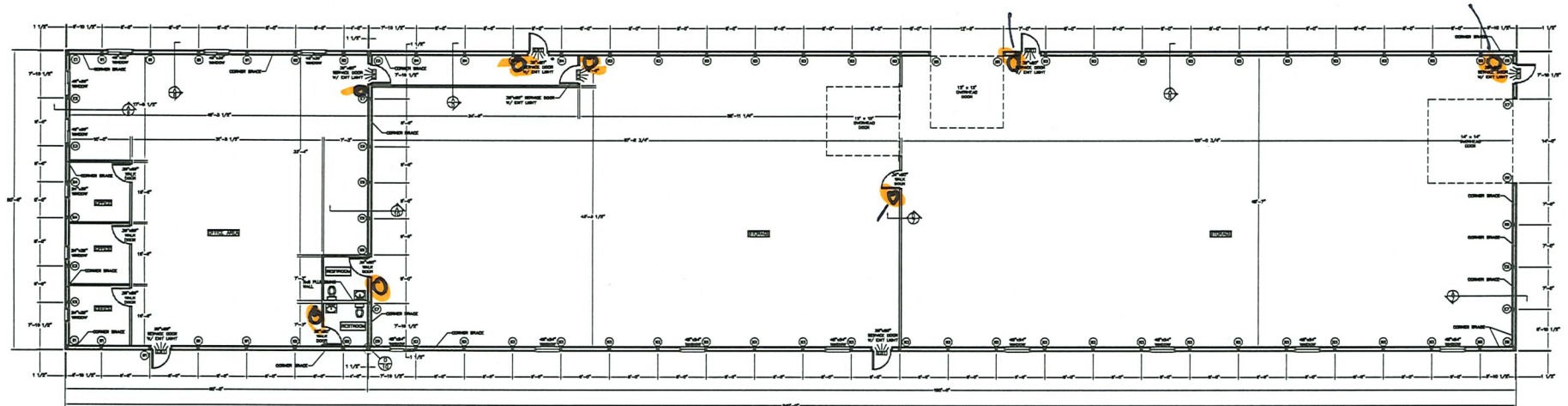
NO.	REVISION	DESCRIPTION	REV DATE

SCALE	1/8"=4' PT
PROJECT NUMBER	23374
DATE	10/20/23
PROJECT MGR	GAL
DRAWN BY	GAL
REVIEWED BY	RYAN CARDINAL, PE

SHEET NUMBER  
**2 OF 3**

# 0 Fire Extinguishers



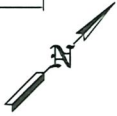
FLOOR PLAN  
SCALE: 1/8"=1'-0"

NOTE:  
ALL DIMENSIONS ARE TO CENTERLINE OF  
COLUMNS EXCEPT FOR CORNERS AND OVERHEAD  
DOOR JAMBES OR UNLESS NOTED OTHERWISE.

COLUMN & FOOTING SCHEDULE				
COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	3-PLY (1) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	8	20" #4# CONCRETE FOOTING
S2	4-PLY (1) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	4	20" #4# CONCRETE FOOTING
S3	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	40	20" #4# CONCRETE FOOTING
S4	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	3'-0"	4	20" #4# CONCRETE FOOTING
S5	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	2	20" #4# CONCRETE FOOTING
F1	3-PLY (1) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F2	3-PLY (2) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F3	3-PLY (2) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F4	3-PLY (2) 2-2# #1 SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F5	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F6	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	2	14" #4# CONCRETE FOOTING
F7	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	4	14" #4# CONCRETE FOOTING
F8	3-PLY (2) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	3	14" #4# CONCRETE FOOTING
F9	3-PLY (3) 2-2# 2400T MSR SYP LAMINATED COLUMN	2'-0"	4	14" #4# CONCRETE FOOTING

NOTE:  
CORNER BRACE SHALL BE A 2x6 EXTENDING FROM THE GRADEBOARD AT THE  
INTERIOR COLUMN TO THE TOP OF THE CORNER COLUMN. CORNER BRACE SHALL  
BE SECURED TO THE GRADEBOARD W/3"-10# RINGSHANK NAILS AND TO THE  
CORNER COLUMN W/2"-10# RINGSHANK NAILS. EACH  
BRACE TO GIRT LOCATION SHALL BE SECURED W/1"-10# RINGSHANK NAIL.

NOTE:  
IF CONCRETE FOOTINGS ARE POURED ON SITE THEN  
FOOTINGS MUST BE A MINIMUM OF 8" THICK.



ENGINEERING SERVICES  
1800 10th St. Ste. 200, Twin Lakes, WI 53181

FOR QUESTIONS PLEASE CONTACT BUILDING  
DESIGNER AT THE FOLLOWING:  
ENGINEERING@EMMANUFACTURING.COM

PROJECT TITLE:  
**2ND BUILDING**

TWIN LAKES, WI  
PROF. ENGINEER: JEFF MURRAY  
PLAN DESIGNER: MATT KUBDEL  
DRAWN BY: JMS  
DATE: 12/8/2023  
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:  
**FLOOR PLAN**  
FILE NAME: S36023W  
SHEET NO.  
**S3**





6/2/2024

LARRY GROSER  
EAGLE DESIGN, LLC  
PO BOX 275  
WALES, WISCONSIN 53183

Identification Numbers

**Plan Review No.:** CB-062400408-PRHVAC

**Application No.:** DIS-042417992

**Site ID No.:** 833663

Please refer to all identification numbers in each correspondence with the Department.

## CONDITIONAL APPROVAL

**PLAN APPROVAL EXPIRES:** 01/10/2026

**CODE APPLIES:** 04/28/2024

**MUNICIPALITY:**

VILLAGE OF TWIN LAKES  
KENOSHA COUNTY

**SITE:**

COMPLETE WATER SOLUTIONS  
851 W MAIN ST  
, WISCONSIN

**FOR:**

851 W MAIN ST

**Building Name:** 2nd building- HVAC

**Object Type:** HVAC

**ID No.:** 2nd building- HVAC

**Total Floor Area in Sq Ft:** 12,000

### SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A Department electronic stamp and signature shall be on the plans which are used at the job site for construction.

**The following conditions shall be met during construction or installation and prior to occupancy or use:**

- IMC 403/SPS 364.0403 - No storage or repair or vehicle service shall be allowed in this building.
- IMC/SPS 364.0313(1) - Every heating, ventilating and air-conditioning system shall be balanced upon installation. The person or agency responsible for balancing of the ventilating system shall document in writing the amount of outdoor air being provided and distributed for the building occupants, exhausts, and any other specialty ventilation. The document shall be retained at the site and shall be made available to the department upon request.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin

Statutes, is responsible for compliance with all code requirements. Only those object types listed above have been approved; other submittals such as plumbing and those listed above under REQUIRED SUBMITTAL(S), may also be required.

All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation. You are responsible for complying with state and federal laws concerning construction near or on wetlands, lakes, and streams.

This plan has not been reviewed for compliance with fire code requirements, including those for fire lanes and fire protection water supply, so contact the local fire department for further information.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

Per s. SPS 361.40(4), projects for buildings of over 50,000 cubic feet total volume shall have supervising professionals who file compliance statements with this agency and the local code officials prior to occupancy of the project. Compliance statements shall be filed online at <https://esla.wi.gov/PortalCommunityLogin>.

Inquiries concerning this correspondence may be made to me at the contact information listed below, or at the address on this letterhead.

Sincerely,

*Moktar Taamallah*

Moktar Taamallah  
Engineering Consultant Building Systems  
Division of Industry Services  
Phone: 6082668737  
Email: [moktar.taamallah@wisconsin.gov](mailto:moktar.taamallah@wisconsin.gov)

cc:

JOHN GIBBS, DIS INSPECTOR, (414) 852-3694, [JOHN.GIBBS@WISCONSIN.GOV](mailto:JOHN.GIBBS@WISCONSIN.GOV)  
SABRINA WASWO, MUNICIPAL CLERK, (262) 877-2858, [CLERK@TWINLAKESWI.GOV](mailto:CLERK@TWINLAKESWI.GOV)  
NATHAN OLSZAK, COMPLETE WATER SOLUTIONS





# PLAT OF SURVEY

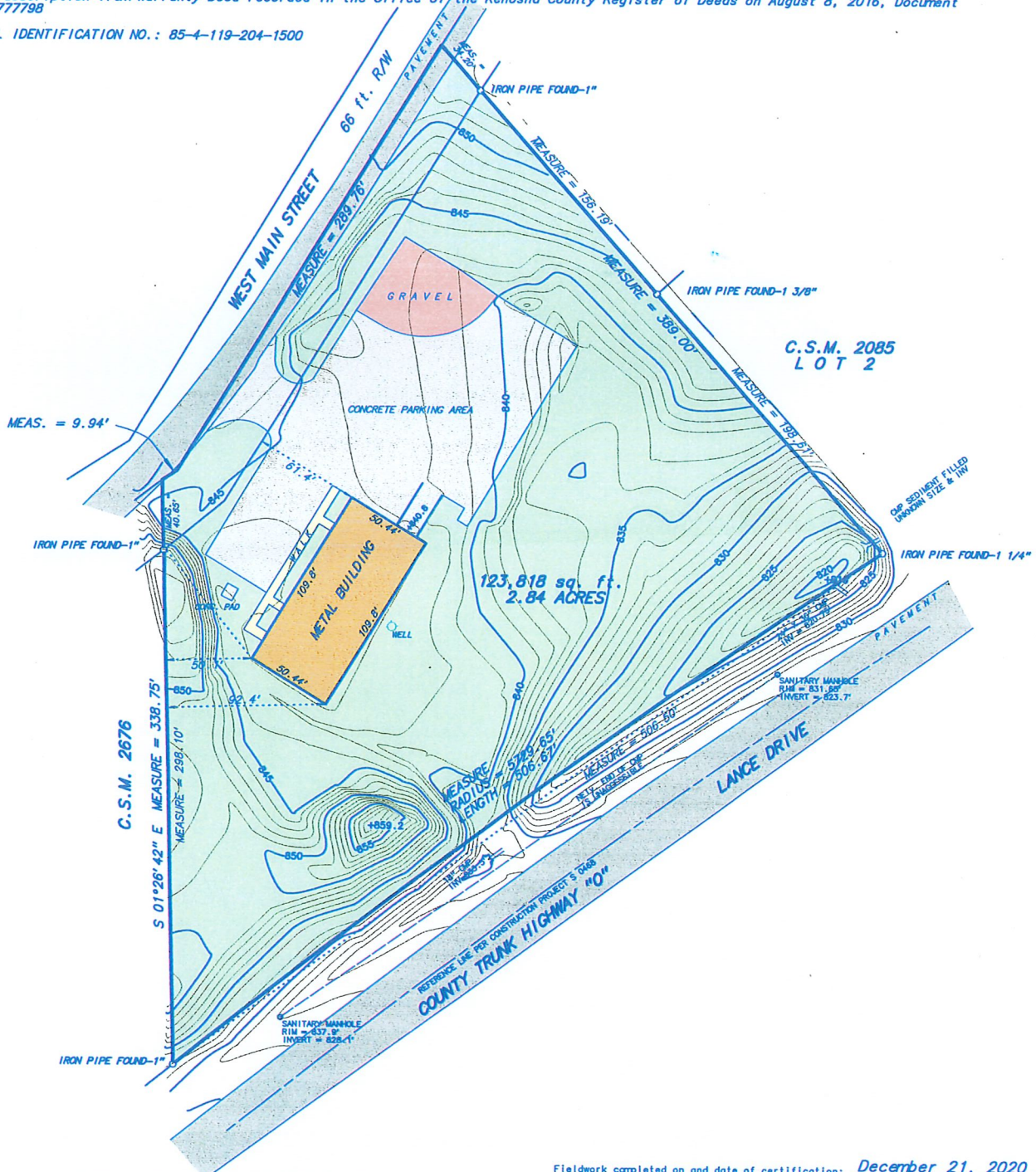
## OF

PHONE: 262-537-487.  
 FAX: 262-537-422  
 EMAIL: ambit@tds.ne

part of the East Half of the Southeast Quarter of Section 20, Township 1 North, Range 20 East of the 4th Principal Meridian, Village of Twin Lakes, Kenosha County, Wisconsin, described as follows: BEGINNING at a point on the west line of the East Half of the Southeast Quarter of Section 20, which point is on the north line of the Kenosha and Rockford Division of the Chicago and Northwestern Railroad and 52 and 2/5 rods (864.6 feet) north of the south line of said section; THENCE North to the highway; THENCE northeasterly along said highway to the road conveyed by Fred Klain and wife to Christian Church; THENCE southwesterly along said road to the said Kenosha and Rockford Division of the Chicago and Northwestern Rail- road; THENCE southwesterly along said railroad to the BEGINNING, containing two acres of land, more or less. EXCEPTING (Surveyor's note: This description only describes the reference line so that the property line may be established. There is no exception) the parcel between the following described reference line and line 50 feet northwest of said reference line and parallel with said reference line, to-wit: The reference line is described as follows: COMMENCING at the south quarter section corner of said Section 20, South 353 feet, more or less, to a point on a curve; THENCE northeasterly along said circular curve to the left 1 degree 00 minute (radius of 5,729.65 feet) a distance of 328.8 feet to a point of tangency; THENCE North 46 degrees 58 minutes East 910.7 feet; THENCE northeasterly to the right along a 1 degree 00 minute curve (radius of 5,729.65 feet) a distance of 511.5 feet to the West property line and the place of beginning, THENCE continue Northeasterly along said 1 degree 00 minutes curve to right, a distance of 564 feet to the property line and the end of said reference line. Said land begin in the Village of Twin Lakes, Kenosha County, Wisconsin

Legal description from Warranty Deed recorded in the Office of the Kenosha County Register of Deeds on August 8, 2016, Document No. 1777798

PARCEL IDENTIFICATION NO.: 85-4-119-204-1500



ORTHOMETRIC HEIGHT (GROUND ELEVATION) IS DETERMINED FROM USING GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS), THE VERTICAL DATUM BASIS IS NAVD88 AND THE GEOID MODEL IS GEOID12B CONUS.

Fieldwork completed on and date of certification: December 21, 2020

I hereby certify that I have surveyed the above described property and the above plat is a true representation thereof, and shows the size and location of the property, its exterior boundaries, the location and dimensions of all visible structures thereon, boundary fences, apparent easements and roadways and visible encroachments, if any.

This survey is made for the exclusive use of the present owners of the property and also those who purchase, mortgage or guarantee the title thereto within ONE YEAR from the date hereof.

Dated at Wheatland, Wisconsin this 18th day of January 2021.

*Mark A. Bolender*  
 Mark A. Bolender  
 Wisconsin Professional Land Surveyor - 1784

SCALE: 1 inch = 60 feet  
 ORDERED BY: N. Olszak/ Water Technologies  
 JOB NO.: 20327





**Department of Building and Zoning  
Conditional Use Permit Request  
Application and Checklists**

The Building Inspector is authorized to issue a Conditional Use Permit after reviewing all materials and holding a Public Hearing. Conditional uses and structures must be in accordance with the intent of the Village Code, Title 17- Zoning. Permits will not be issued if the conditional use is found to be hazardous, offensive, or adverse to the environment or community. The Plan Commission may impose conditions on use such as landscaping, type of construction, floodproofing, anchoring of structures in floodplain areas, sureties, and construction commencement and completion dates.

All commercial uses of land on lots greater than 2 acres and/or within building footprints over 25,000 square feet require a Conditional Use Permit. There is a wide variety of other projects that require a Conditional Use Permit. Please refer to 17.32.015 of Village Code for a full list of all projects that require a Conditional Use Permit. Village Code can be accessed at <http://www.villageoftwinlakes.net/documents/village-code/>. Commercial conditional uses require Plan Commission review and a 3/4 majority vote of the Village Board.

**Legal Property Owner:**

Name: Diedrich Family Farm LLC  
 Mailing Address: 2000 Richmond Rd  
Twin Lakes WI 53181  
City State Zip

**Applicant/Petitioner:**

Name: Philip Diedrich  
 Mailing Address: 2080 Richmond Rd  
Twin Lakes WI 53181  
City State Zip  
 Telephone #: 262-332-0979  
(Area Code)  
 Fax Number: \_\_\_\_\_  
 E-Mail Address: pkdiedrich@gmail.com

**Property Information**

Property Address: 2000 Richmond Rd  
Twin Lakes WI 53181  
City State Zip  
 Parcel Number: 86-4-119-304-1001  
 General Project Location: east of existing dairy housing  
 Proposed Project Use: maternity housing of dairy animals  
 Current Use: vacant land

If the area is subject to inundation by floodwaters, plans must also include the following:

- First floor elevations
- Utility elevations
- Historic and probable future floodwater elevations
- depth of inundation
- Floodproofing measures
- Plans must include dimensions and elevations pertinent to the determination of the hydraulic capacity of structures or their effect on flood flows
- Where floodproofing is required, the applicant must submit a plan or document certified by a registered professional engineer or architect stating that the floodproofing measures are adequate to withstand the flood forces and velocities associated with the 100 year recurrence interval flood
- Prior to the issuance of an Occupancy Permit, the applicant must submit a certification by the registered professional engineer that the floodproofing measures were accomplished in compliance with the Village Code Title 17

Signage

Outdoor seating and other uses

Provisions for avoiding noise, odor, and lighting nuisances

Buffering and fencing

Compatibility with, and impact on, the immediately surrounding properties, neighborhood, or district

Visual character

Concept Plan (see checklist in section 5)

Any other information with regard to the lot and neighboring lots or buildings that will be helpful in the review process

2.) Are you requesting zoning changes? \*\* Yes \_\_\_ No \_\_\_

If yes, fill in the fields immediately below:

Current Zoning: \_\_\_\_\_

Proposed Zoning: \_\_\_\_\_

\*\* Zoning change requests are \$325

Village staff may determine that an escrow account is to be set up with the Village Treasurer to cover attorney, engineer, or planner fees. Applicant/petitioner is hereby duly advised that the engineer and/or attorney or any professional assistance as deemed necessary by the Village of Twin Lakes may be employed for this project, issue, or matter. Escrow money required from the applicant will be put into an account for use in the payment of any professional fees and any balance will be returned within 45 days after the matter is completed.

To accompany this application: \$250.00 fee for Plan Commission/Design Review appearance, additional fees and escrow money as noted below, and all required supporting documents.

Owner's Name (please print): Diedrich Family Farm LLC

Owner's Signature: *[Signature]*

Applicant/Petitioner's Name (please print): \_\_\_\_\_

Applicant/Petitioner's Signature: \_\_\_\_\_

Date: 6/27/24



Existing Zoning: Residential

Metes & Bounds

Legal Description:

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**Review & Approval Checklists**

1.) Include the following information in the plans you will present to the Plan Commission/Design Review. 2 copies of the plans must be submitted.

Submit the following plans and materials to the Building Inspector for approval. All dimensions shown relating to the location and size of the lot must be based upon an actual survey. The lot and the location of the existing or proposed building must be staked out on the ground before construction begins. The Building Inspector's approval must be obtained at least 30 days prior to the next scheduled Plan Commission meeting. Plan Commission/Design Review meets the fourth Wednesday of each month at 6:30PM at the Village Hall, 108 E. Main Street, unless rescheduling is needed due to availability. Review will not commence until all of the following items have been submitted. Due notice of all hearings on Conditional Use Permit Applications in a Floodland District will be given to the Wisconsin Department of Natural Resources (DNR) for review and comment. No action on such applications will be taken for 30 days or until the DNR has made its recommendation, whichever comes first.

Next Plan Commission Date: \_\_\_\_\_

- Location, actual shape, and dimensions of the lot of the proposed or existing buildings and accessory structure(s)
- The lines within which the building will be erected, altered, or moved
- Existing and/or intended use of each building or part of a building
- The number of families the building is intended to accommodate
- Type of business, if applicable
- Hours of operation, if applicable
- Off street parking and loading areas
- Existing and proposed highway access or restrictions thereto
- Traffic
- High water elevations and floodway and floodplain boundaries

4.) Required Fees

Plan Commission/Design Review Appearance Fee (Village Code 3.06.010 (D), 1 & 2): \$ 250.00

Zoning Change Request Fee, \$325 if applicable (Municipal Code 17.44.050): \$ \_\_\_\_\_

Escrow, as required by Village Administrator and Building Inspector: \$ \_\_\_\_\_

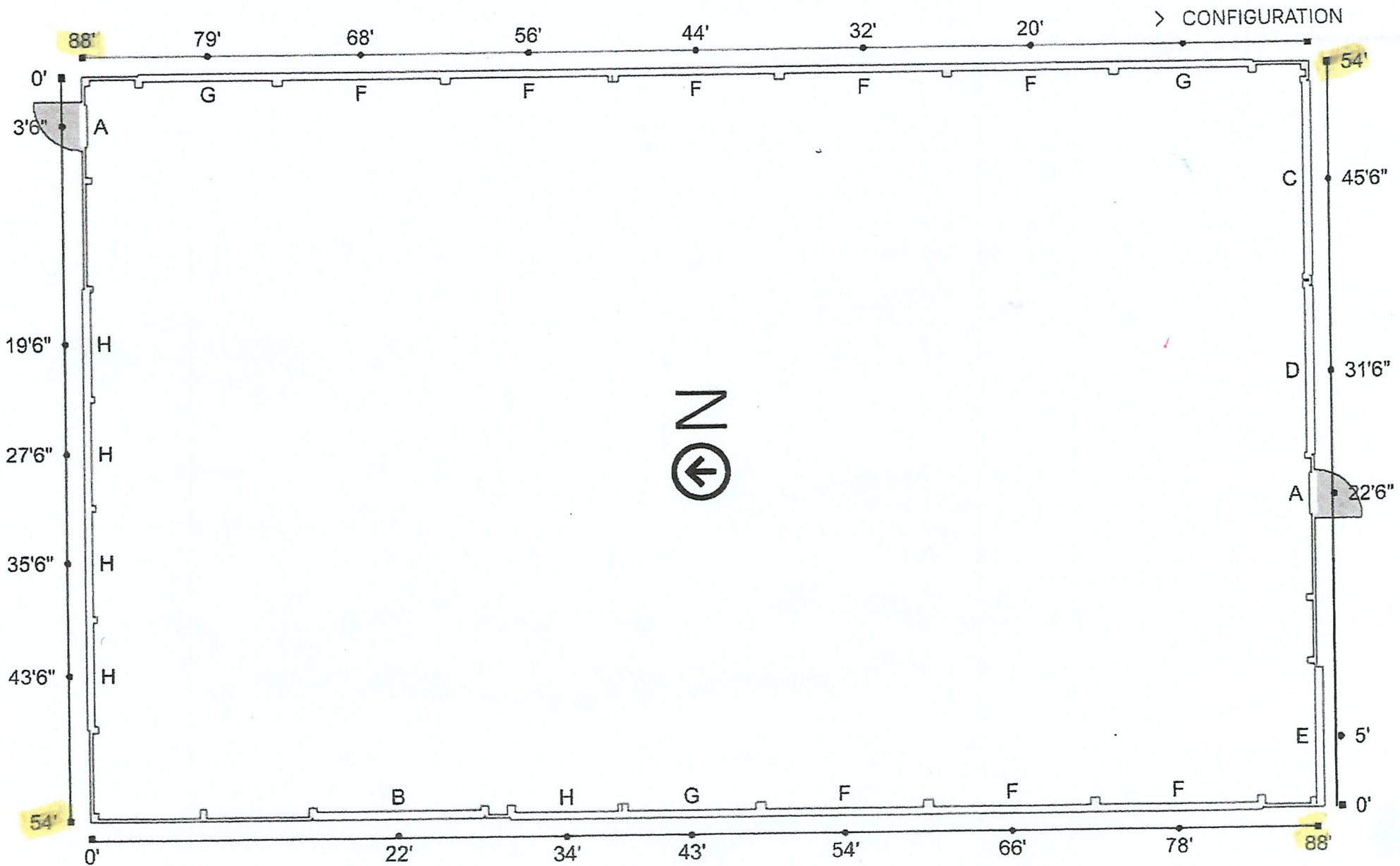
**Total Amount Due:** \$ \_\_\_\_\_

Developer's Agreement Required? Yes \_\_\_\_\_ No \_\_\_\_\_

Checks shall be made payable to Village of Twin Lakes

5.) Concept Plan Checklist

- Name, address, and telephone number of developer, engineer, and architect
- Existing and proposed zoning districts and land uses
- Plan must be drawn to a recognized engineering scale with graphic scale and north arrow
- Neighborhood sketch plan (if required, consult with Building Inspector regarding your specific project)
- Pattern of existing and probable future development of the area in question
- How the proposed development will relate to the surrounding area
- Conceptual building layouts and parking areas for all uses (other than single-family residential development)
- If available, artist renderings of structures and facilities and floor plans (other than single-family residential development)
- Identify existing and proposed zoning districts and land uses
- Proposed conceptual landscaping (other than single-family residential development)
- Access and internal traffic movement
- Topographic contours at two-foot intervals
- Existing and proposed public and private street layout pattern and all existing and proposed roads to be named (cannot be similar to existing road names)
- Lot or parcel layout, existing and proposed; including areas and dimensions for each
- Number of dwelling units per acre
- Lands reserved or dedicated for streets, parks, playgrounds, and other public purposes
- Existing and proposed sanitary and stormwater management, utility and drainage easements, and erosion/sediment control
- Significant environmental features including navigable waters, wetlands, floodlands, and woodlands
- Vicinity sketch showing adjacent subdivisions and boundaries of unsubdivided land





# Zoning Permit Application Village of Twin Lakes

105 E Main Street - PO Box 1024  
Twin Lakes, WI 53181  
Phone: 262-977-7719 Fax: 262-333-3286

Request:  
Please check all that apply.

- Residential Principal Use 1 or 2 Family \$50.00
- Residential Addition \$30.00
- Residential Accessory Use \$25.00
- Fence \$65.00
- Deck \$25.00
- Swimming Pool \$4.00/\$1000.00 Valuation - \$60.00 minimum
- Commercial Principal Use (includes multi-family) \$100.00
- Commercial Addition \$70.00
- Commercial Accessory Use \$25.00
- Other: \_\_\_\_\_ Fee: \_\_\_\_\_

Date application was received:

Fee Paid: \_\_\_\_\_

Please answer all applicable. Missing or incomplete information may deem this application "incomplete," delaying or prohibiting a review.

Owner's Name: Diedrich Family Farm LLC Phone No.: 262-332-0979  
 Mailing Address: 2000 Richmond Rd Twin Lakes WI 53181  
 Applicant's Name: Philp Diedrich Phone No. 262-332-0979  
 Mailing Address: 2080 Richmond Rd Twin Lakes WI 53181  
 Physical Address of Site: 2000 Richmond Rd Tax Parcel No: 86-4-119-304-1001  
 Subdivision Name: \_\_\_\_\_ Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_  
 Current Zoning of Site: Residential Current Overlay Districts of Site: \_\_\_\_\_  
 Proposed type of structure: Pole Building (54' x 88')  
 Proposed use of structure or site: Animal housing  
 Lot Area \_\_\_\_\_ sq. ft. Proposed Bldg. / Structure Footprint Area 4252 sq. ft.  
 Existing Building Coverage on Site: \_\_\_\_\_% Proposed \_\_\_\_\_%  
 Existing Impervious Surface Coverage on Site: \_\_\_\_\_% Proposed \_\_\_\_\_%  
 Proposed Setbacks: Front \_\_\_\_\_ Rear \_\_\_\_\_ Left \_\_\_\_\_ Right \_\_\_\_\_  
 Proposed Building Height 14 ft. sidewalls

Applicant's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

OFFICE USE ONLY:

PERMIT FEES:		PERMIT ISSUED BY:	
Permit	\$ _____	Name:	_____ Date: _____
Admin Fee	\$ _____	Tel:	_____ Permit No. _____
Other	\$ _____		
Total	\$ _____		

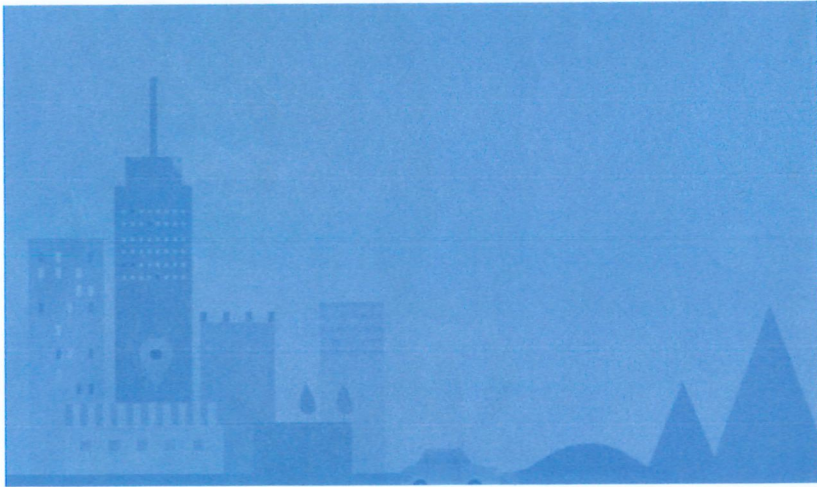
CONDITIONS OF APPROVAL:








*Diederich Family Farm LLC*



Imagery ©2024 Airbus, Maxar Technologies, Map data ©2024 50 ft



### 2000 Richmond Rd

-   
Directions
-   
Save
-   
Nearby
-   
Send to phone
-   
Share

 2000 Richmond Rd, Twin Lakes, WI 53181

 GP76+4W Twin Lakes, Wisconsin

### At this place

# Country Christmas Trees

5.0 (3)

Christmas tree farm







# Kenosha County Property Information Web Portal - Property Summary

Property: 86-4-119-304-1001

Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Billing Address
2024 ▼	Real Estate	86-4-119-304-1001	186 - VILLAGE OF TWIN LAKES	2000 RICHMOND RD	DIEDRICH FAMILY FARM LLC 2000 RICHMOND RD TWIN LAKES WI 53181
Tax Year Legend:  = owes prior year taxes     = not assessed     = not taxed    Delinquent    Current					

## Summary

### Property Summary

Parcel #:	86-4-119-304-1001
Alt. Parcel #:	8641193041001
Parcel Status:	Current Description
Creation Date:	1/1/1994
Historical Date:	
Acres:	66.980
Zoning:	

### Property Addresses

Primary ▲	Address
<input checked="" type="checkbox"/>	2000 RICHMOND RD TWIN LAKES 53181-9770

### Owners

Name	Status	Ownership Type	Interest
DIEDRICH FAMILY FARM LLC	CURRENT OWNER		
DIEDRICH, RICHARD	FORMER OWNER		

### Parent Parcels

No Parent Parcels were found

### Child Parcels

No Child Parcels were found

### Abbreviated Legal Description

(See recorded documents for a complete legal description)

THAT PT OF SE 1/4 SEC 30 T 1 R 19 E OF HWY EXC S 330 FT THEREOF AND EXC FOR HWY EX V 786 P 569 ALSO EXC CSM # 508 ALSO EXC CSM #1533 V 1476 P561 1992 66.96 AC (PT 86-4-119-304-1000-1) DOC #1794787

### Public Land Survey - Property Descriptions

Primary	Section ▲	Town	Range	Qtr 40	Qtr 160	Gov Lot	Block/Condo Bldg	Type #	Plat
<input checked="" type="checkbox"/>	30	01 N	19 E		SE				METES AND BOUNDS

### District

Code ▲	Description	Category

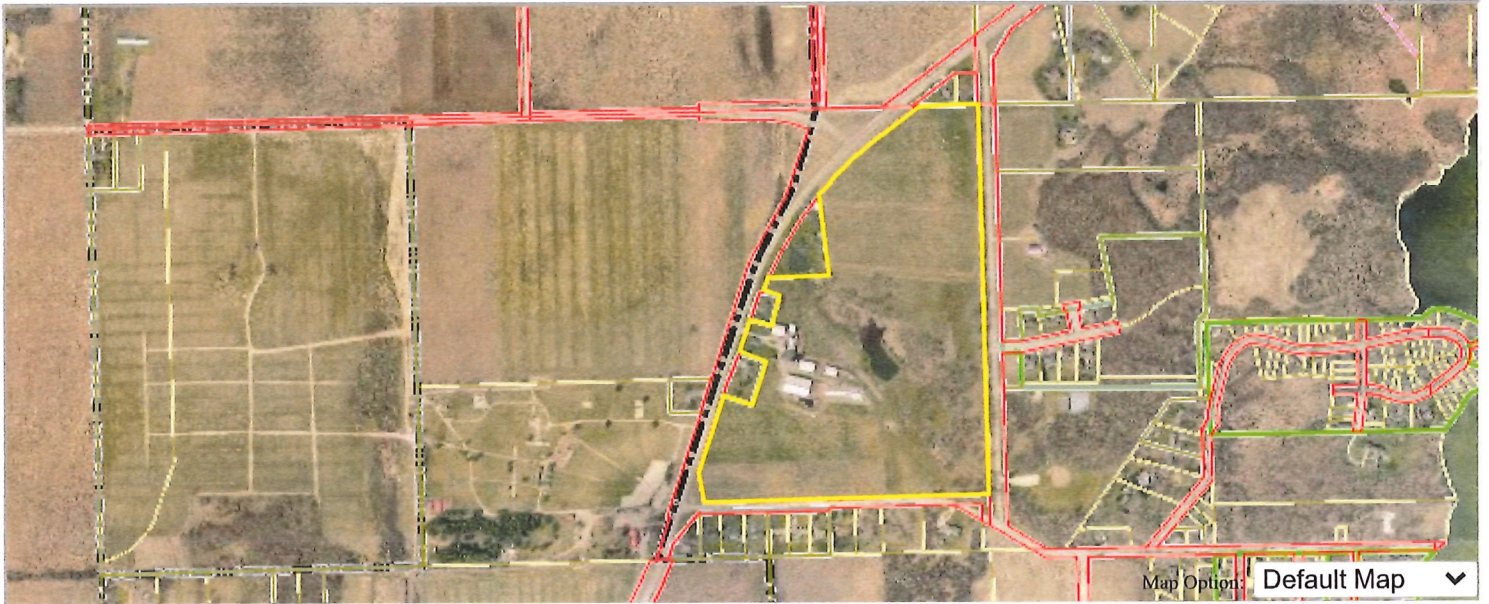


	KENOSHA COUNTY	OTHER DISTRICT
	LOCAL	OTHER DISTRICT
4627-G	RANDALL CONSOLD SCH DIST	REGULAR SCHOOL
6545-H	WILMOT UNION HIGH SCHOOL	UNION HIGH SCHOOL
0600	GATEWAY TECHNICAL COLLEGE	TECHNICAL COLLEGE
	LIBRARY	OTHER DISTRICT
8030	TWIN LAKES MANAGEMENT	LAKE REHABILITATION

**Associated Properties**

No Associated properties were found

**GIS Map**



**Building Information**

**Buildings**

**Assessments**

**Assessment Summary**

Estimated Fair Market Value: 0

Assessment Ratio: 0.0000

Legal Acres: 66.980

**2024 valuations**

Class	Acres	Land	Improvements	Total
G4 - AGRICULTURAL	57.980	0	0	0
G5 - UNDEVELOPED LAND	4.000	0	0	0
G7 - OTHER	5.000	0	0	0
<b>ALL CLASSES</b>	<b>66.980</b>	<b>0</b>	<b>0</b>	<b>0</b>

**2023 valuations**

Class	Acres	Land	Improvements	Total
G4 - AGRICULTURAL	57.980	11300	0	11300
G5 - UNDEVELOPED LAND	4.000	2000	0	2000
G7 - OTHER	5.000	104400	631100	735500
<b>ALL CLASSES</b>	<b>66.980</b>	<b>117700</b>	<b>631100</b>	<b>748800</b>



