



GREEN LAKE COUNTY

571 County Road A, Green Lake, WI 54941

Original Post Date: 09/26/19

Amended* Post Date: 09/30/19

The following documents are included in the packet for the Property and Insurance on October 1, 2019:

- 1) Amended Agenda
- 2) Minutes from 09/03/19
- 3) Highway Storage Building – Shop 2, Bid Results
- 4) ***Request for Quote for replacement of Domestic Waste Water Tank - Shop 2**
- 5) Resolution to Modify Health Insurance Plan Design and Update Personnel Policies and Procedures Manual
- 6) Maintenance Report



GREEN LAKE COUNTY OFFICE OF THE COUNTY CLERK

Elizabeth Otto
County Clerk

Office: 920-294-4005
FAX: 920-294-4009

Property & Insurance Committee Meeting Notice

Date: October 1, 2019 Time: 5:00 PM

Location: Government Center, County Board Room, 571 County Road A, Green Lake WI

Amended AGENDA*

Committee Members

*Vicki Bernhagen, Chair
Patti Garro, Vice-Chair
David Abendroth
Richard Trochinski
Keith Hess*

Elizabeth Otto, Secretary

1. Call to Order
2. Certification of Open Meeting Law
3. Pledge of Allegiance
4. Minutes: 09/3/19
5. Public Comments (3 min limit)
6. ~~*Discuss Policy on Using County Property by Non-Governmental Entities~~
7. *Award of Contract for Green Lake County Government Center Vestibule Remodel
8. *Highway Storage Building-Shop 2, Bid Results
9. *Request for Quote for replacement of Domestic Waste Water Tank - Shop 2
10. *Update on experience modification factor for 2021 Worker's Comp insurance
11. *Resolutions
 - *Modify Health Insurance Plan Design and Update Personnel Policies and Procedures Manual
12. ~~*Use of County Property~~
13. 2020 Budget Discussion
14. Security Systems Update
15. Maintenance Report
 - Buildings and Grounds Report
 - Monthly Activities
16. Committee Discussion
 - Future Meeting Dates: Regular Meeting 11/5/2019 -5:00 PM
 - Future Agenda items for action & discussion
17. Adjourn

*stricken from the agenda

Kindly arrange to be present, if unable to do so, please notify our office. Sincerely, Elizabeth Otto, County Clerk

Please note: Meeting area is accessible to the physically disabled. Anyone planning to attend who needs visual or audio assistance, should contact the County Clerk's Office, 294-4005, not later than 3 days before date of the meeting.

PROPERTY AND INSURANCE COMMITTEE
September 3, 2019

The meeting of the Property and Insurance Committee was called to order by Chair Vicki Bernhagen on Tuesday, September 3, 2019 at 5:00 PM in the Green Lake County Board Room, Green Lake County Government Center, 571 County Road A, Green Lake, WI. The requirements of the open meeting law were certified as being met. The pledge of allegiance was recited.

Present: Vicki Bernhagen
Richard Trochinski
David Abendroth
Patti Garro
Keith Hess

Absent:

Other County employees present:

Liz Otto, County Clerk
Scott Weir, Maintenance Supervisor
Dawn Klockow, Corporation Counsel
Cathy Schmit, Cty Administrator (5:02)

Sheriff Mark Podoll (5:07)
Harley Reabe, Cty Board Chair
Barry Mashuda, Hwy Commissioner

MINUTES

Motion/second (Abendroth/Garro) to approve the minutes of August 6, 2019 with no additions or corrections. Motion carried with no negative vote.

PUBLIC COMMENTS - none

DISCUSS POLICY ON USING COUNT PROPERTY BY NON-GOVERNMENTAL ENTITIES

Corporation Counsel Dawn Klockow stated she is willing to draft a policy regarding requests from outside entities to use county property. Discussion held on the benefits of having a uniform policy with insurance requirements outlined as well. Chair Bernhagen directed Klockow to work on the policy and bring it back to the committee.

PURCHASE REQUESTS

- Highway – Hurricane Blower

Chair Bernhagen stated this was approved at the Highway Committee with the recommendation to approve the bid from Integrity Lawn Service & Supply, Inc. for \$9,500.

Motion/second (Hess/Trochinski) to approve the purchase of a Hurricane blower from Integrity Lawn Service & Supply for \$9,500. Motion carried with no negative vote.

- Sheriff's Office – Jail Sergeant Phones

Motion/second (Garro/Hess) to approve the purchase of 3 iPhones for jail sergeants. Motion carried with no negative vote.

USE OF COUNTY PROPERTY

County Clerk Liz Otto informed the committee that a certificate of insurance has been received from Green Lake High School for their request to use the Highway property for their Homecoming bonfire. Discussion held on the request from the Nickel A Model A Club to use the fairgrounds parking lot for a lunch stop on June 4, 2020. No action taken pending the development of a policy.

GOVERNMENT CENTER LANDSCAPING AND LTE OPTIONS

Maintenance Supervisor Scott Weir stated that funding for another LTE (Limited Term Employee) has been put into the 2020 budget to cover the need for additional landscaping work.

CLARIFICATION OF SERVICE ANIMAL POLICY

Discussion held on the current service animal policy which was adopted in May of 2015. Chair Bernhagen stated there is no need to change the current policy at this time.

2020 BUDGET DISCUSSION

The proposed 2020 budget for Maintenance was submitted and reviewed.

HEALTH INSURANCE UPDATE

County Clerk Liz Otto and County Administrator Cathy Schmit gave an update on the health insurance for 2020. Final numbers should be available at the next meeting.

SECURITY SYSTEMS UPDATE

Corporation Counsel Dawn Klockow stated that 2 out of 3 bid documents are complete for the standard AIA contracts.

MAINTENANCE REPORT

- Building and Grounds Report – Maintenance Supervisor Scott Weir updated the report.
- Monthly Activities - The report was reviewed.

COMMITTEE DISCUSSION

Future Meeting Date: October 1, 2019 at 5:00 PM.

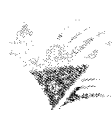
Future Agenda items for action & discussion: health insurance update

ADJOURNMENT

Chair Bernhagen adjourned the meeting at 5:38 PM.

Submitted by,


Liz Otto
County Clerk



CARDINAL
CONSTRUCTION CO., INC.

1183 INDUSTRIAL PARKWAY
FOND DU LAC, WI 54937
PHONE: (920) 922-4446
FAX: (920) 922-1455

General Contractor (Commercial & Industrial) - ESTABLISHED 1980

1183 INDUSTRIAL PARKWAY
FOND DU LAC, WI 54937
PHONE: (920) 922-4446
FAX: (920) 922-1455

September 25, 2019

REVISED BID PROPOSAL

Attn: Barry Mashuda
Green Lake County Highway Commission
570 South Street
Green Lake, WI 54941

RE: Highway Storage Bldg. - Manchester

Dear Barry,

Cardinal Construction Co., Inc. will provide necessary labor, materials, and equipment to perform concrete and building construction work for the highway storage building located N1906 STH 73, Manchester, WI. (per MM Engineering Services drawings dated 5/2/19)

Scope Of Work

Excavation

- Excavate for foundation footings and walls
- Backfill
- Place gravel and compact for building floors and approach slabs

Concrete and Carpentry

- Frame and pour foundation footings
- Frame and pour foundation frost walls
- Install all required reinforcing steel
- Install foam insulation
- Frame and pour exterior concrete approaches
- Frame and pour interior concrete slab
- Finish, sawcut and seal all concrete
- Provide labor and equipment to erect building structure (building materials to be furnished by Green Lake County)

Overhead Doors

- Supply and install (3) 18' x 14' EZ Therm sectional doors
- Supply and install (2) 12' x 14' EZ Therm sectional doors
- Supply and install (5) Liftmaster T50 Trolley operators
- Install (3) button wall stations and photo eyes

TEAMWORK

Divides the Task – Doubles the Success

Overhead Door Clarification

- All material and labor is included in this proposal for overhead doors. Doors will be under warranty.
- Overhead door company will not install another manufacture's doors and operators due to warranty issues

Schedule Clarification

- Excavation in concrete foundations to be completed mid October/November, 2019. Building construction to begin December 16, 2019, due to back log. If this schedule does not work for Green Lake County, consider this proposal VOID.

TOTAL PRICE – complete in accordance with above specifications.....\$162,368.00
(including Wisconsin State and County taxes, F.O.B. job site)

Option #1

- Remove sales tax from concrete and rebar materials..... **DEDUCT: <\$1,348.00>**

Option #2

- Remove excavation, backfill and gravel materials..... **DEDUCT: <\$20,500.00>**

Option #3

- Remove overhead doors, operators and install labor..... **DEDUCT: <\$15,450.00>**

Option #4

- Add Tyvek or equal building wrap to the outside walls, 8” fiberglass batt insulation, 4-mil vapor barrier to the inside of the wall, R-25..... **ADD: \$4,400.00**

Option #5

- Add 14” of blown fiberglass insulation and 4-mil vapor barrier for the ceilings, R-40..... **ADD: \$5,200.00**

Payment Terms are Net 30 Days. Accounts **PAST DUE** shall be subject to interest charge of 1-1/2% per month equal to the ANNUAL INTEREST RATE of 18% per year. Cardinal Construction Co., Inc. may, on three (3) days written notice to Owner, terminate this Contract before completion if:

- A. Owner is default on any payment for a period of ten (10) days of more; or,
- B. The work is stopped by the Order of the Owner, Owner’s architect or engineer, or any court or public authority.

On such termination, Cardinal Construction Co., Inc. may recover payment for all work completed and for any loss sustained for materials, equipment, tools, labor or machinery to the extent of actual loss thereon plus reasonable profit. Cardinal Construction Co., Inc. shall have the right to collect amounts due hereunder pursuant to all remedies available by law. To the extent not prohibited by law, Owner shall pay all reasonable costs and expenses of collection, including attorney’s fees and other legal expenses, incurred by Cardinal Construction Co., Inc. in the enforcement of this contract.

TEAMWORK
Divides the Task – Doubles the Success

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workers' Compensation Insurance. This proposal is valid for 30 days. Thereafter, it is subject to change due to market fluctuation.

If this proposal is accepted, the parties agree to execute a construction contract that will incorporate the terms of this proposal prior to any work on the project.

Clerical errors subject to correction.

*****CONSTRUCTION LIEN LAW NOTICE – PRIME CONTRACTOR*****

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, BUILDER HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION OF OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED BUILDER, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN **60 DAYS** AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHOM FURNISH LABOR OR MATERIALS OR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. BUILDER AGREES TO COOPERATE WITH THE OWNER AND HIS LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

Thank you for allowing us to quote.

Respectfully Submitted by,



Robert Ketter
Project Manager/Estimator
Contractor's License #: 6459

Accepted by,

Barry Mashuda
Green Lake County Highway
Dated: _____



BUILDING CONTRACTOR REGISTRATION

2013 Wisconsin Act 20 ended the authority of the Department of Safety and Professional Services to require a Building Contractor Registration effective July 2, 2013.

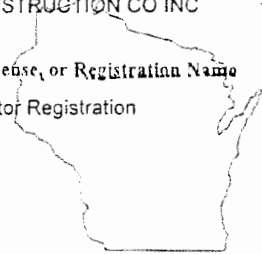
For information regarding Dwelling Contractors, see links below:

- [Dwelling Contractor](#)
- [Dwelling Contractor Restricted](#)
- [Dwelling Contractor Qualifier](#)

ID: 6459

CARDINAL CONSTRUCTION CO INC

Certification, License, or Registration Name	Expires
Building Contractor Registration	05/12/17



Wisconsin Department of Commerce

Signature: *[Handwritten Signature]*



M.P.B. Builders, Inc.

654 E. Oshkosh Street
Ripon, WI 54971
Phone # (920) 748-2601
Toll Free # (800) 782-9632
tom@mpbuilders.com
www.mpbuilders.com

September 18, 2019

Barry Mashuda, Commissioner
Green Lake County Highway Department
570 South Street
Green Lake, WI 54941

Subject: 50' x 81' Heated Storage Building at Shop 2, Manchester, WI

Dear Barry,

It is my privilege to submit for your approval the following proposal. M.P.B. Builders, Inc. will supply labor and equipment to construct the following building on your site at: N1906 State Highway 73, Manchester, WI:

1 – Storage Building – Post-Frame

- a) Labor to construct a building 50 ft wide by 81 ft in length building with an inside clearance of 18'-0".
- b) This building is to be constructed with posts on top of a 3-foot poured concrete wall. This wall will be part of a frost wall with footing for the building foundation. All concrete work to be performed to the plan dated August 2, 2019.
- c) This is a Menards building package and it will be constructed as close to the plans as possible.

2 - Doors and Windows

- a) Three (3) walk doors will be install – included in the package.
- b) Openings for five (5) overhead doors and framing for door openers to be include. At this time, after discussion with Mr. Mashuda, no doors are included in the package.
 - a. Three (3) 18 ft wide by 14 ft high
 - b. Two (2) 12 ft wide by 14 ft high

3- Ventilation/Insulation/Interior Surfaces

- a) Install 81 linear feet of Profile ridge venting.
- b) Install supplied 2-inch condensation barrier insulation supplied with the Menards package. **Please note:** Menards calls this a R=8 insulation value but our supplier says it's closer to R=5.
- c) **See Options below for a more energy efficient building.**

4 – Misc. Building Work

- a) None listed

5 – Excavation / Site Prep Work

- a) To be Completed by Green Lake County Highway Department.

6- Concrete Work ---- SEE CONCRETE NOTES BELOW THIS PROPOSAL

7 – Electrical Construction

- a) All electrical construction is by Green Lake County at this time.

8 – Plumbing Construction

- b) All plumbing construction is by Green Lake County at this time.

9 – HVAC Construction

- c) All HVAC construction is by Green Lake County at this time.

10 – Waste Disposal and Sanitary Facilities

- a) **Site and building clean up by M.P.B. Builders, Subcontractors, and Erection Crew.**
- b) **Cost of Disposal – Disposal of waste will be by Green Lake County. Wood and paper/cardboard wastes on one pile and steel wastes on another pile. If Green lake county prefers our crews will put wasted ion dumpster supplied by Green Lake County.**
- c) **Restroom facilities are to be supplied by Green Lake County.**

11 - Owner Responsibilities

- a) Utility extensions and temporary power (usage fees) to be paid for by the owner.
- b) Surveying, water run-off studies, soil designs and testing, and required permits for such are the responsibility of the owner unless specified in this proposal.
- c) Any and all not listed mechanicals – electrical, plumbing, HVAC, etc.
- d) Driveways, parking lots, landscaping, lawn seeding, and shrubbery/trees are by the owner unless specified in this proposal.
- e) **Owner is responsible for building insurance from the moment materials are delivered to the site until completion of the building for fire, “Acts of Nature”, theft, and general site liability.**
- f) Owner is responsible for liability of persons on site not employed by MPB Builders, Inc. or its erection crew and subcontractors.

12 - General Information

- a) All engineering has been done by Midwest Manufacturing engineering department.
- b) Any alterations, additions, deletions, or the executing of an option shall be done in writing before they are added, or their construction is started.
- c) All freight and taxes included on any MPB Builders supplied materials.
- d) **Local permits by the Owner.**
- e) All travel and mobilization of equipment and personal by MPB Builders is included.
- f) All work to be completed in a professional manner according to industry practices with competent on-site supervision throughout construction.
- g) MPB Builders, Inc carries General Liability Insurance and Workmen’s Compensation insurance on their employees. Proof of Insurance is available upon request.
- h) Proposal price good for **ten (10) days** due to the volatility in lumber and steel prices.

BUILDING CONSTRUCTION TIMETABLE

- Concrete construction to be completed before December 1st, 2019
 - Building construction to be completed on or before January 31, 2020
- Our construction schedule is out to the end of December at this time.

Total Labor Price: \$ 32, 393.60

Payment to be made as follows: 25% down payment - balance upon competition.

6- Concrete Work

- a) Concrete work to be contracted through MPB Builders and be completed by Duel Concrete Construction.
- b) Work to be done:
 - a. Footing and wall system per the plan dated Aug. 2, 2019.
 - b. Poured floor per the plan dated Aug. 2, 2019. **Price does include setting the floor trench drain because we don't know type and style of floor drain is being supplied. This will be a time and material charge in addition to the concrete charges.**
 - c. Exterior apron poured as per the plan dated Aug. 2, 2019.

Concrete construction cost ---- \$69, 642.58 paid directly to the Concrete Contractor

Payment to be made as follows: 25% down payment - balance upon competition.

Items below will be direct purchases from MPB Builders – cost includes labor & material.
Options to make the building a HEATED energy efficient building:

- 1) Add Tyvek or equal building wrap to the outside walls, 8-inch fiberglass batt insulation, and 4-mil vapor barrier to the inside of the wall. R=25 ----- Add \$ 5, 3760.00
 - 2) Add 14-inches of blown fiberglass insulation and 4-mil vapor barrier for the ceiling. R=40 -----
----- Add \$ 4, 657.50
- NOTE: If you install the insulation package above, you will have to lap the ceiling steel 9-inches to carry the added load. Therefore requiring 25% more ceiling steel.**
- 3) 24" tail additions for a vented eave soffit overhang ----- Add \$ 570.00
 - 4) 24" vented aluminum soffit panels and related trims for the soffit ----- Add \$ 1, 824.00
 - 5) Soffit insulation stop ----- Add \$ 240.00

Options to make the building more structurally sound – added internal bracing:

- 1) 2 x 6 plated brace frames for the sidewalls – 4 frames ----- Add \$ 400.00
 - 2) 2 x 6 plated brace frames for the end walls – 2 frames ----- Add \$ 200.00
- These will only be required if Menards has not included any bracing for the walls.
- 3) 2 x 4/6 plated roof brace frame – one end – This not include in Maenads package – Add \$ 250.00

Barry Mashuda, Commissioner
Green Lake County Highway Department
Green Lake, WI
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Option to make the building attic ventilate more efficiently. These ridge vents would replace Menards Profile ridge venting. These vents do a better job and will not plug up with leaves or dirt.

a) Four (4) 10-foot Mwi RA35 ridge vents color matched to the roof ----- Add \$ 1, 240.00

If all options are provided and installed it would add \$ 14, 757.50 to the price.

This building is for commercial use by the owner and the owner's business. It meets all requirements as a commercial building for use by the public.

MPB Builders strives to provide the highest quality building at a reasonable price. If you find a building priced for less than ours, please let me know. I may be able to explain why it is different.

Remember, if you find a deal that seems to be better elsewhere, you will more than likely find that some of the features of our building are missing or of lesser quality. Our service and reputation are superior to most other builders. We have been in business since 1961 and plan on being here for many years to come.

Thank you for giving me the opportunity of providing you with the above proposal. If you have any questions, need further information, or want to change the size, doors, or configuration of the building please do not hesitate to contact me.

Very truly yours,



Tom Schwarz
Project Manager

Owner's Initials _____ Date: _____

Project Manager Initials _____

Tom's Proposal Worksheet

Name: **G.L. CTY SHOP 2** Project: **50' x 81' x 1-3 -- LABOR ONLY** Date: **Sept 12, 2019**

Building Item:	Unit	No. of:	Cost per	Total Cost	Hrs
50'-0" x 81'-0" x 13'-0" on top of concrete walls	Base	1		\$0.00	116.0
Additional Building Bays	Bays	5		\$0.00	65.0
BUILDING PACKAGE SUPPLIED BY OWNER				\$0.00	0.0
Engineeering & State Approval by MM Engineering				\$0.00	0.0
Building to be constructed on 36" wall - post ontop				\$0.00	0.0
Total				\$0.00	0.0
Price Book Adjustment	%			\$0.00	30.0
BASE TOTAL				\$0.00	211.0
REQUIRED COMPONENTS					
ceiling load truss supplied by owner	included			\$0.00	0.0
Truss reinforcement per plans -- 10 trusses	truss set	10		\$0.00	10.0
				\$0.00	0.0
Install snow bar 3 section of 20 ft	per	1		\$0.00	3.0
Install 3068 walk doors - supplied by owner	per door	3		\$0.00	9.0
Install (3) sidewall door headers	per door	3		\$0.00	9.0
Install (2) endwall door headers	per door	2		\$0.00	6.0
Install framing for door openers	per door	5		\$0.00	5.0
Install Attic access doors	per door	2		\$0.00	3.0
Install supplied Profile ridge vent	per 81 ft	1		\$0.00	4.0
				\$0.00	0.0
Install 2" roof insulation & steel ceiling supplied	per sq ft	4050		\$0.00	64.0
Install 2" wall insulation & interior steel wall panels	per sq ft	3072		\$0.00	45.0
Install code required attic smoke stop	per	1		\$0.00	2.0
				\$0.00	0.0
				\$0.00	0.0
Errors & Omissions	%	0.03%	383.00	\$0.00	12.0
				\$0.00	172.0
PROPOSED TOTAL HOURS				\$0.00	383.0
Total Labor Charges by MPB	per hr	383	\$70.00	\$26,810.00	
Equipment Charges	per job	1	\$1,750.00	\$1,750.00	
Crane and Man to set Trusses	per job	1	\$1,000.00	\$1,000.00	
Porject Manager Fee (Tom)	per job	1	\$1,000.00	\$1,000.00	
				\$0.00	
Overhead and Commisions	%	6.00%	\$30,560.00	\$1,833.60	
MPB TOTAL BUILDING LABOR JOB COST				\$32,393.60	

Tom's Proposal Worksheet

CONCRETE CONSTRUCTION: Provided by MPB

-- P & P 260 ln ft of 28" x 12" reinforced footing	incl				\$0.00
-- P & P 260 ln ft reinforced wall per plan	incl				\$0.00
-- P & P 260 ln ft of 4-inch floor ledge place (3) row of #4 rebar at	incl				\$0.00
-- All reinfocing - 4600 ln ft of 1/2" per plan	incl				\$0.00
-- P & P 65 sheets of 2-inch styrofoam insulation per plan	incl				\$0.00
-- 2 loads clear stone	incl				\$0.00
-- conveyor charges	incl				\$0.00

Total Footing and Wall Cost

\$31,354.90

P & P 4000 sq ft 8" concrete floor - 4000 psi-6bag mix	incl				\$0.00
P & P 4000 sq ft of 6-mil vapor barrier	incl				\$0.00
P & P 4500 sq ft of 6x6x10 wire mesh reinforcing	incl				\$0.00
P & P 700 ft of 1/2" hook rebar drilled into walls	incl				\$0.00
Cut and seal floor	incl				\$0.00

Note setting your floor drain will be charged at Time and Material

\$0.00

Total Floor Cost

\$30,405.60

P & P 936 sq ft of 8" exterior aprons - 4500 psi - 6 bag mix	incl				
P & P 936 sq ft 6x6x10 wire mesh reinforcing	incl				
Cut and seal floor	incl				
interior and exterior expansion joint material installed	incl				

Total Exterior Apron Cost

\$7,882.08

COST IF PAID DIRECT TO CONCRETE CONTRACTOR

\$69,642.58

Options below will be direct payment to MPB Builders for Labor (Included) & Materials

OPTIONS: To make the building a heated energy efficient building

-- 8" fiberglass batt insulation, Tyveck building wrap, and 4-mil vapor barrier to make the exterior walls an R=25	per sq ft	3072	\$1.75	\$5,376.00	37.0
-- 14" blown fiberglass and 4-mil vapor barrier R=40	per sq ft	4050	\$1.15	\$4,657.50	32.0
-- 24" tail additions for vented eave soffit overhang	per pc	20	\$28.50	\$570.00	5.0
-- 24' vented soffit panels and related trims	per ln ft	192	\$9.50	\$1,824.00	13.0
-- Soffit insulation stop	per ln ft	192	\$1.25	\$240.00	4.0

Depending on what bracing Menards sent and I will not know until

we review the materials sent - the items below may or may not be needed

-- 2 x 6 plate brace frames for the side walls	per brace	4	\$100.00	\$400.00	6.0
-- 2 x 6 plate brace frames for the end walls	per brace	2	\$100.00	\$200.00	3.0
-- 2 x 4/6 plated roof brace frame - I know THIS is not included	per brace	1	\$250.00	\$250.00	4.0

The Vent below will replace the profile vent from Menards - they do a better job of ventilating and do not plug up with dirt and leaves.

-- 10 ft MWi RA35 ridge vents color matched to the roof	per pc	4	\$310.00	\$1,240.00	4.0
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PROPOSED TOTAL OF OPTIONS W/ LABOR HOURS

\$14,757.50

108.0



M.P.B. Builders, Inc.

654 E. Oshkosh Street
Ripon, WI 54971
Phone # (920) 748-2601
Toll Free # (800) 782-9632
Fax # (920) 748-4829
www.mpbuilders.com

Federal Employer Identification Number	39-1078433
Dwelling Contractors Certification Number	346087
Dwelling Contractors Qualifier – Leo Souder	667416

Project Manager



M.P.B. Builders, Inc.

654 E. Oshkosh St.
Ripon, WI 54971

Tom Schwarz
Project Manager/Sales

tom@mpbuilders.com
www.mpbuilders.com



Phone: (920) 748-2601
Toll Free: (800) 782-9632
Cell: (920) 229-7139
Fax: (920) 748-5283



ID: 667416

LEO J SOUDER

Certification, License, or Registration Name	Expires
Dwelling Contractor Qualifier Certification	02/18/20



Wisconsin Department of Safety and Professional Services
Signature:

Division of Professional Credential
Processing
4822 Madison Yards Way
Madison, WI 53705
Phone: (608) 266-2112
Fax: (608) 267-0592
Email: dspscredtrades@wi.gov
Website: www.dsps.wi.gov

Certification, License, or Registration Card

Below you will find your certification, license or registration card. This card serves as an additional piece of documentation of licensure that may be carried on person. To view details about your credential or continuing education, log into the eSLA portal where you can view your credential status or use the public lookup to verify the status of your CE. To access the eSLA portal, navigate to www.eSLA.wi.gov.

Wisconsin Department of Safety and Professional Services

MPB BUILDERS INC

Credential ID: DC-069900009

Customer ID: 346087

Certification, License, or Registration Name	Expires:
--	----------

Dwelling Contractor

2020-02-02

Signature:

Please review the information on the card. If errors or discrepancies are found, you may contact the Department at 608-266-2112 or email DSpscRedTrades@wi.gov, and provide your ID number printed on the card. The Department should be notified of changes in addresses as they occur. Notification of address changes is the responsibility of the credential holder. A renewal notice will be emailed to the email address on file 30 and 60 days before expiration. Before the expiration date of each credential indicated on the card. Renewals are contingent upon compliance with the requirements specified in Wisconsin Administrative Code SPS 305.

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
QTREC0598465	P1	COMMON	8	1	

Midwest Manufacturing, Eau Claire, WI

Run: 8:23 S Aug 28 2018 Print: 8:230 S Aug 28 2018 MiTek Industries, Inc. Tue Jul 09 14 27 28

Page 1

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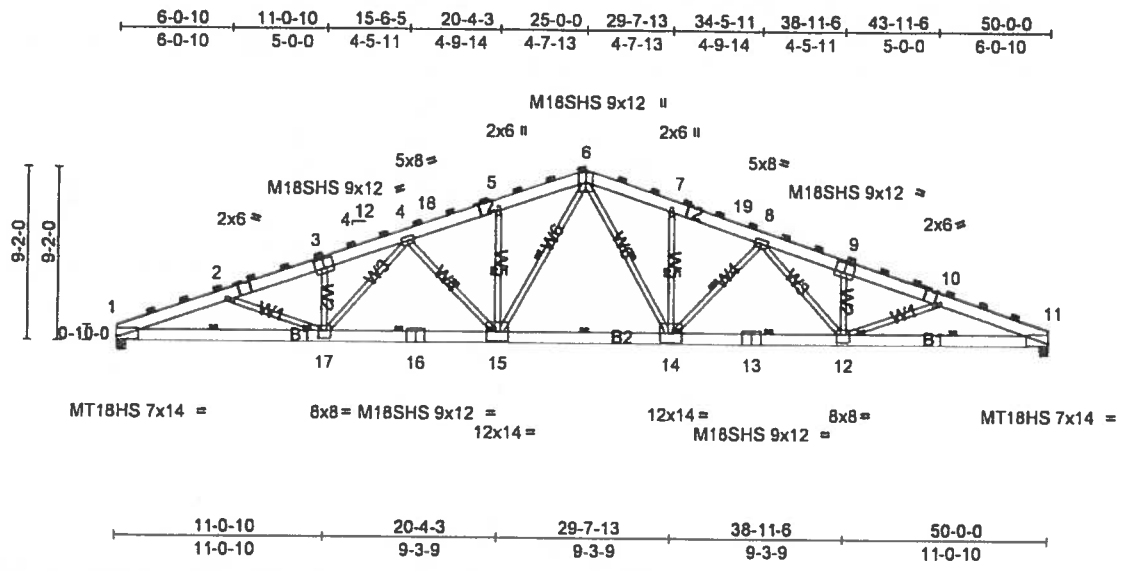


Plate Offsets (X, Y): [1: Edge, 0-1-5], [3: 0-6-0, 0-6-0], [9: 0-6-0, 0-6-0], [11: Edge, 0-1-5], [12: 0-2-8, 0-5-0], [17: 0-2-0, 0-5-0]

Loading	(psf)	Spacing	9-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.79	14-15	>754	240	MT18HS	244/190
Snow (Ps/Pg)	20.8/35.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-1.15	14-15	>518	180	M18SHS	244/190
TCDL	4.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.36	11	n/a	n/a	MT20	197/144
BCLL	0.0	Code	IBC2015/TPI2014	Matrx-R								
BCDL	5.0											Weight: 403 lb FT = 15%

LUMBER	BRACING
TOP CHORD 2x8 SP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (2-1-7 max.)
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD 5-6-0 oc bracing
WEBS 2x4 SPF Stud *Except* W6 2x4 SPF 1650F 1.5E	WEBS 1 Row at midpt

REACTIONS (lb/size) 1=6654/0-5-8, (min 0-5-8), 11=6654/0-5-8, (min 0-5-8)
 Max Horiz 1=402 (LC 15)
 Max Uplift 1=-1736 (LC 8), 11=-1736 (LC 9)

FORCES (lb) - Max Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-16158/4272, 2-3=-15369/3928, 3-4=-15312/4132, 4-18=-12214/3190, 5-18=-12005/3219, 5-6=-12052/3396, 6-7=-12052/3395, 7-19=-12005/3220, 8-19=-12214/3190, 8-9=-15312/4131, 9-10=-15369/3928, 10-11=-16158/4279
 BOT CHORD 1-17=-4088/14840, 16-17=-3190/13074, 15-16=-3190/13074, 14-15=-1981/9753, 13-14=-2913/13074, 12-13=-2913/13074, 11-12=-3818/14840
 WEBS 8-15=-1132/4533, 8-14=-1130/4533, 2-17=-700/535, 3-17=-1054/591, 4-17=-653/2211, 4-15=-2735/1018, 5-15=-1507/470, 7-14=-1507/467, 8-14=-2735/1021, 8-12=-650/2211, 9-12=-1054/586, 10-12=-700/547

JOINT STRESS INDEX
 1 = 0.97, 2 = 0.40, 3 = 0.69, 4 = 0.89, 5 = 0.42, 6 = 0.59, 7 = 0.42, 8 = 0.69, 9 = 0.89, 10 = 0.40, 11 = 0.97, 12 = 0.80, 13 = 0.69, 14 = 0.72, 15 = 0.72, 16 = 0.69 and 17 = 0.80

- NOTES (11)
- 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=35.0 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; Unobstructed slippery surface
 - 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
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1736 lb uplift at joint 1 and 1736 lb uplift at joint 11.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Plate Approval Numbers: ESR-1988 and ESR-1352.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
QTREC0598465	P1SE	COMMON	2	1	

Midwest Manufacturing, Eau Claire, WI

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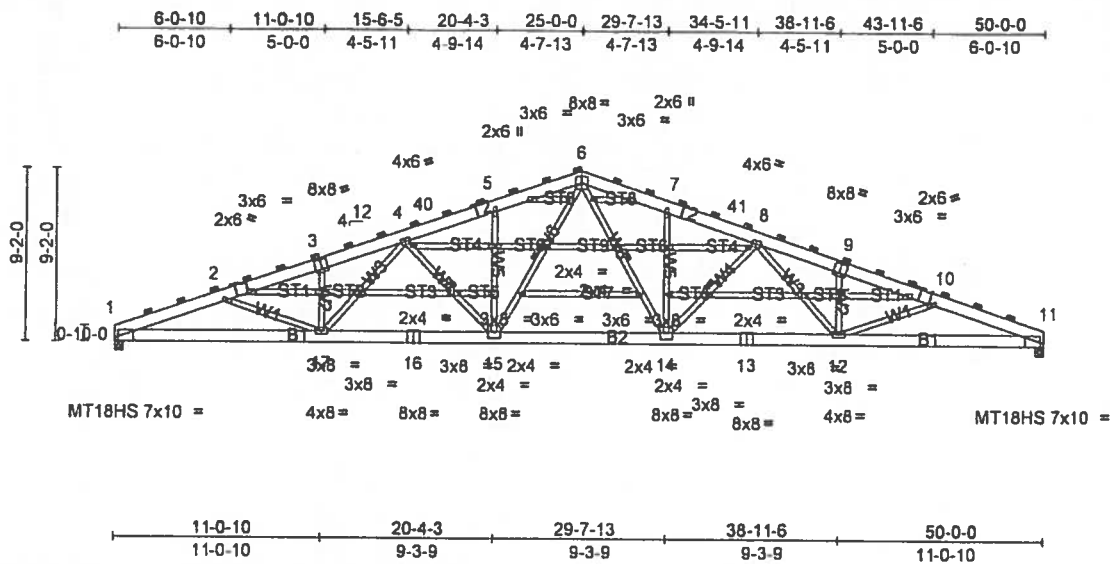


Plate Offsets (X, Y): [1 0-2-1,Edge], [3 0-4-0,0-6-0], [9 0-4-0,0-6-0], [11 0-2-1,Edge]

Loading	(psf)	Spacing	4-6-0	CSI	0.77	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.49	14-15	>999	240	MT18HS	197/144
Snow (Ps/Pg)	20 8/35.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.71	14-15	>842	180	MT20	244/190
TCDL	4.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.18	11	n/a	n/a		
BCLL	0.0	Code	IBC2015/TPI2014	Matrix-R								
BCDL	5.0											
Weight: 427 lb FT = 15%												

LUMBER

TOP CHORD 2x8 SPF No 2
 BOT CHORD 2x8 SP 2400F 2.0E
 WEBS 2x4 SPF Stud *Except* W6 2x4 SPF No.2
 OTHERS 2x4 SPF Stud

BRACING

TOP CHORD 2-0-0 oc purlins (2-4-8 max.)
 BOT CHORD Rigid ceiling directly applied or 6-2-14 oc bracing.
 WEBS 1 Row at midpt 6-15, 6-14, 4-15, 8-14

REACTIONS (lb/size)

1=3327/0-5-8, (min. 0-2-12), 11=3327/0-5-8, (min. 0-2-12)
 Max Horiz 1=339 (LC 16)
 Max Uplift 1=1470 (LC 8), 11=1470 (LC 9)

FORCES

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

TOP CHORD 1-2=8093/3583, 2-3=7878/3307, 3-4=7643/3450, 4-40=8110/2654, 5-40=8008/2669, 5-6=6038/2797, 6-7=6038/2797, 7-41=8008/2669, 8-41=8110/2654, 8-9=7643/3449, 9-10=7676/3307, 10-11=8093/3588
 BOT CHORD 1-17=3473/7436, 16-17=2739/6535, 15-16=2739/6535, 14-15=1733/4869, 13-14=2491/6535, 12-13=2491/6535, 11-12=3229/7436
 WEBS 8-15=979/2294, 8-14=978/2294, 2-17=370/411, 3-17=512/436, 4-17=569/1100, 4-15=1353/817, 5-15=785/363, 7-14=785/361, 8-14=1353/819, 8-12=587/1100, 9-12=512/432, 10-12=370/419

JOINT STRESS INDEX

1 = 0.83, 2 = 0.26, 3 = 0.88, 4 = 0.58, 5 = 0.26, 6 = 0.80, 7 = 0.26, 8 = 0.58, 9 = 0.88, 10 = 0.26, 11 = 0.83, 12 = 0.80, 13 = 0.94, 14 = 0.71, 15 = 0.71, 16 = 0.94, 17 = 0.80, 18 = 0.25, 19 = 0.17, 20 = 0.42, 21 = 0.45, 22 = 0.38, 23 = 0.38, 24 = 0.38, 25 = 0.38, 26 = 0.45, 27 = 0.42, 28 = 0.17, 29 = 0.25, 30 = 0.25, 31 = 0.38, 32 = 0.66, 33 = 0.66, 34 = 0.38, 35 = 0.25, 36 = 0.38, 37 = 0.17, 38 = 0.17 and 39 = 0.38

NOTES (14)

- 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) exterior zone, cantilever left and right exposed; end 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=35.0 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; Unobstructed slippery surface
- 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 2x4 MT20 unless otherwise indicated.
- Horizontal gable studs spaced at 2-6-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1470 lb uplift at joint 1 and 1470 lb uplift at joint 11.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Plate Approval Numbers: ESR-1988 and ESR-1352.

LOAD CASE(S) Standard

EAGLE METAL

17360 Ford Rd, Suite 110
Dallas, Texas 75234

eaglemetal.com

The truss modification drawings referenced below have been prepared by me or under my direct supervision based on the modified truss design criteria and requirements ("modified criteria") provided by Midwest Manufacturing.

Each truss modification drawing relies solely upon information provided by others. We have made no investigation of job site conditions or factors that have necessitated the modifications or may affect the truss. Any variance from the information provided will render the affected truss modification drawing inapplicable.

Listed below are the truss designs included in this package and covered by this seal:

Job: FOND REPAIR - 1110554
p50new, p50newRR

Any location identification is for file reference only. No determination of the appropriateness of modified criteria for any specific project has been made in preparing the truss modification drawings.

Please refer to (1) individual truss modification drawings for specific modified criteria and (2) the original individual truss design drawings for information not shown on the truss modification drawings.

Original Job: FOND REPAIR



Matt Vinson (WI, 39115)

My license renewal date for the state of WI is 07/31/2020.

IMPORTANT NOTE: The responsibility of the engineer sealing this package, as a Truss Engineer, is solely for the design of the modification of the individual trusses as individual building components to alter their original design based upon the modified design criteria provided by others and set forth in the modified truss drawings. The modified truss design criteria for the components have not been verified as appropriate for any particular building, project or use. Adequacy and suitability of design criteria and requirements for the truss designs for any specific project are the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

F

DESIGN NOTES

- The Truss Design Drawing(s) provided with these General Notes have been prepared under and are subject to ANSI/TPI1. Capitalized terms have the meanings provided in ANSI/TPI1.
- Copies of each Truss Design Drawing shall be furnished to the installation contractor, Building Designer, Owner and all persons fabricating, handling, installing, bracing, or erecting the trusses.

DESIGN LIMITATIONS

- The Truss Design Drawing is based upon specifications provided by the Building Designer in accordance with ANSI/TPI1. Neither the Truss Designer, Eagle, nor an engineer who seals this design (if any) assumes any responsibility for the adequacy or accuracy of specifications provided by the Building Designer.
- The Building Designer is solely responsible for the suitability based upon the Truss Design Drawing and shall be responsible for reviewing and verifying that the information shown is in general conformance with the design of the Building.
- Each Truss Design Drawing is for the individual building component (a truss). A seal on the Truss Design Drawing indicates acceptance of professional engineering responsibility solely for the individual truss.
- Each Truss Design Drawing assumes trusses will be suitably protected from the environment.

HANDLING, INSTALLING, & BRACING

- Refer to BCSI for handling, installing, restraining and bracing trusses. Copies can be obtained from the Truss Plate Institute (TPI), 218 N Lee Street, Suite 312, Alexandria, VA 22314, www.tpinst.org or SBCA, 6308 Enterprise Lane, Madison, WI 53719, www.sbindustry.com.
- Bracing shown on each Truss Design Drawing is for lateral support of individual truss components only to reduce buckling lengths. All temporary and permanent bracing, including lateral load and diagonal or cross bracing, are the responsibility, respectively, of the erector and Building Designer.
- Eagle is not responsible for improper truss fabrication, handling, erection or bracing.
- Compression chords shall be laterally braced by the roof or floor sheathing directly attached, or have purlins provided at spacing shown, unless noted otherwise.

- Bottom chord required bracing shall be at 10ft spacing or less, if no structural rated ceiling is installed, unless noted otherwise.
- Strongbacking shall be installed on all parallel chord trusses including flooring systems, to limit deflection and reduce vibration. Refer to BCSI-97.
- Never exceed the design loading shown and never stack building or other materials on inadequately braced truss. Refer to BCSI.
- Concentration of construction loads greater than the design loads shall not be applied to the trusses at any time. Refer to BCSI.
- Trusses shall be handled with care prior to erection to avoid damage. Refer to BCSI for recommended truss handling and erection.

MATERIALS & FABRICATION

- Lumber moisture content shall be 19% or less at the time of fabricate unless noted otherwise.
 - Lumber used shall be of the species and size, and in all respects equal to or better than that specified.
 - Unless expressly noted, the truss designs are not applicable for use with fire retardant or preservative treated lumber.
 - Plates shall be applied on both faces of truss at each joint and embedded fully. Knots and wane at joint locations shall be regulated in accordance with ANSI/TPI1.
 - For a specified plate gauge and grade, the specified size is a minimum.
 - Connections not shown are the responsibility of others.
 - Adequate support shall be provided to resist gravity, lateral, uplift loads.
 - For 4x2 truss orientation, locate plates 0' 1/16" from outside the edge of the truss.
 - Fabrication of truss shall be in accordance with ANSI/TPI1.
- ### OTHER NOTES
- Gambrel is a non-structural consideration and is the responsibility of truss fabricator.
 - Do not cut or alter any truss member or plate without prior approval from a professional engineer.
 - Lumber design values are in accordance with ANSI/TPI1, lumber design values are by others.
 - Install specified hangers per manufacturer's recommendations.

SYMBOLS

PLATE SIZE

1X4 - The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

→, ↑, ↓, ← indicates required direction of slots. Reference "Joint Details" for more information.

20 Ga Gr40 connectors required
1X10 - 20HS - 20 Ga Gr60 connectors required
8X10 - 18HS - 18 Ga Gr60 connectors required

LATERAL BRACING

When this symbol shown, continuous lateral bracing is required on the web of the truss.

BEARING

Indicates location where bearings (supports) occur.

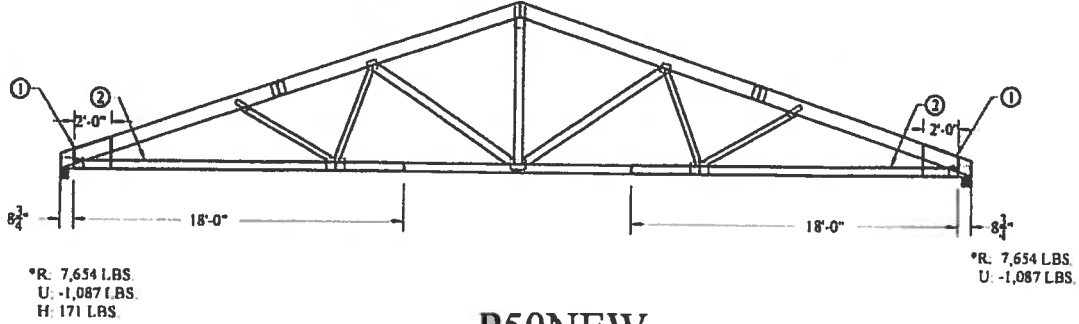
PLATE LOCATION & ORIENTATION

The plate shall be centered on joint and/or placed in accordance with the design drawing/OC full scale details.

REFERENCES

- ANSI/TPI1: National Design Standard for Metal Plate Connected Wood Trusses
- BCSI: Building Component & Safety Information Guide to Good Practice for Handling, Installing, Restraining, & Bracing of Metal Plate Connected Wood Trusses
- NDS: National Design Specification for Wood Construction
- ESR-1092 furnished by the International Code Council, www.iccs.org

*NEW REACTIONS



P50NEW

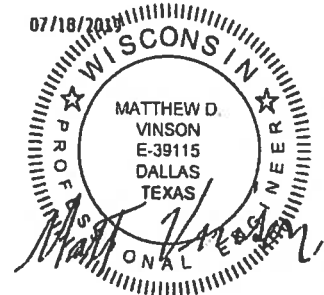
PROBLEM:

P50NEW REQUIRES NEW LOADING INPUT AS FOLLOWS:

- * SPACING UPDATED FROM 8' TP 9' O.C.
- * TCLL UPDATED FROM 30 PSF TO 24.8 PSF
- * BCDL UPDATED FROM 1 PSF TO 5 PSF
- * USING IBC 2015
- * UPDATED FROM CATEGORY I TO CATEGORY II
- * EXPOSURE C
- * SLIPPERY SURFACE USED FOR SNOW INPUT
- * 115 MPH WIND USED FOR WIND INPUT
- * GROUND SNOW LOAD UPDATED FROM 50 TO 35 PSF

SOLUTION:

- 1) ATTACH (2) 3/4" PLYWOOD TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) & (2) STAGGERED ROWS OF 12d COMMON NAILS, OR EQUIVALENT, AT 4" O.C TO EVERY CONTACT MEMBER, STAGGER ROWS ON OPPOSING SIDES, ONE EACH SIDE.
- 2) ATTACH (1) 2 x 6 SYP 2400/2.0 SCAB TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) AND (2) STAGGERED ROWS OF 12d COMMON NAILS, OR EQUIVALENT, AT 4" O.C ATTACH PLYWOOD FILLER BETWEEN THE CHORD/WEBS OF THE TRUSS AND THE SCAB, IF NEEDED. INSTALL PLYWOOD PER STEP 1. INSTALL AFTER THE PLYWOOD GUSSETS ARE APPLIED.



SEE ORIGINAL TRUSS DESIGN DRAWING FOR INFORMATION NOT SHOWN

ALL PERSONS FABRICATING, HANDLING, ERECTING OR INSTALLING ANY TRUSS BASED UPON THIS TRUSS DESIGN DRAWING ARE INSTRUCTED TO REFER TO ALL OF THE INSTRUCTIONS, LIMITATIONS AND QUALIFICATIONS SET FORTH IN THE EAGLE METAL PRODUCTS DESIGN NOTES ASSURED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST.

TrueBuild® Software
 Eagle Metal Products

BUILDING SPECIFICATIONS AND GENERAL NOTES

OWNERS INFORMATION:

NAME: GREEN LAKE COUNTY
 ADDRESS: 570 SOUTH ST.
 CITY: GREEN LAKE
 STATE: WI
 ZIP: 53941

BUILDING DESIGN INFORMATION:

DESIGN CODE: 2018 WI COMM BLDG CODE
 USE OF BUILDING: STORAGE
 OCCUPANCY CLASSIFICATION: GROUP (S-1)
 CONSTRUCTION TYPE: SB
 RISK CATEGORY: 2
 FIRE SUPPRESSION SYSTEM: NO

BUILDING AREA:

AREA OF WORK: 4050 SQFT
 EXISTING BUILDING AREA: 0 SQFT
 TOTAL BUILDING AREA: 4050 SQFT

ALLOWABLE AREA:

TABLE AREA: 9000 SQFT
 PERIMETER INCREASE: 0 SQFT
 SPRINKLER INCREASE: 0 SQFT
 TOTAL ALLOWABLE AREA: 9000 SQFT

BUILDING DESIGN LOADS:

SNOW	WIND	SEISMIC	TRUSS DEAD LOADS
(Pg) = 35.0 PSF (Ca) = 0.80 (h) = 1.00 (Cs) = 1.00 (Pf) = 26.50 PSF (Ca) = 0.84 (Ps) = 25.80 PSF (Lr) = 20.00 PSF	B.W.S. = 115 MPH EXPOSURE = C	SEISMIC IMPORTANCE FACTOR: 1.00 SPECTRA RESPONSE COEFFICIENT SDS: 0.062 SPECTRA RESPONSE COEFFICIENT SD1: 0.065 SITE CLASSIFICATION: 1 SEISMIC DESIGN CATEGORY: A	DLTC = 4 PSF DLDB = 8 PSF

*WITH UNBALANCED LOADS AS REQUIRED

MAJOR STRUCTURAL COMPONENTS:

COLUMNS:	- ALL LAMINATED COLUMNS SHALL BE MIDWEST MANUFACTURING'S, RIVET CLINCHED, WITH STEEL REINFORCED JOINTS UNLESS SPECIFIED OTHERWISE.
TRUSSES:	- DESIGNED IN ACCORDANCE TO 2018 WI COMM BLDG CODE (TP) APPROVED THIRD PARTY INSPECTED - MIDWEST MANUFACTURING TRUSS QUOTE NUMBER: PSONEW (SKU#: 187-7999) - LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.
STEEL PANEL:	- MIDWEST MANUFACTURING PRO-RIB STEEL PANEL .0142" MINIMUM THICKNESS BEFORE PAINTING .0165" NOMINAL THICKNESS AFTER PAINTING G90 GALVANIZED COATING PLUS ZINC PHOSPHATE 40 YEAR PAINT WARRANTY STRUCTURAL STRENGTH ASTM-A553 GRADE 80 (FULL HARD STEEL) 82000 PSI MINIMUM TENSILE STRENGTH

PLEASE NOTE:

- DESIGNER LIABILITY LIMITED TO THE PREPARATION OF THE DRAWINGS WITH THE PARAMETER CONTRACTED AND ASCERTAINING TO CODE COMPLIANCE.
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE RECEIVED FROM THE ENGINEER THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, & DIMENSIONS BEFORE PROCEEDING WITH ANY WORK.
- NO CHANGES, MODIFICATIONS, OR DEVIATIONS SHALL BE MADE FROM THESE DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE ENGINEER.
- WHERE LACK OF INFORMATION, OR ANY DISCREPANCY SHOULD APPEAR IN THE DRAWINGS OR SPECIFICATIONS, REQUEST WRITTEN INTERPRETATION FROM THE ENGINEER BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPORTANTLY THIS BUILDING IS DESIGNED USING THE ROOF AS A DIAPHRAGM (DEEP TRIM BEAM) TO TRANSFER SIDEWALL AND ROOF WIND LOADS TO THE ENDWALL SHEAR WALLS. STEEL PANELS ARE AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS MADE MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE.

SOIL:

- SOIL BASED ON ASABE EP486.2 (TABLE 1)
- PRESUMPTIVE SOIL TYPE: SILTY OR CLAYEY FINE TO COARSE SAND (CLASS OF MATERIAL: SW, SP, SM, AND SO).
- SOIL CONSISTENCY: MEDIUM TO DENSE
- A SOIL BEARING VALUE ASSUMED AT A MINIMUM 2000 PSF.
- ALL FOOTINGS AND SLAB TO BEAR ON UNDISTURBED INORGANIC SOIL OR SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- ALL SOILS BELOW CONCRETE SHALL BE A NON-FROST SUSCEPTIBLE SOIL AS REQUIRED IN ASCE 32.
- OWNER RESPONSIBLE FOR VERIFYING SITE SOIL CONDITIONS. ALL SOILS TO MEET OR EXCEED REQUIREMENTS AS REFERENCED IN THE GENERAL NOTES. CONSULT GEOTECHNICAL ENGINEER IF NECESSARY.
- FOOTINGS TO BE ABOVE THE WATER TABLE

CONCRETE:

- CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- ALL REBAR SHALL MEET A615 GRADE 40 OR BETTER.

LUMBER:

- ALL WOOD CONSTRUCTION SHALL BE OF MATERIALS SHOWN AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE NATIONAL FOREST PRODUCTS ASSOCIATION SPECIFICATIONS FOR WOOD CONSTRUCTION.
- ALL LUMBER IN CONTACT WITH CONCRETE OR SOIL ABOVE GRADE SHALL BE TREATED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AWPA U1 UC3B REQUIREMENTS OR BETTER.
- ALL LUMBER BELOW GRADE SHALL BE TREATED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AWPA U1 UC4B REQUIREMENTS OR BETTER.

STEEL TRIMS:

- COLOR MATCHED STEEL TRIMS

FRAMING FASTENERS:

- GALVANIZED THREADED HARDENED STEEL RINGSHANK NAILS, UNLESS NOTED OTHERWISE.

PANEL FASTENERS:

- COLOR MATCHED GALVANIZED WOODGRIP SCREWS, #10 DIAMETER, 1/4" HEX HEAD.

HANDLING AND STORING:

- ALL STEEL PANELS AND TRUSS PRODUCTS SHOULD BE HANDLED AND STORED PER MANUFACTURER SPECIFICATIONS.

GRADE:

- ALL FINISHED GRADES TO SLOPE AWAY FROM BUILDING AT A MIN. 5% GRADE FOR PROPER DRAINAGE (2% FOR IMPERVIOUS) (IBC 1804)

CONSTRUCTION BRACING:

- TEMPORARY BRACING DURING CONSTRUCTION SHALL BE CONTRACTORS' RESPONSIBILITY. REFER TO BCSI-B1 AND/OR B10 SUMMARY SHEET "GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES", BY THE TRUSS PLATE INSTITUTE (TP) AND THE WOOD TRUSS COUNCIL OF AMERICA (WTCA).

HVAC:

- HEATING, VENTING, AND AIR CONDITIONING REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWING AND SHOULD BE APPROVED BY LOCAL OFFICIALS

PLUMBING:

- PLUMBING REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWING AND SHOULD BE INSTALLED IN ACCORDANCE WITH REQUIRED BUILDING CODES.

ELECTRICAL:

- ELECTRICAL REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWING AND SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL CODES.

EXIT LIGHTS:

- EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH THE ICC ELECTRICAL CODE.

ACCESSIBLE PARKING:

- SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 5.

ACCESSIBLE ROUTE:

- SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 4.

ACCESSIBLE DOOR:

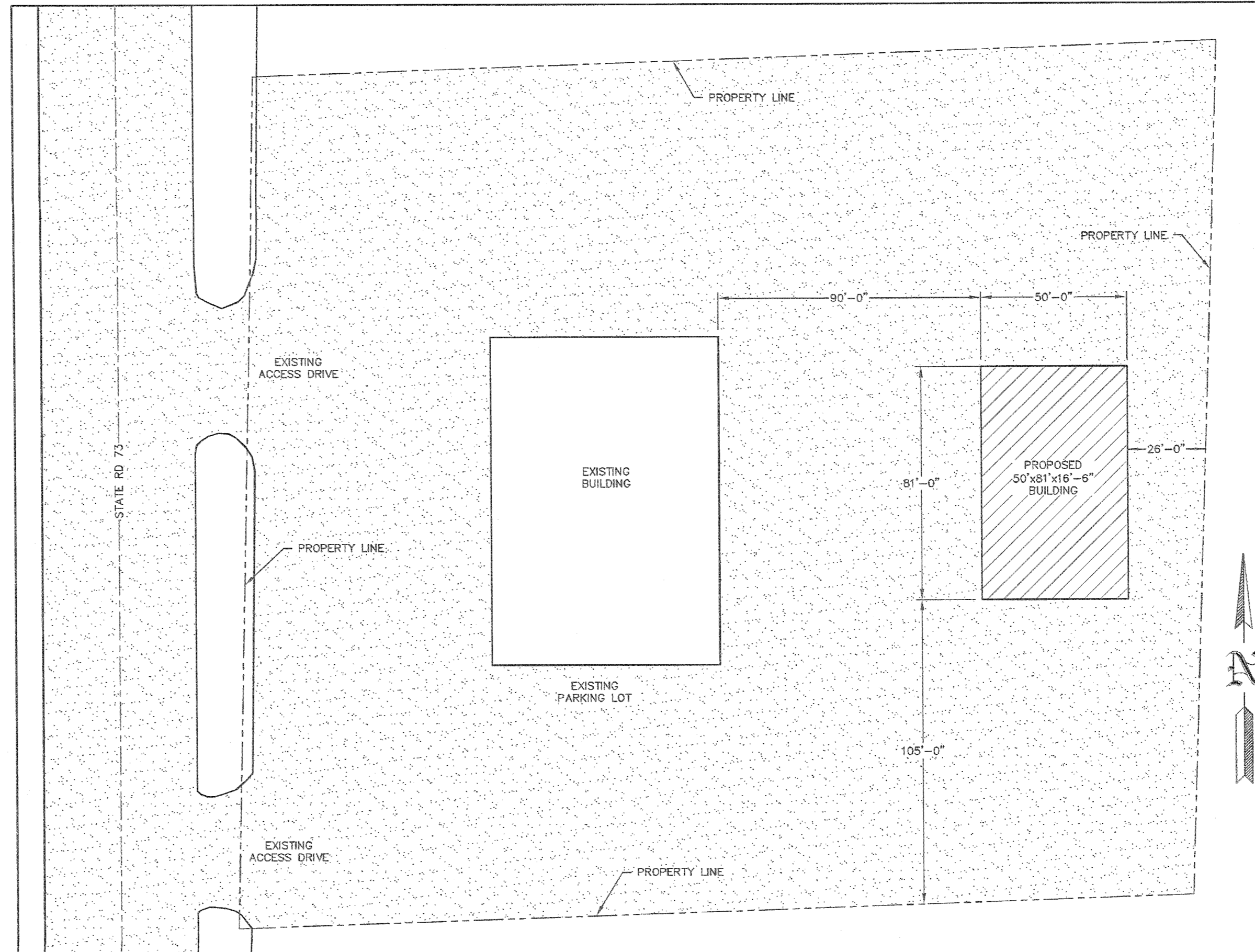
- SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 3 SECTION 309. HANDLES, PULLS, LATCHES, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, FIGHT PULLING, OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPENED, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" (1220 MM) ABOVE FINISHED FLOOR THE THRESHOLD OF SERVICE DOORS MAY NOT EXCEED 1/2" ON EITHER SIDE OF THE DOOR WITH 1:2 SLOPE IF GREATER THAN 1/4".

FIRE EXTINGUISHERS:

- SHALL BE INSTALLED, PROVIDED, AND MAINTAINED AS SPECIFIED IN NFPA NO. 10 (BY OTHERS).

SHOP II STORAGE BUILDING

MANCHESTER, WI



SITE PLAN

SCALE: 1"=30'

BUILDING INFORMATION:	
NAME:	SHOP II STORAGE BUILDING
ADDRESS:	N1306 STATE RD 73
CITY:	MANCHESTER
STATE:	WI
ZIP:	53946
COUNTY:	GREEN LAKE

NOTE: OWNER/CONTRACTOR SHALL VERIFY ALL SETBACKS WITH LOCAL BUILDING OFFICIAL AT TIME OF CONSTRUCTION.

NOTE: PARKING LOT REQUIRES HANDICAP ACCESSIBLE PARKING STALLS. (ANSI 502) FOR NUMBER OF STALLS REQUIRED, SEE WISCONSIN CODE SECTION 1108.

NOTE: CURB RAMPS COMPLYING W/ ICC/ANSI A117.1.408 ARE REQUIRED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

NOTE: THE OWNER SHALL PROVIDE AN ALL WEATHER HARD SURFACE AREA 30 FEET OR MORE IN WIDTH EXTENDING AT LEAST 50% OF THE LENGTH OF ONE SIDE OF THE PROPOSED STRUCTURE AND MUST BE ACCESSIBLE TO FIRE FIGHTING EQUIPMENT.

NOTE: THE OWNER SHALL PROVIDE DESIGNATED SPACE WITHIN OR ADJACENT TO STRUCTURE FOR THE COLLECTION OF RECYCLABLE MATERIALS AS PER SPS 362.0400(2).

NOTE: IF MORE THAN ONE ACRE OF LAND IS DISTURBED BY BUILDING ERECTION AND/OR PARKING AND ACCESS DRIVE SURFACE, THEN THE OWNER/CONTRACTOR SHALL SUBMIT A WATER RESOURCES APPLICATION FOR PROJECT PERMITS (WRAPP) AS PER NR 216.

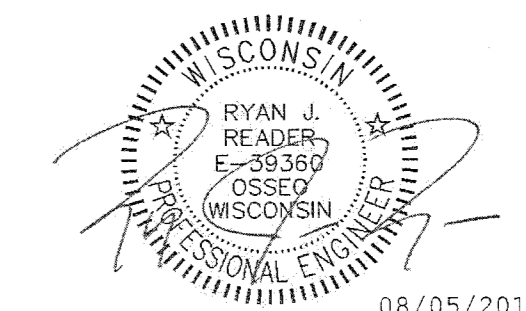
SHEET INDEX	
SHEET #	SHEET DESCRIPTION
S1	GENERAL NOTES AND SITE PLAN
S2	ELEVATIONS
S3	FOUNDATION PLAN
S4	FLOOR PLAN AND COLUMN & FOOTING SCHEDULE
S5	ROOF TRUSS PLAN AND STUD COLUMN SCHEDULE
S6	SIDEWALL SECTION AND SECTION DETAILS
S7	ENDWALL SECTION AND SECTION DETAILS
S8	OVERHEAD DOOR DETAILS
S9	STEEL APPLICATION DETAILS

Building & Roof Truss
 CONDITIONALLY
 APPROVED
 DEPT. OF SAFETY AND
 PROFESSIONAL SERVICES
 DIVISION OF INDUSTRY SERVICES

JOHN P. PEARSE

SEE CORRESPONDENCE

Transaction: 3266567
 New Construction
 Building & Roof Truss
 8/8/19



08/05/2019



ENGINEERING SERVICES

8211 KANE RD. EAST CLARE, WI 54703 (715) 878-8005

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

PROJECT TITLE:

SHOP II STORAGE BUILDING

MANCHESTER, WI

PROF. ENGINEER: RYAN READER

PLAN DESIGNER: RYAN READER

DRAWN BY: JMS

DATE: 8/2/2019

SCALE: AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

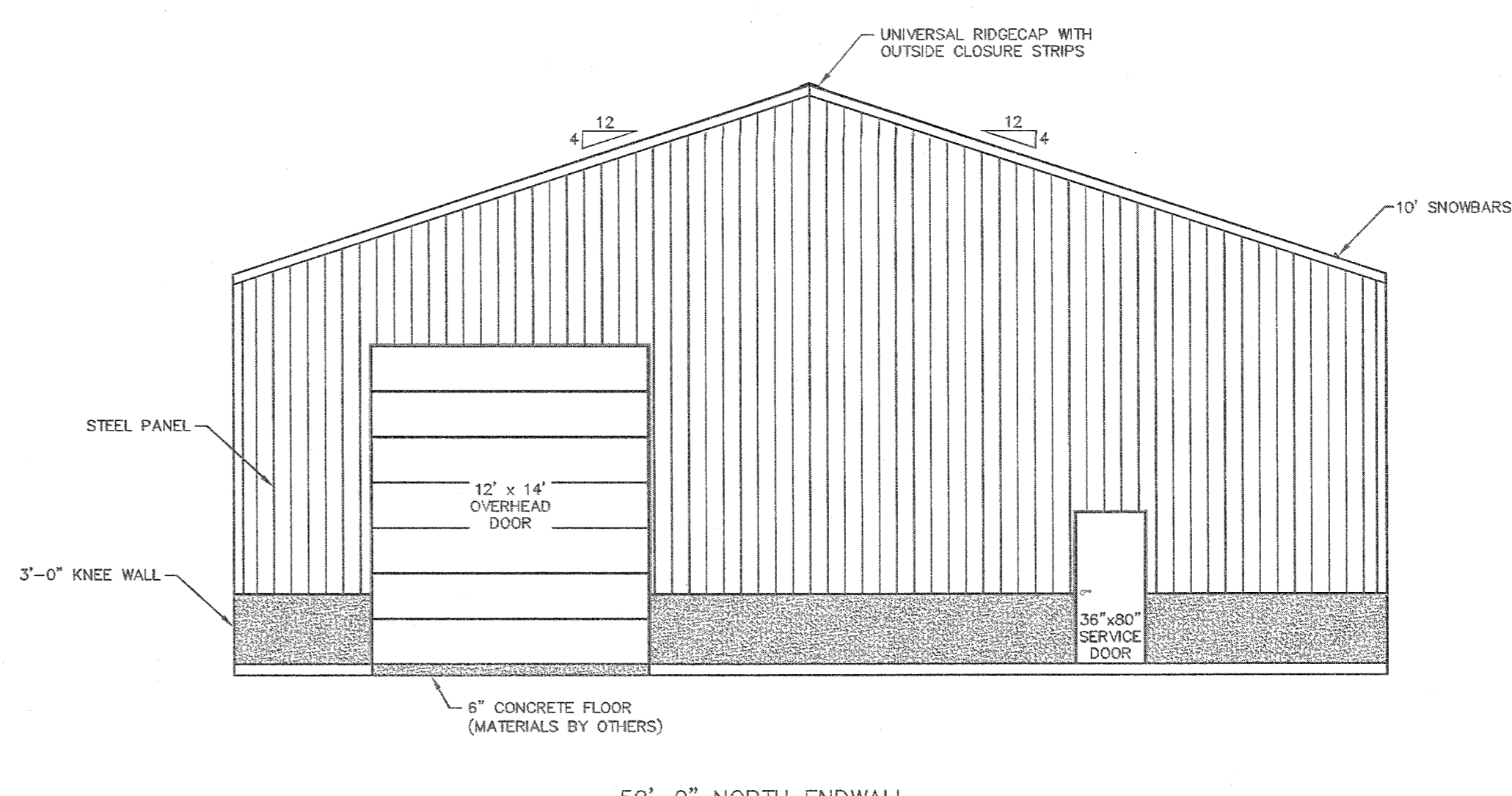
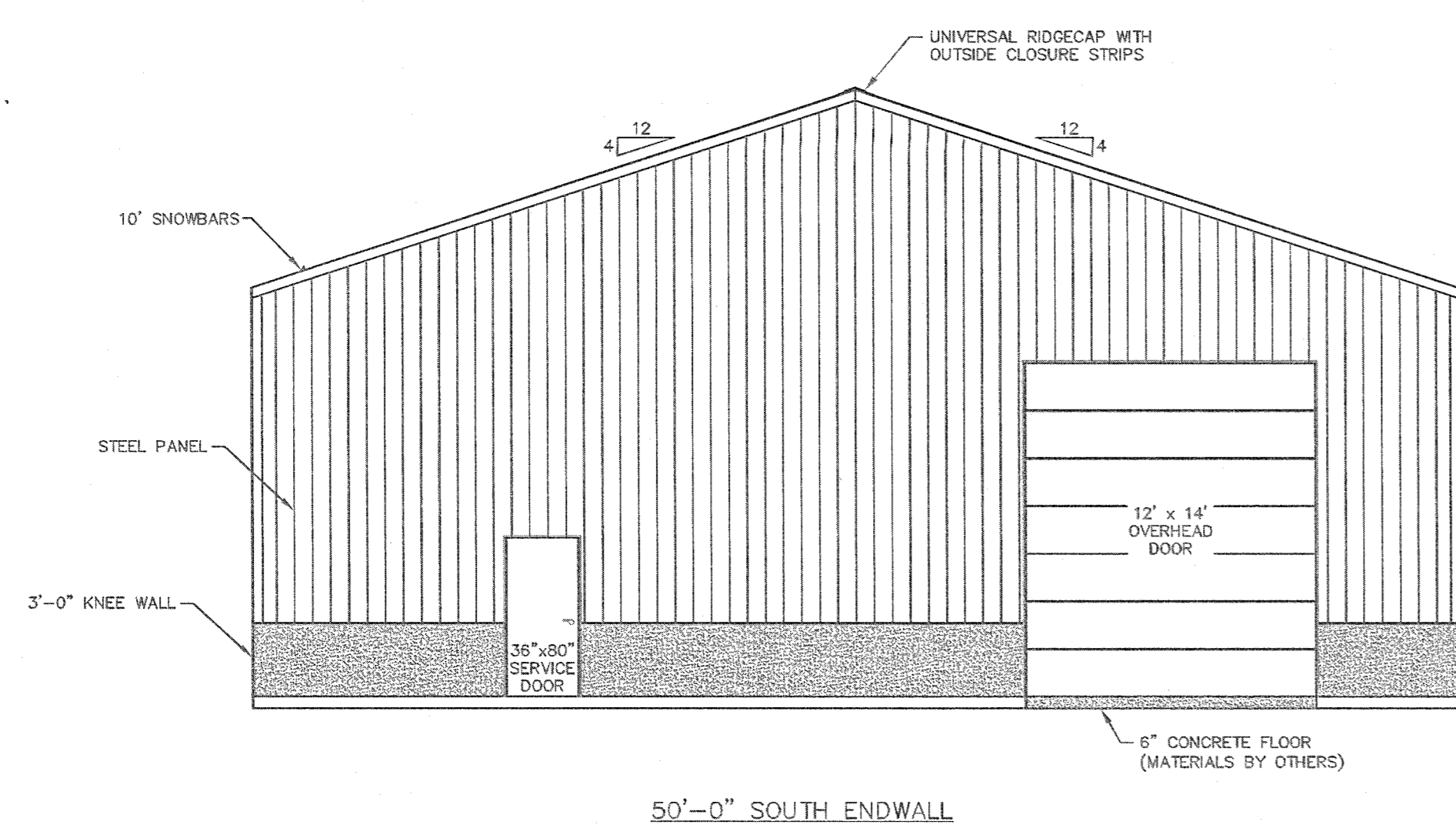
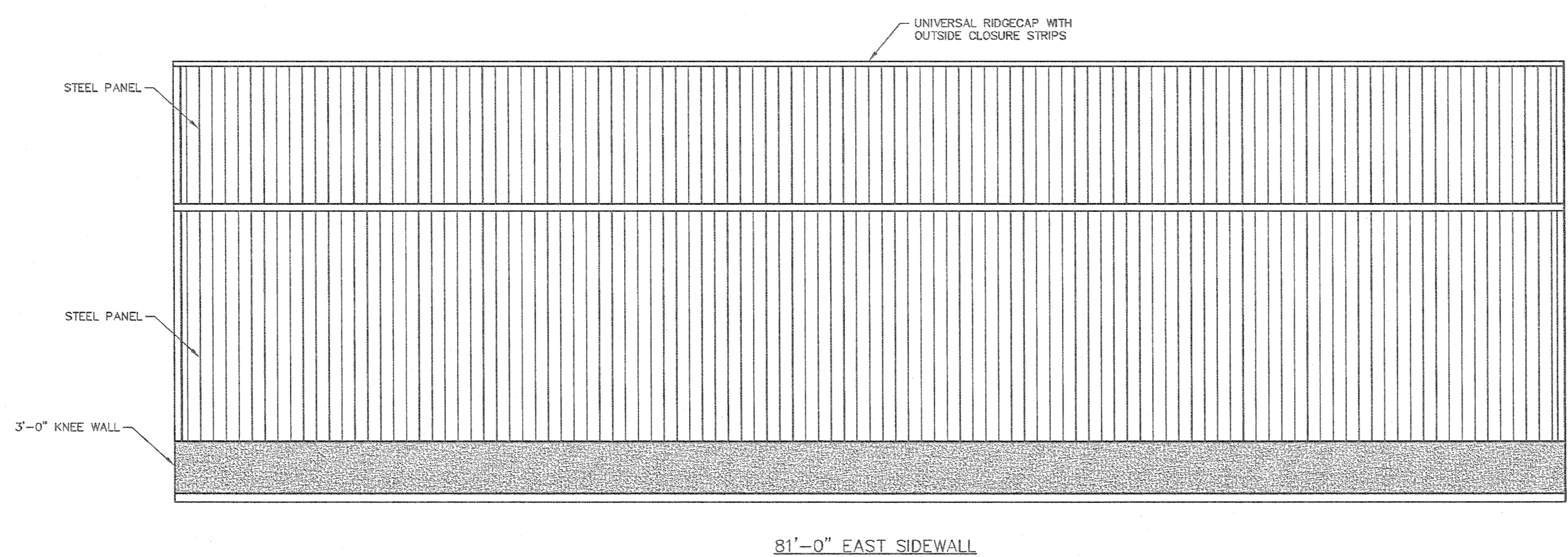
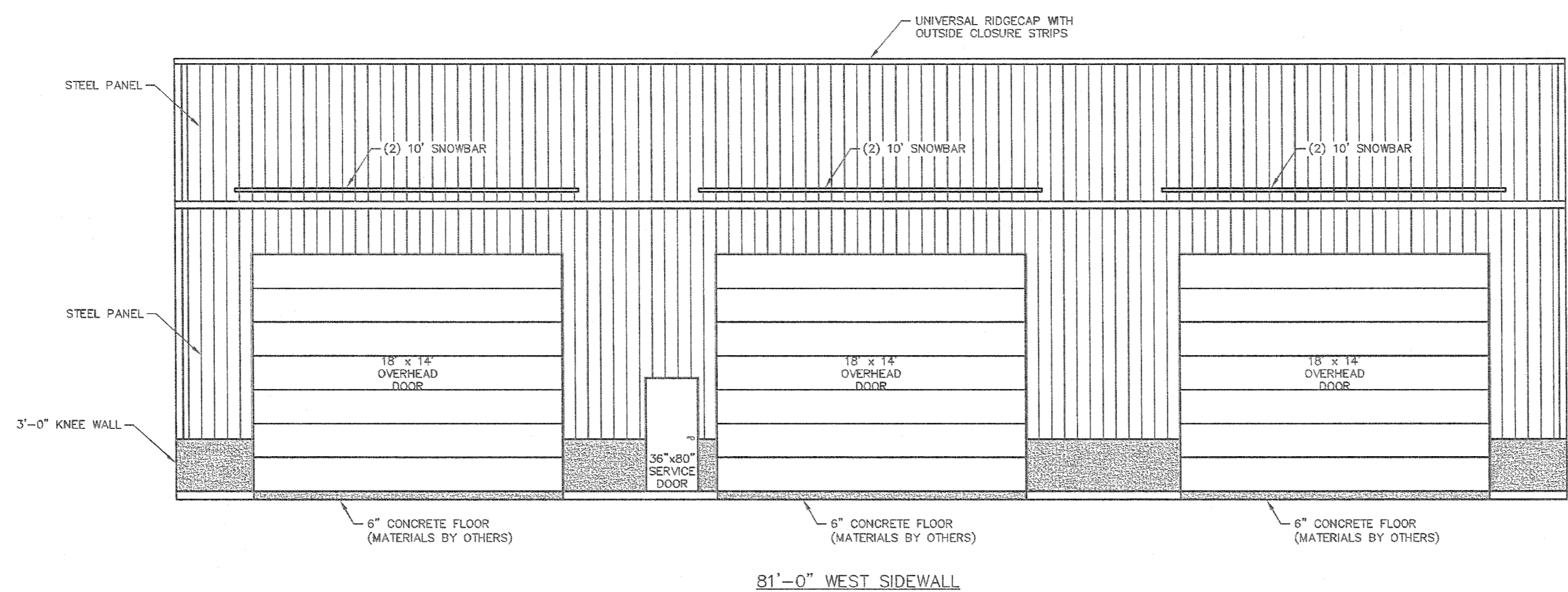
SHEET TITLE:

GENERAL NOTES AND SITE PLAN

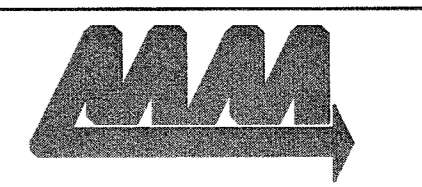
FILE NAME: S16419W

SHEET NO.

S1



ELEVATIONS
SCALE: 3/16"=1'-0"



ENGINEERING SERVICES
6011 KANE RD. EAST CLARENCE, WI 54730 (715) 870-3555

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

PROJECT TITLE:

SHOP II STORAGE BUILDING

MANCHESTER, WI

PROF. ENGINEER: RYAN READER

PLAN DESIGNER: RYAN READER

DRAWN BY: JMS

DATE: 8/2/2019

SCALE: AS NOTED

REVISIONS

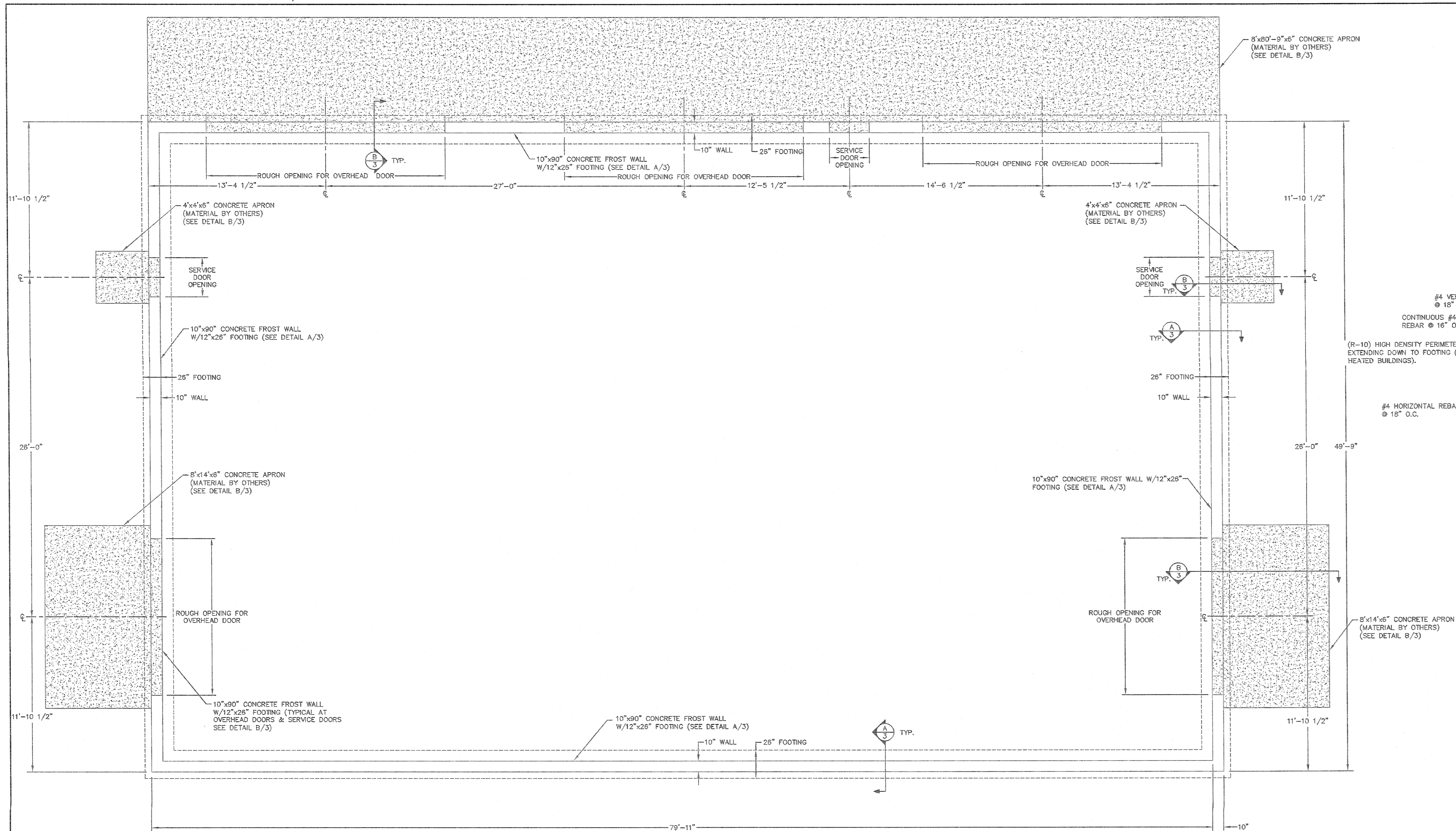
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SHEET TITLE: ELEVATIONS

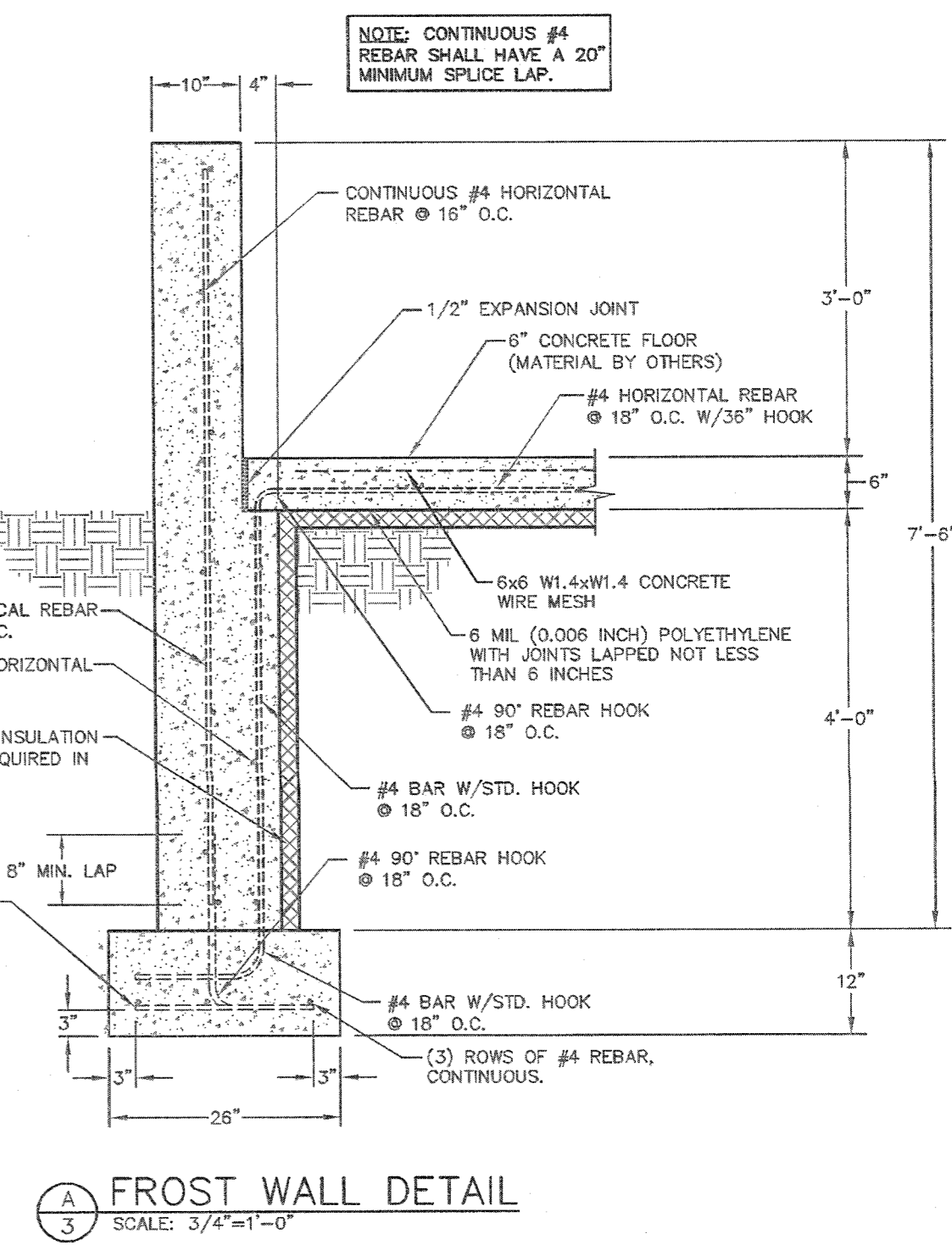
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SHEET NO.

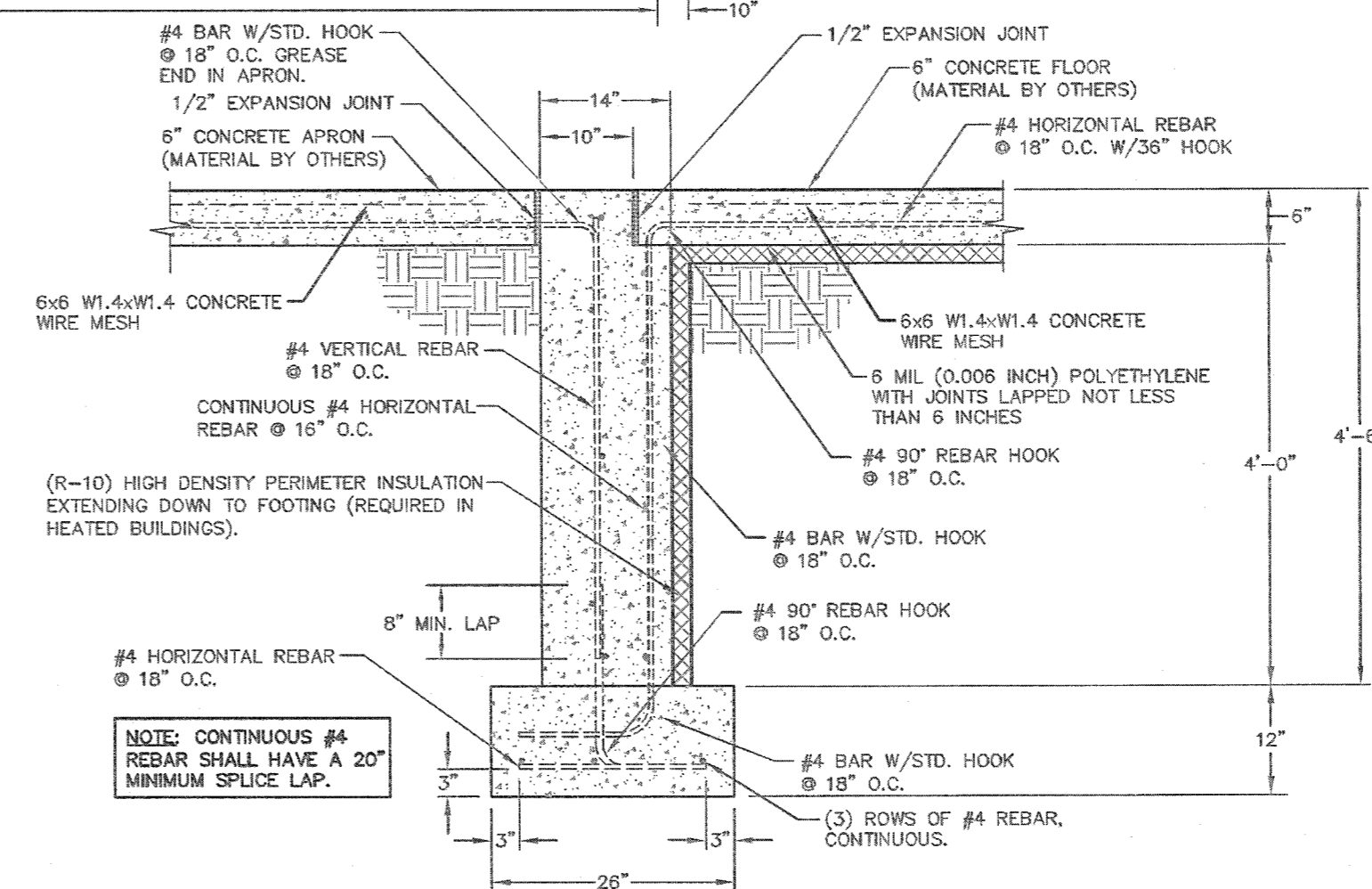
S2



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



FROST WALL DETAIL
SCALE: 3/4"=1'-0"



FROST WALL @ OVERHEAD DOORS AND SERVICE DOORS
SCALE: 3/4"=1'-0"

MM
ENGINEERING SERVICES
5311 KANE RD. SAU CLAIR, WI 54703 (715) 875-9555
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:
SHOP II STORAGE BUILDING

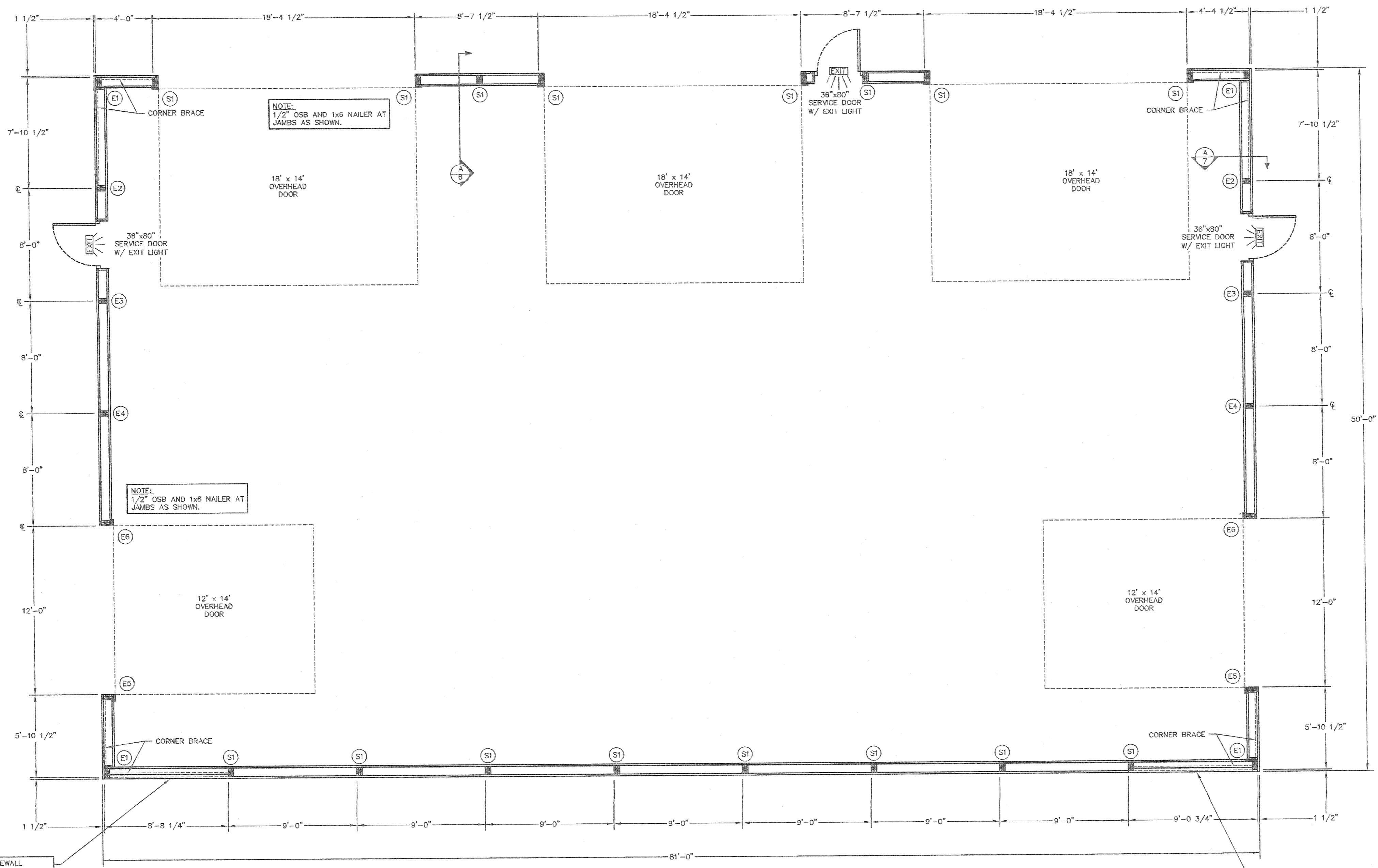
MANCHESTER, WI
 PROF. ENGINEER: RYAN READER
 PLAN DESIGNER: RYAN READER
 DRAWN BY: JMS
 DATE: 8/2/2019
 SCALE: AS NOTED

REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
FOUNDATION PLAN

FILE NAME: S16419WI
SHEET NO.

S3



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

NOTE: 9' CORNER BAYS ON EAST SIDEWALL REQUIRE 2x4 BOOKSHELF GIRTS @ 20" O.C. SECURED TO 2x6 FLAT GIRTS W/10d T.H.S. NAILS @ 12" O.C.

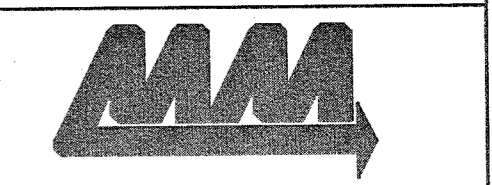
NOTE: 9' CORNER BAYS ON EAST SIDEWALL REQUIRE 2x4 BOOKSHELF GIRTS @ 20" O.C. SECURED TO 2x6 FLAT GIRTS W/10d T.H.S. NAILS @ 12" O.C.

PRO-ANCHOR (PA) BRACKET DESIGNATION

PA60 = 6" UNIVERSAL BRACKET
PA80 = 8" UNIVERSAL BRACKET
PA46 = 4x6 POST BRACKET
PA66 = 6x6 POST BRACKET
PA65 = 3-PLY 2x6 COLUMN BRACKET
PA64 = 4-PLY 2x6 COLUMN BRACKET
PA83 = 3-PLY 2x6 COLUMN BRACKET
PA84 = 4-PLY 2x6 COLUMN BRACKET

COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION	BRACKET DESCRIPTION	BRACKET(S) PER COLUMN	BRACKET TO COLUMN	BRACKET TO CONCRETE (PER COLUMN)
SI	3-PLY (16") 2x8 2400F MSR SYP LAMINATED COLUMN	-	16	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA83	1	(2)-1/2"x6" BOLTS, (6)-1/4"x3" WOOD SCREWS	(2)-5/8"x6" WEDGE BOLTS, 5 3/4" MIN. EMBEDMENT
E1	3-PLY (16") 2x8 2400F MSR SYP LAMINATED COLUMN	-	4	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA80	1	(2)-1/2"x4" LAG SCREWS, (4)-1/4"x3" WOOD SCREWS	(1)-5/8"x6" WEDGE BOLT, 5 3/4" MIN. EMBEDMENT
E2	3-PLY (18") 2x8 2400F MSR SYP LAMINATED COLUMN	-	2	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA83	1	(2)-1/2"x6" BOLTS, (6)-1/4"x3" WOOD SCREWS	(2)-5/8"x6" WEDGE BOLTS, 5 3/4" MIN. EMBEDMENT
E3	3-PLY (20") 2x8 2400F MSR SYP LAMINATED COLUMN	-	2	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA83	1	(2)-1/2"x6" BOLTS, (6)-1/4"x3" WOOD SCREWS	(2)-5/8"x6" WEDGE BOLTS, 5 3/4" MIN. EMBEDMENT
E4	3-PLY (24") 2x8 2400F MSR SYP LAMINATED COLUMN	-	2	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA83	1	(2)-1/2"x6" BOLTS, (6)-1/4"x3" WOOD SCREWS	(2)-5/8"x6" WEDGE BOLTS, 5 3/4" MIN. EMBEDMENT
E5	3-PLY (16") 2x8 2400F MSR SYP LAMINATED COLUMN	-	2	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA80	1	(2)-1/2"x4" LAG SCREWS, (4)-1/4"x3" WOOD SCREWS	(1)-5/8"x6" WEDGE BOLT, 5 3/4" MIN. EMBEDMENT
E6	3-PLY (22") 2x8 2400F MSR SYP LAMINATED COLUMN	-	2	10" CONCRETE FROST WALL (SEE DETAIL A/3)	PA80	1	(2)-1/2"x4" LAG SCREWS, (4)-1/4"x3" WOOD SCREWS	(1)-5/8"x6" WEDGE BOLT, 5 3/4" MIN. EMBEDMENT

NOTE: CORNER BRACE SHALL BE A 2x6 #2 SPF 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)-10d THREADED HARDENED STEEL NAILS AND TO THE SOFFIT NAILER/TOP GIRT W/(3)-10d THREADED HARDENED STEEL NAILS. EACH BRACE TO GIRT LOCATION SHALL BE SECURED W/(1)-10d THREADED HARDENED STEEL NAIL.



ENGINEERING SERVICES
1011 KANE RD. EAST CLARK, WI 54703 (715) 876-5555

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

PROJECT TITLE:
SHOP II STORAGE BUILDING

MANCHESTER, WI

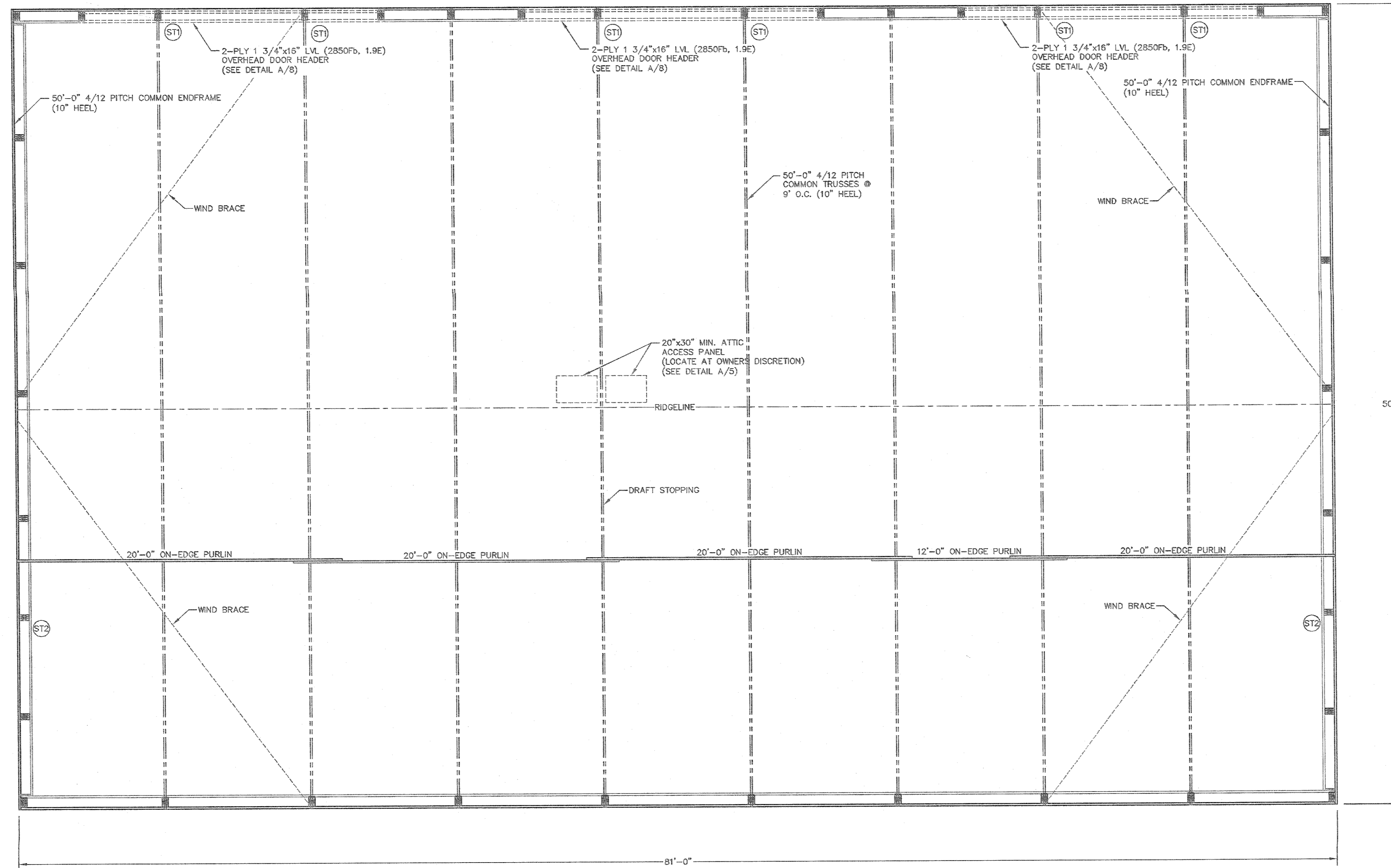
PROF. ENGINEER: RYAN READER
PLAN DESIGNER: RYAN READER
DRAWN BY: JMS
DATE: 8/2/2019
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

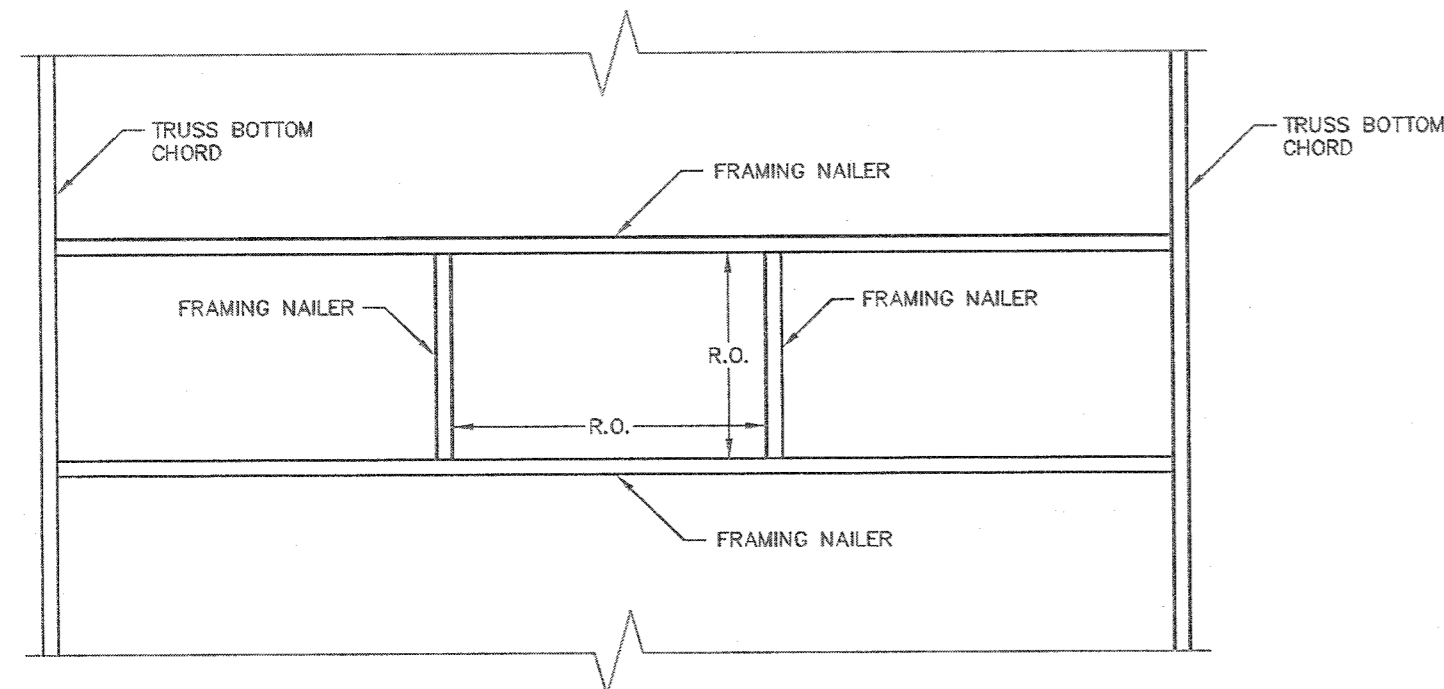
SHEET TITLE:
FLOOR PLAN AND COLUMN & FOOTING SCHEDULE

FILE NAME: S16419W
SHEET NO.

S4



ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



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

NOTE: ATTIC AREA SHALL BE COMPARTMENTALIZED INTO AREAS NOT GREATER THAN 3000 SQ. FT. BY FIRE STOPPING AS SPECIFIED IN IBC 718.4.3. EVERY ATTIC COMPARTMENT SHALL BE PROVIDED WITH A 20"X30" ACCESS PANEL FROM LOWER AREA OR ACCESS PANELS IN COMPARTMENT WALLS SHALL BE PROVIDED WITH SELF-CLOSING DEVICES. (INCLUDES OVERHANGS)

STUB COLUMN SCHEDULE		
COLUMN LOCATION	COLUMN DESCRIPTION	NUMBER OF COLUMNS
ST1	3-PLY 2x8-(4') #2 SPF STUB COLUMN (CUT TO FIT)	6
ST2	3-PLY 2x8-(8') #2 SPF STUB COLUMN (CUT TO FIT)	2

NOTE:
2x4 2100F MSR SPF ROOF PURLINS (ON-EDGE). THE FIRST (5) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 22' O.C. WITH THE BALANCE AT 24' O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/(1)-604 THREADED HARDENED STEEL NAIL AT EACH PURLIN TO TRUSS LOCATION. FOR PURLIN OVERLAP SEE DETAIL D/6

NOTE:
WIND BRACE SHALL BE A 2x4 #2 SPF PLACED ON THE UNDERSIDE OF THE ROOF PURLINS. WIND BRACE SHALL BE SECURED W/(2)-504 THREADED HARDENED STEEL NAILS AT EACH END AND W/(1)-104 THREADED HARDENED STEEL NAIL AT EACH BRACE TO PURLIN LOCATION.

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



ENGINEERING SERVICES

8011 KATIE RD. 2ND CLARK, WI 54702 (715) 876-3500

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

PROJECT TITLE:

SHOP II STORAGE BUILDING

MANCHESTER, WI

PROF. ENGINEER: RYAN READER

PLAN DESIGNER: RYAN READER

DRAWN BY: JMS

DATE: 8/2/2019

SCALE: AS NOTED

REVISIONS

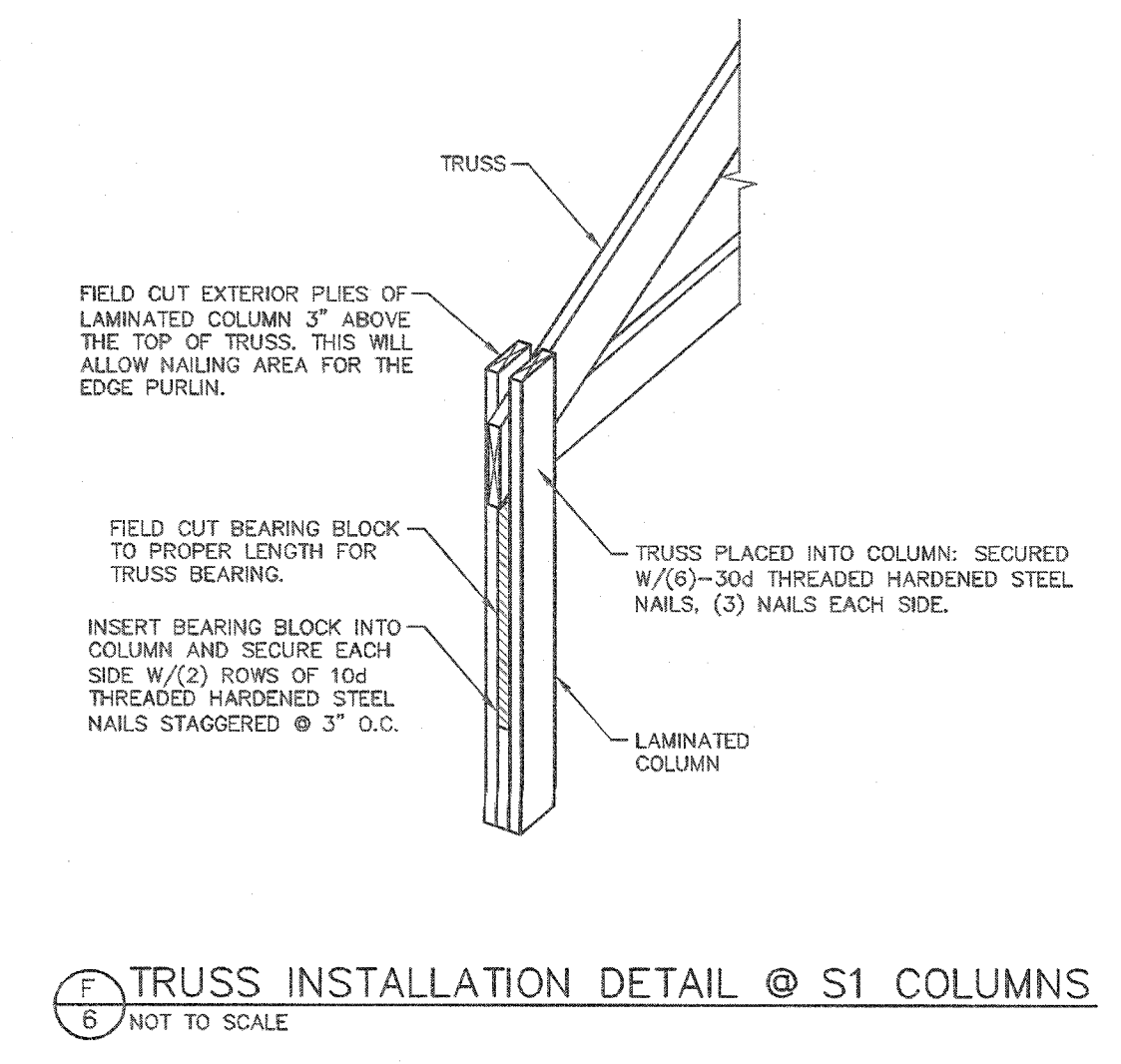
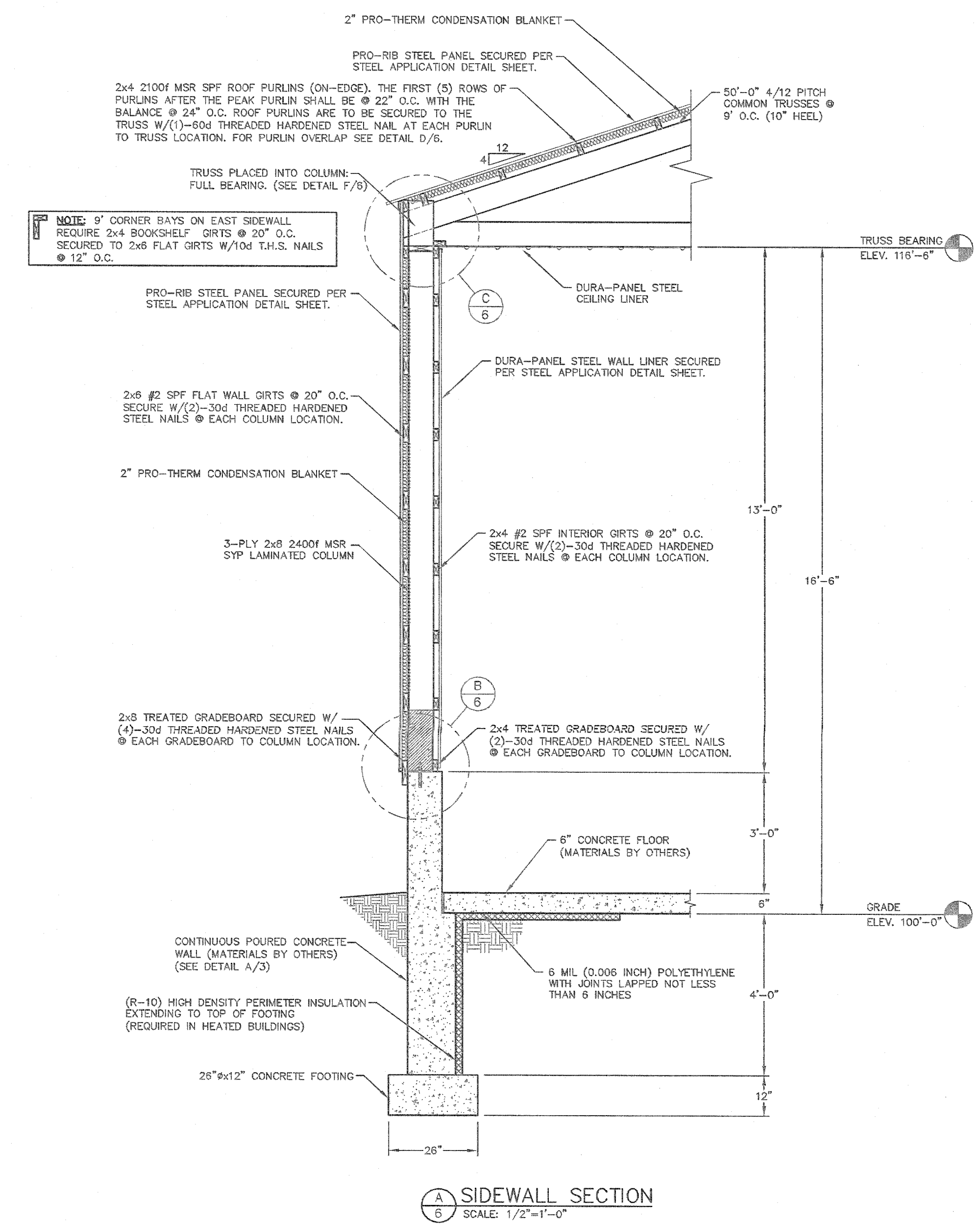
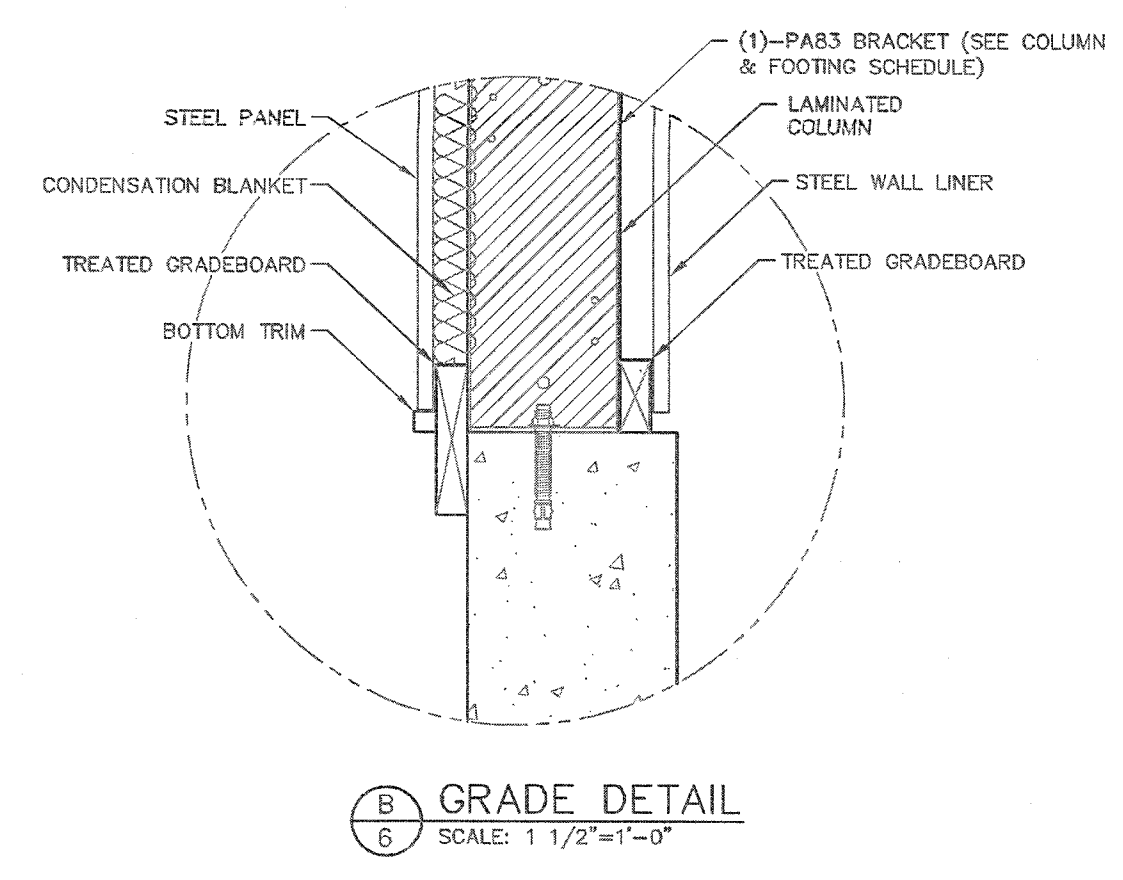
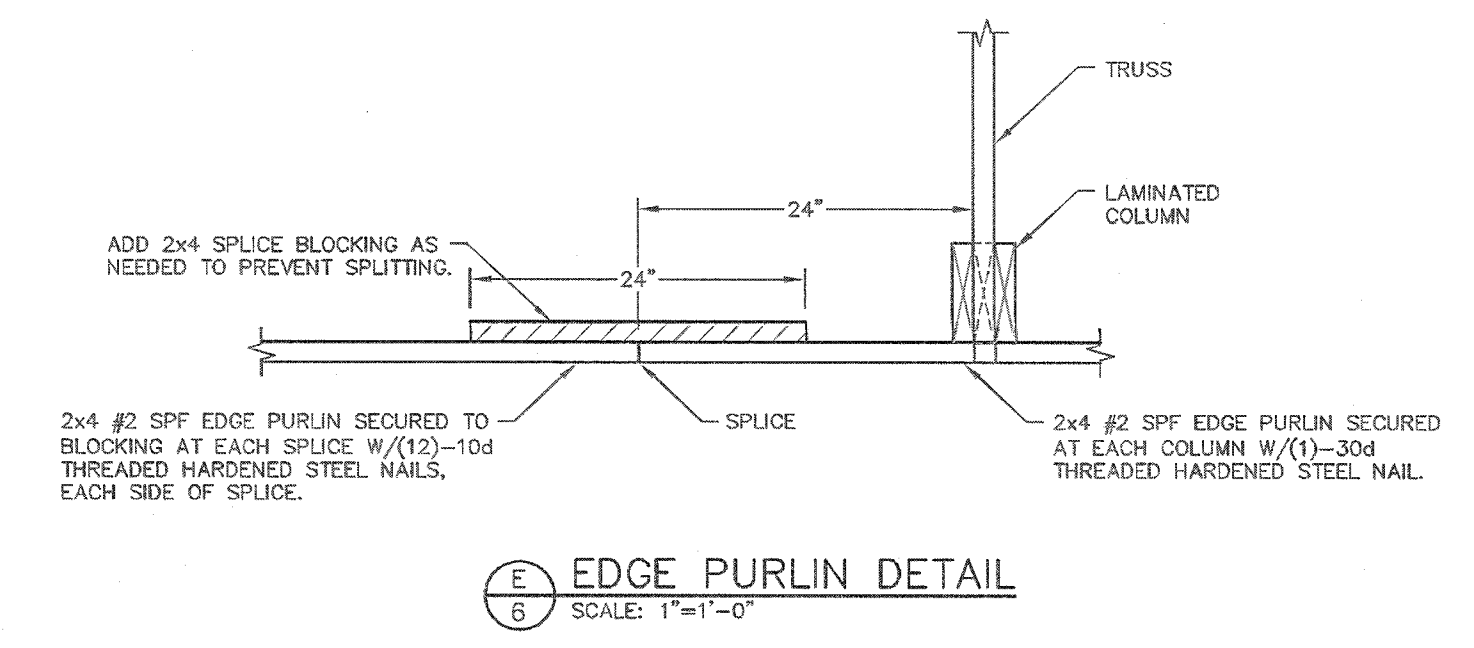
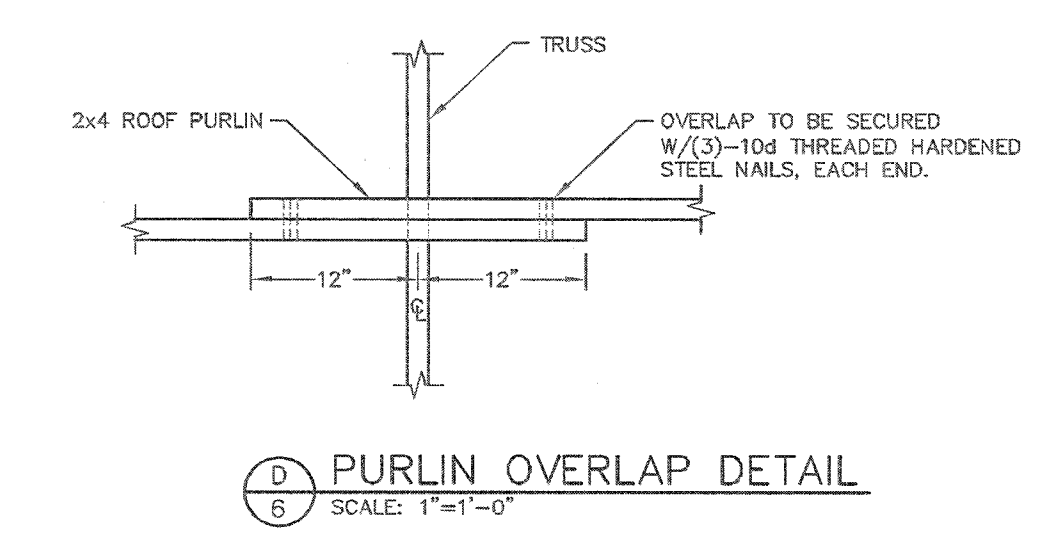
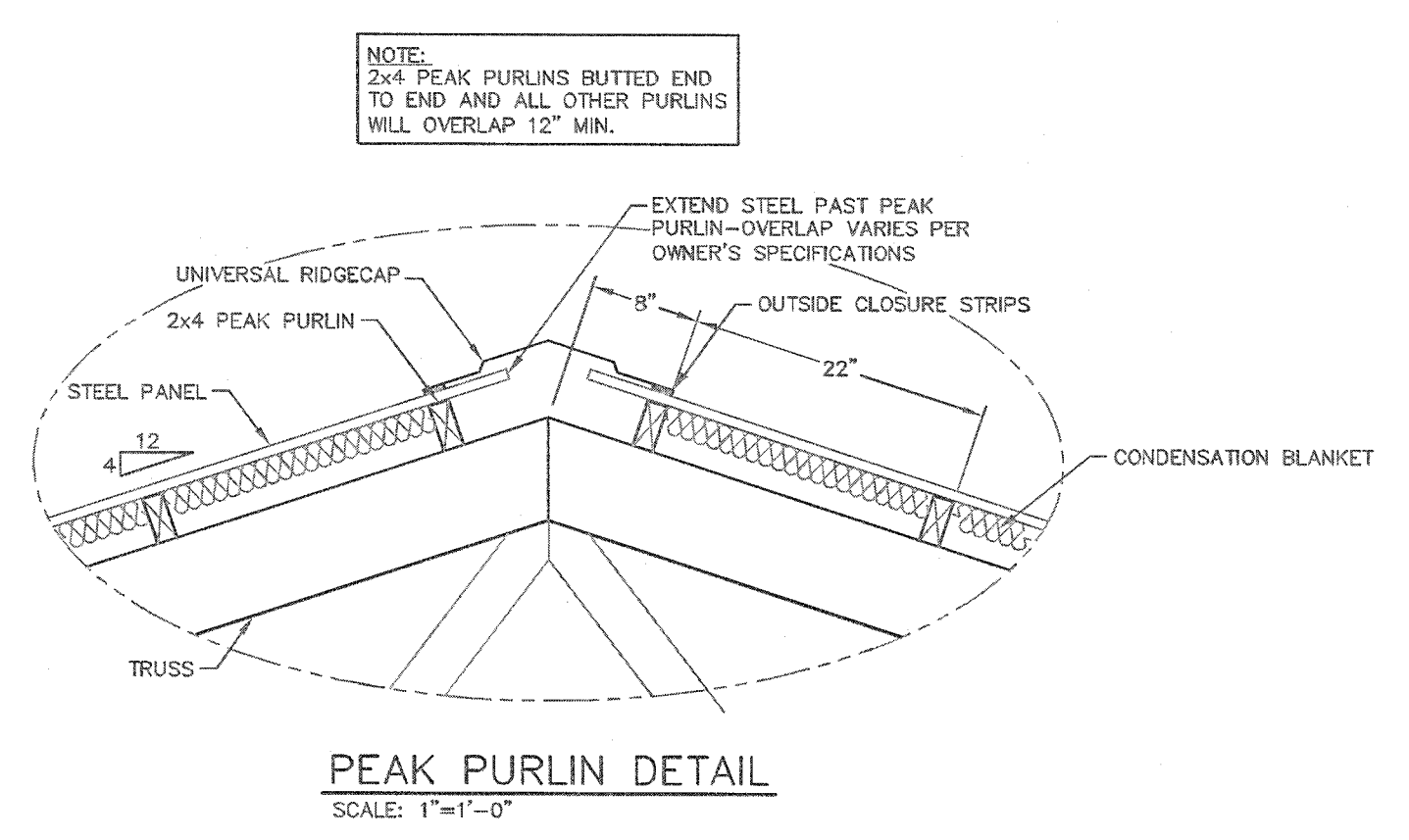
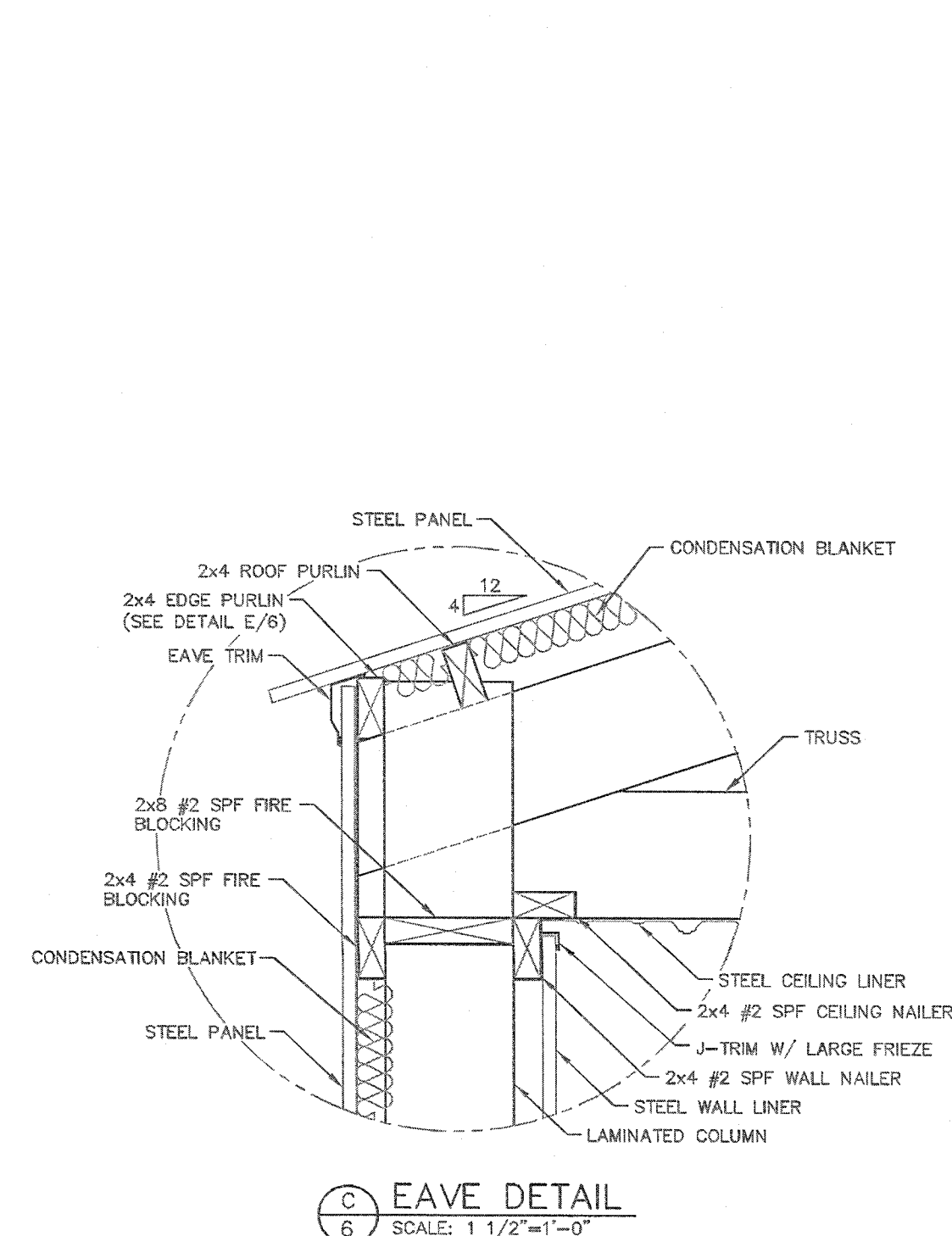
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ROOF FRAMING PLAN AND STUB COLUMN SCHEDULE

FILE NAME: S16419WI

SHEET NO.

S5



MM
ENGINEERING SERVICES
6011 KANE RD. BAIT CLIFFE, WI 54703 (715) 878-8556

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

PROJECT TITLE:
SHOP II STORAGE BUILDING

MANCHESTER, WI

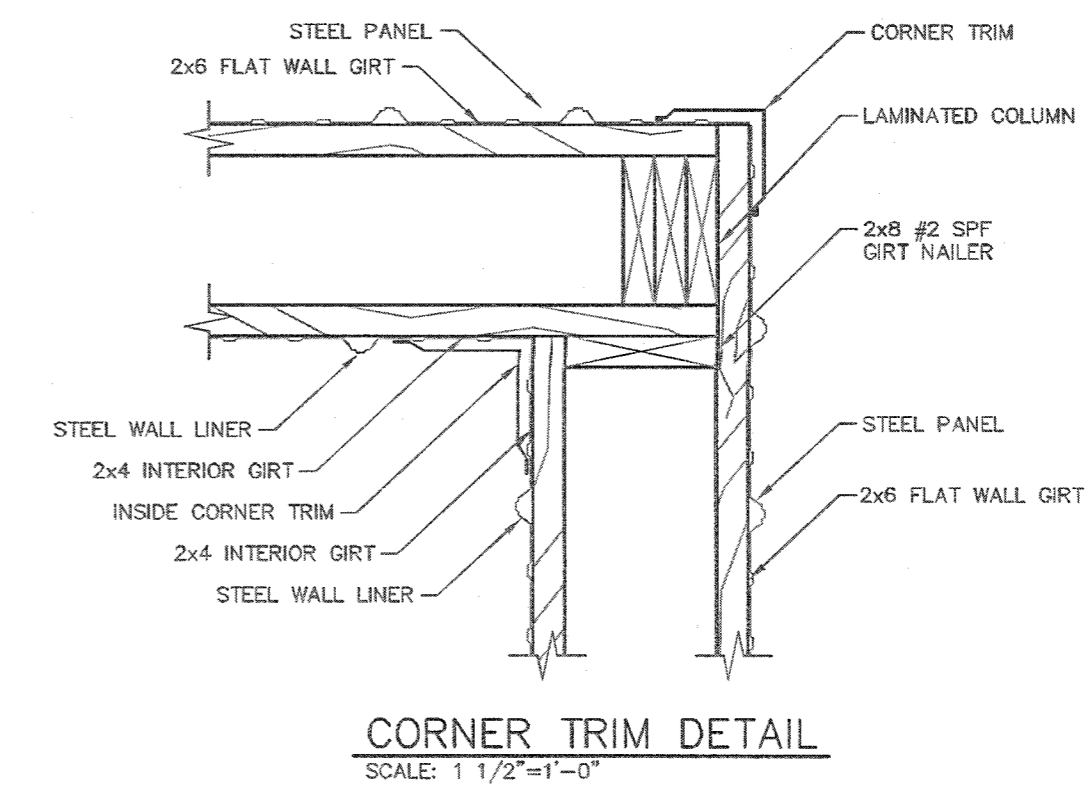
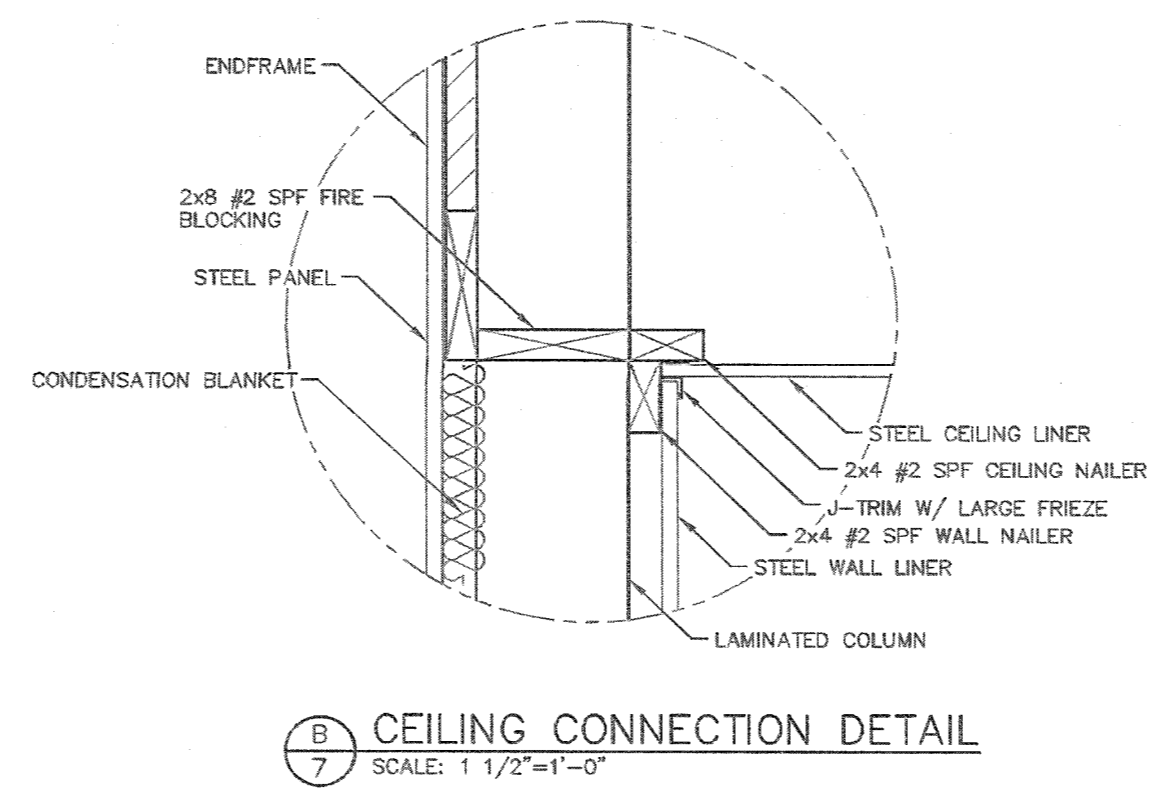
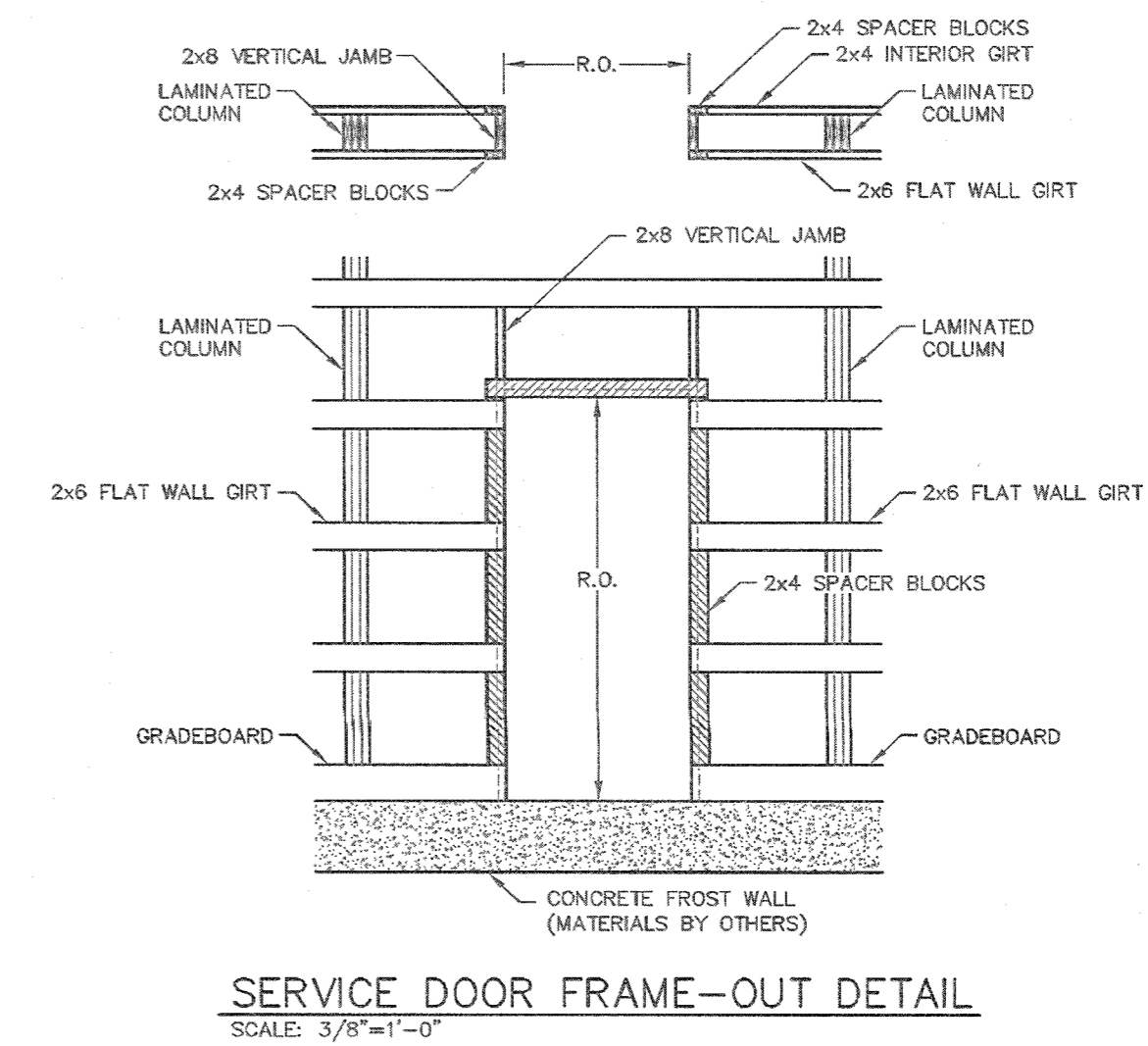
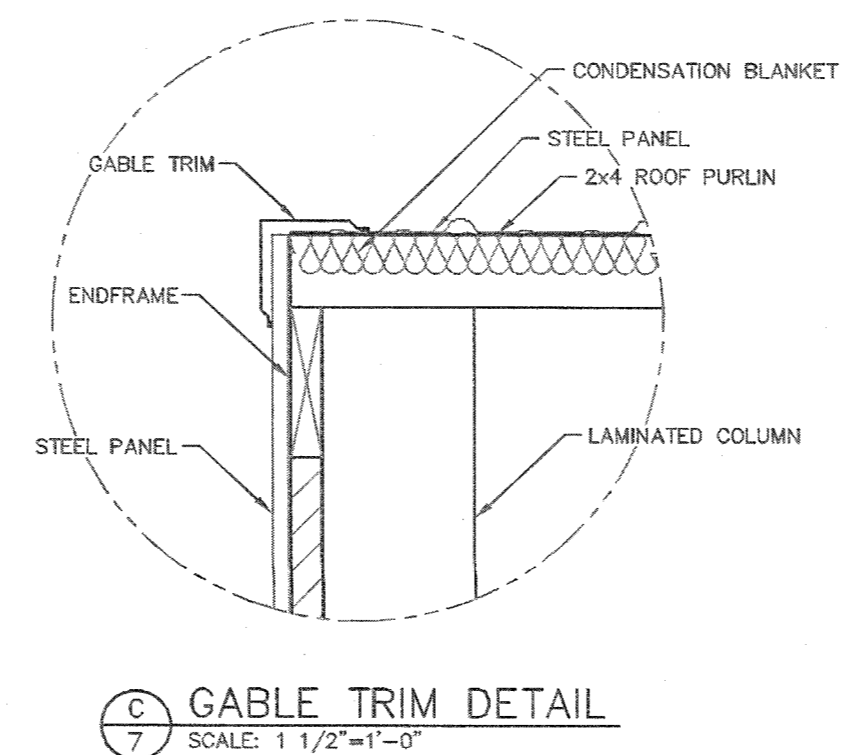
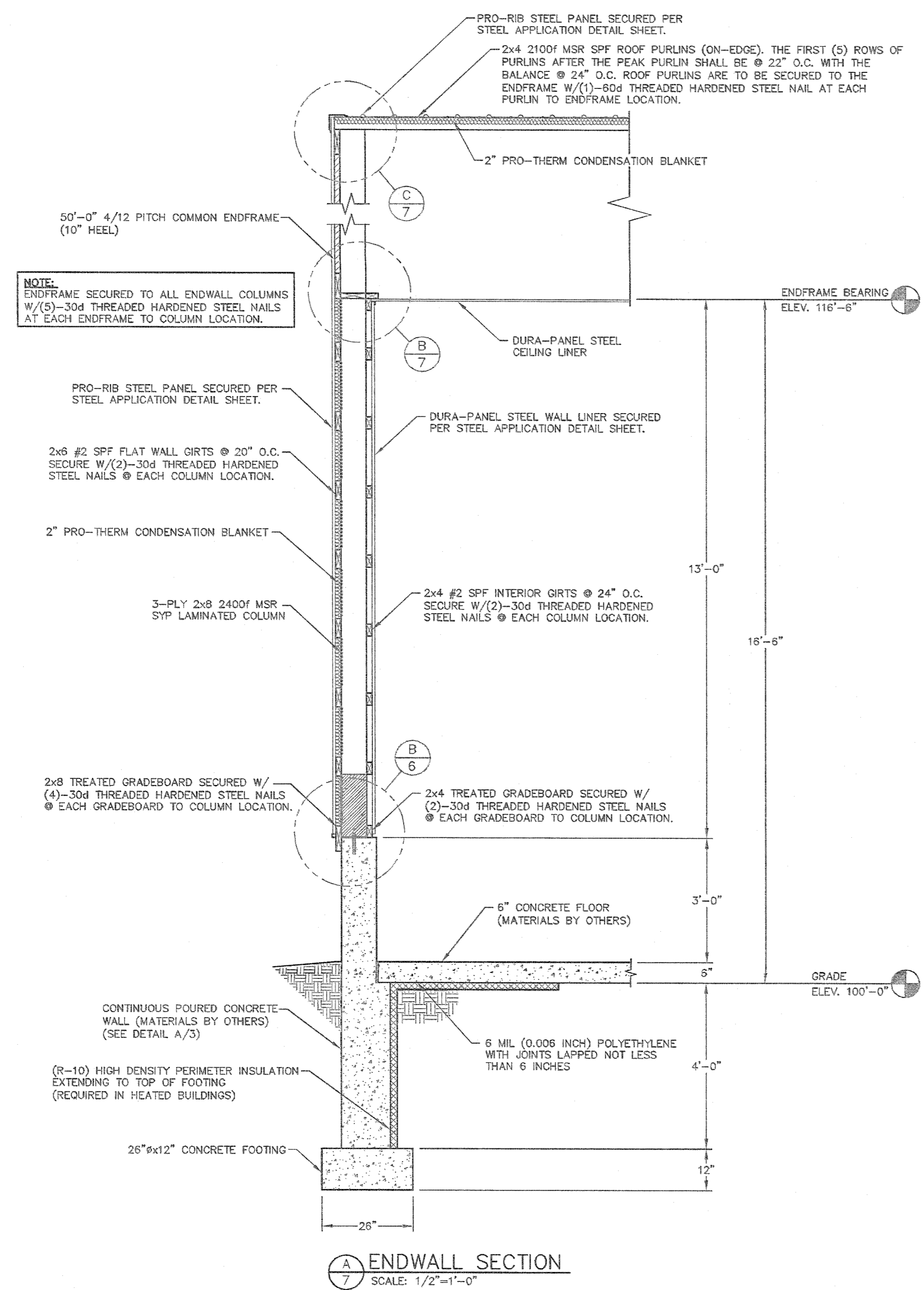
PROF. ENGINEER: RYAN READER
PLAN DESIGNER: RYAN READER
DRAWN BY: JMS
DATE: 8/2/2019
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
SIDEWALL SECTION AND SECTION DETAILS

FILE NAME: S16419WI
SHEET NO.

S6



AAA
ENGINEERING SERVICES
8701 STATE RD. SAJID CLARK, WI 54903 (716) 878-2556

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

PROJECT TITLE:
SHOP II STORAGE BUILDING

MANCHESTER, WI

PROF. ENGINEER: RYAN READER
PLAN DESIGNER: RYAN READER
DRAWN BY: JMS
DATE: 8/2/2019
SCALE: AS NOTED

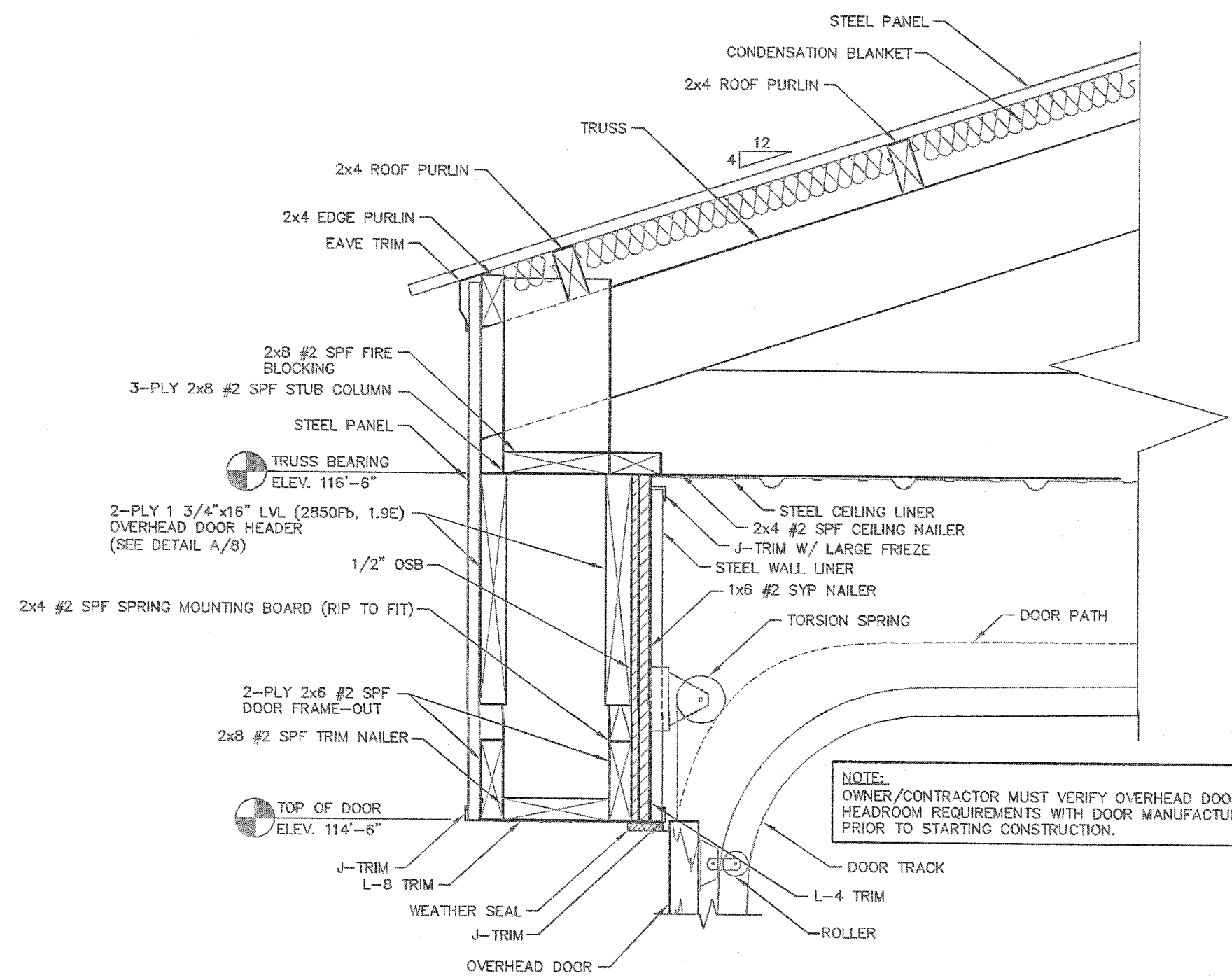
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ENDWALL SECTION AND SECTION DETAILS

FILE NAME: S16419WI
SHEET NO.

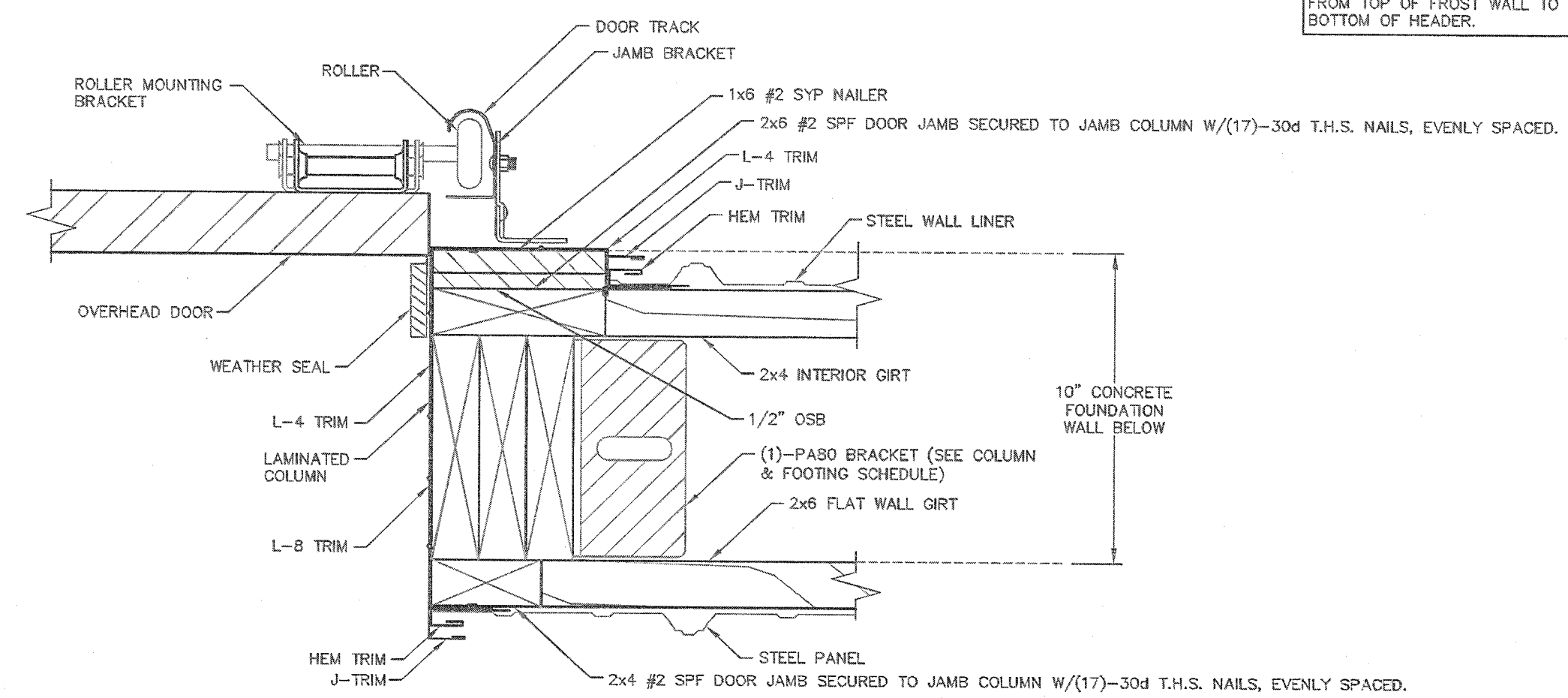
S7



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

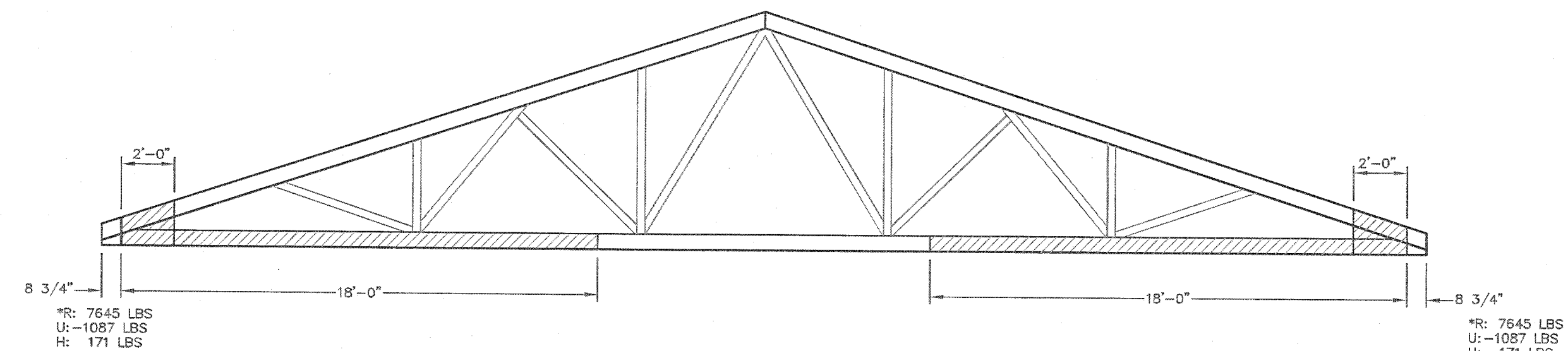
NOTE:
1/2" OSB x 5 1/2" FURRING STRIPS @ JAMBS.

NOTE:
OWNER/CONTRACTOR MUST VERIFY OVERHEAD DOOR HEADROOM REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO STARTING CONSTRUCTION.



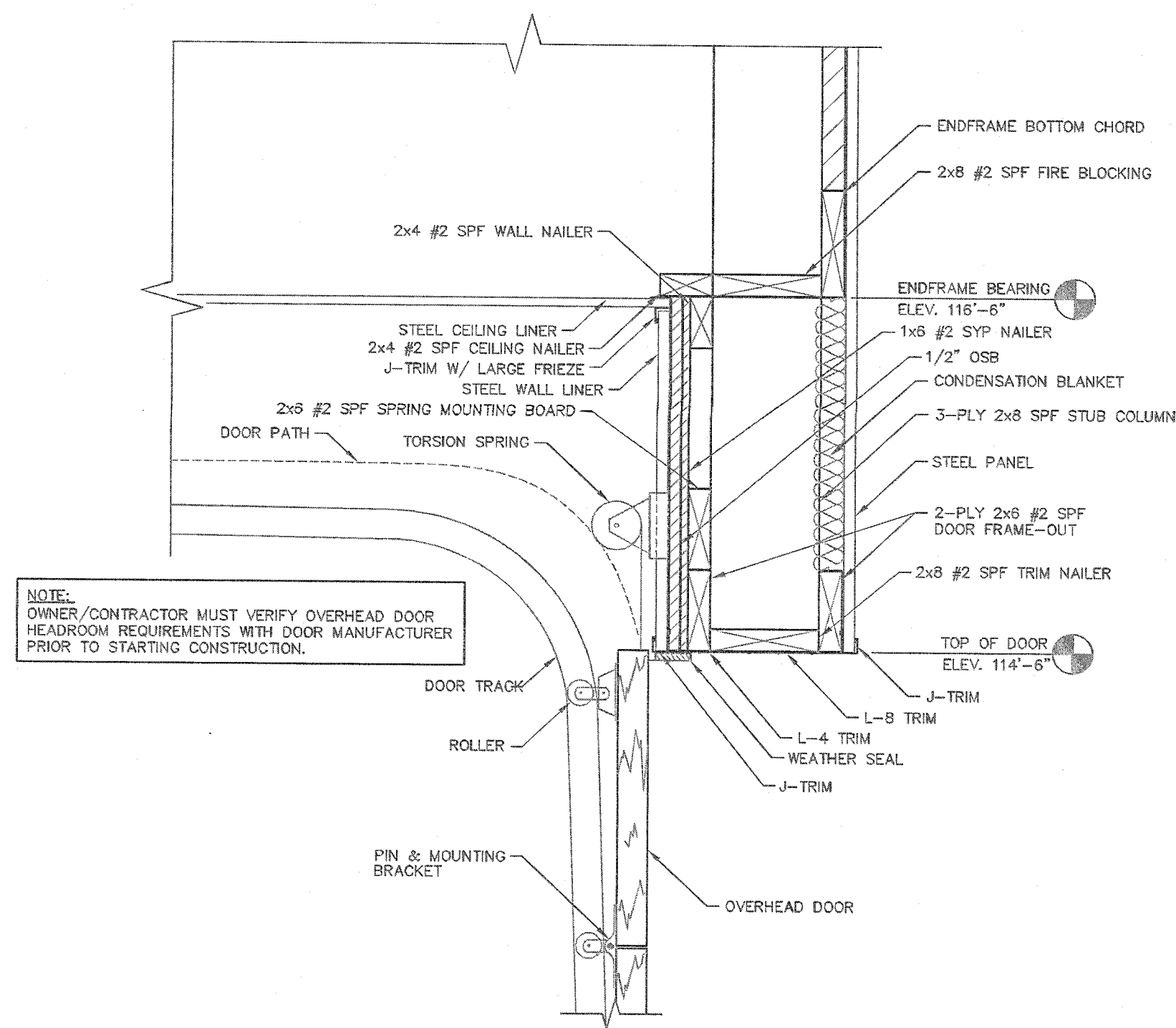
OVERHEAD DOOR JAMB DETAIL
SCALE: 3"=1'-0"

NOTE: DOOR JAMBS TO EXTEND FROM TOP OF FROST WALL TO BOTTOM OF HEADER.



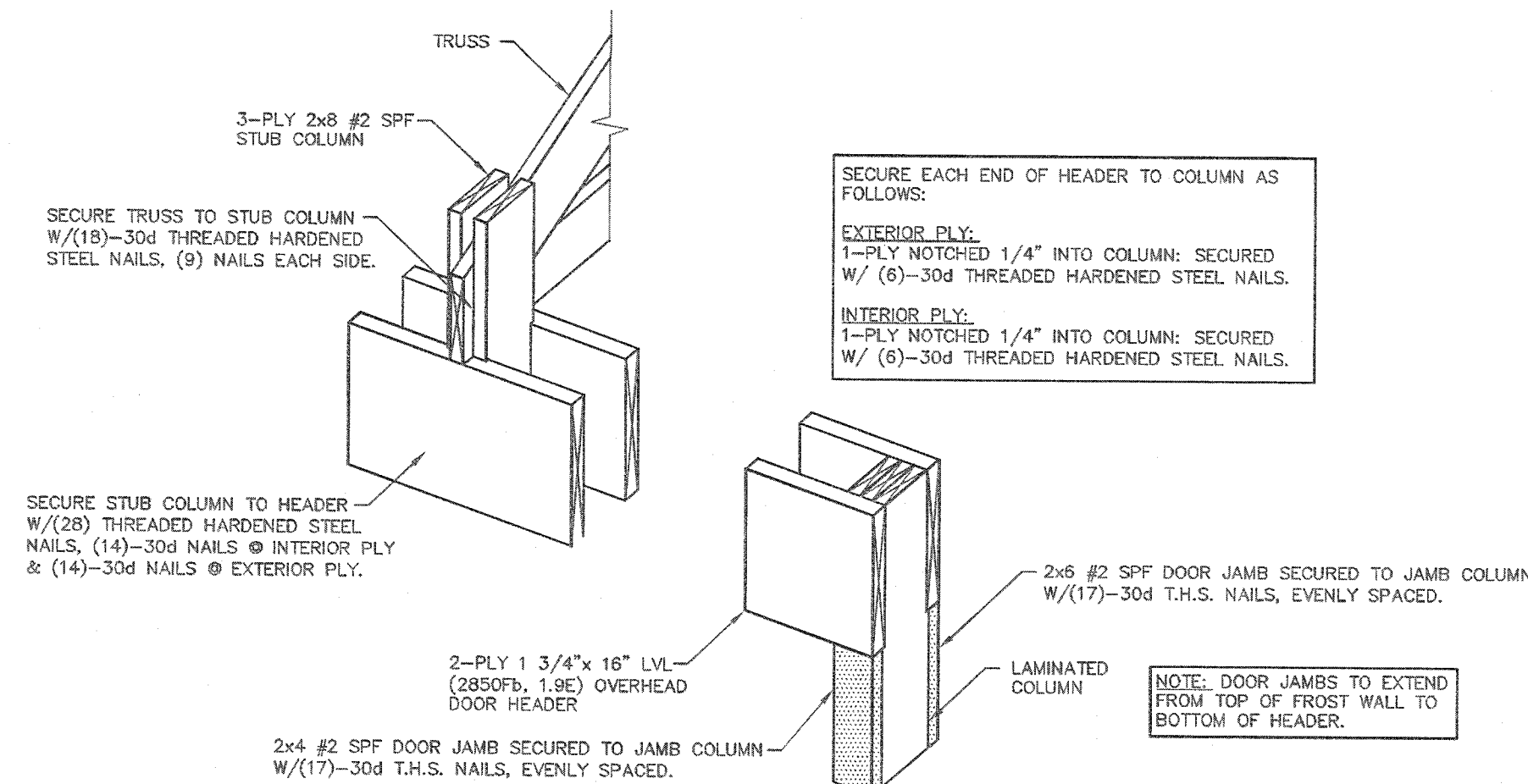
P50 TRUSS REINFORCEMENT DETAIL
SCALE: 1/4"=1'-0"

- 1) ATTACH (2) 3/4" PLYWOOD TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) & (2) STAGGERED ROWS OF 12d COMMON NAILS OR EQUIVALENT, AT 4" O.C. TO EVERY CONTACT MEMBER; STAGGER ROWS ON OPPOSING SIDES, (1) PLYWOOD ON EACH SIDE OF TRUSS.
- 2) ATTACH (1) 2x6 2400f MSR SYP/2.0E SCAB TO TRUSS WITH CONSTRUCTION GRADE WATERPROOF GLUE (PL400 OR BETTER) AND (2) STAGGERED ROWS OF 12d COMMON NAILS, OR EQUIVALENT, AT 4" O.C. ATTACH PLYWOOD FILLER BETWEEN THE CHORD OF THE TRUSS AND SCAB, AS NEEDED. INSTALL PLYWOOD PER STEP 1. INSTALL AFTER PLYWOOD GUSSETS ARE APPLIED.

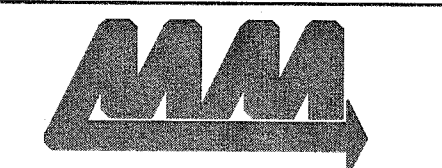


ENDWALL OVERHEAD DOOR FRAME-OUT DETAIL
SCALE: 1 1/2"=1'-0"

NOTE:
OWNER/CONTRACTOR MUST VERIFY OVERHEAD DOOR HEADROOM REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO STARTING CONSTRUCTION.



SIDEWALL OVERHEAD DOOR HEADER INSTALLATION DETAIL
SCALE: NOT TO SCALE



ENGINEERING SERVICES

5001 N. STATE ST. SUITE 200, MANCHESTER, NH 03103 (603) 870-0000

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

PROJECT TITLE:

SHOP II STORAGE BUILDING

MANCHESTER, WI

PROF. ENGINEER: RYAN READER

PLAN DESIGNER: RYAN READER

DRAWN BY: JMS

DATE: 8/2/2019

SCALE: AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

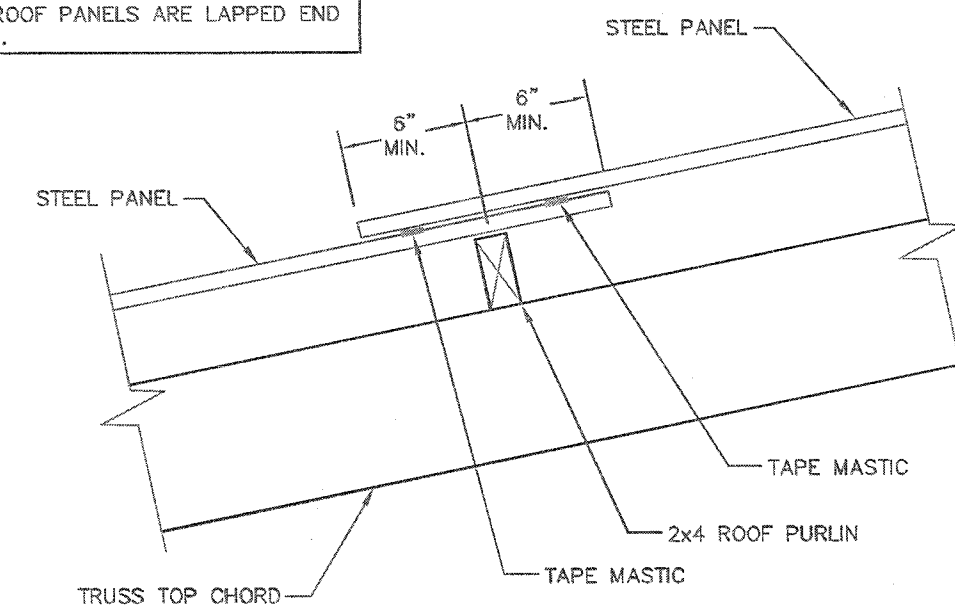
SHEET TITLE:
OVERHEAD DOOR DETAILS

FILE NAME: S16419W

SHEET NO.

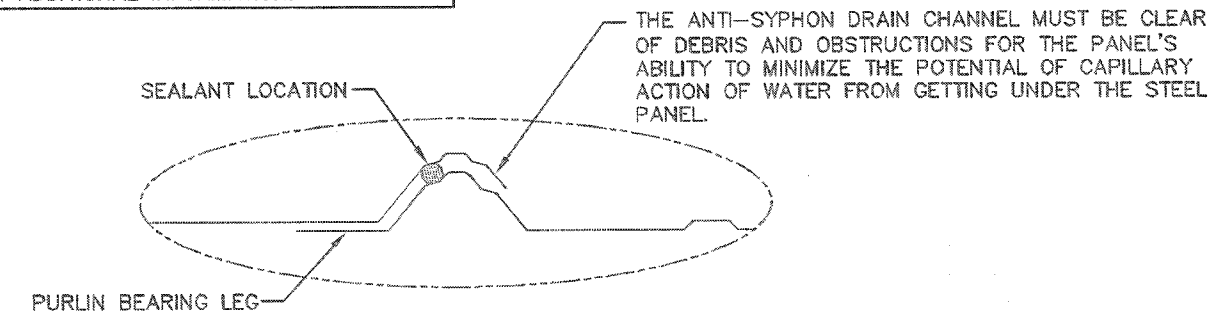
S8

NOTE: TAPE MASTIC IS ONLY REQUIRED WHEN ROOF PANELS ARE LAPPED END TO END.

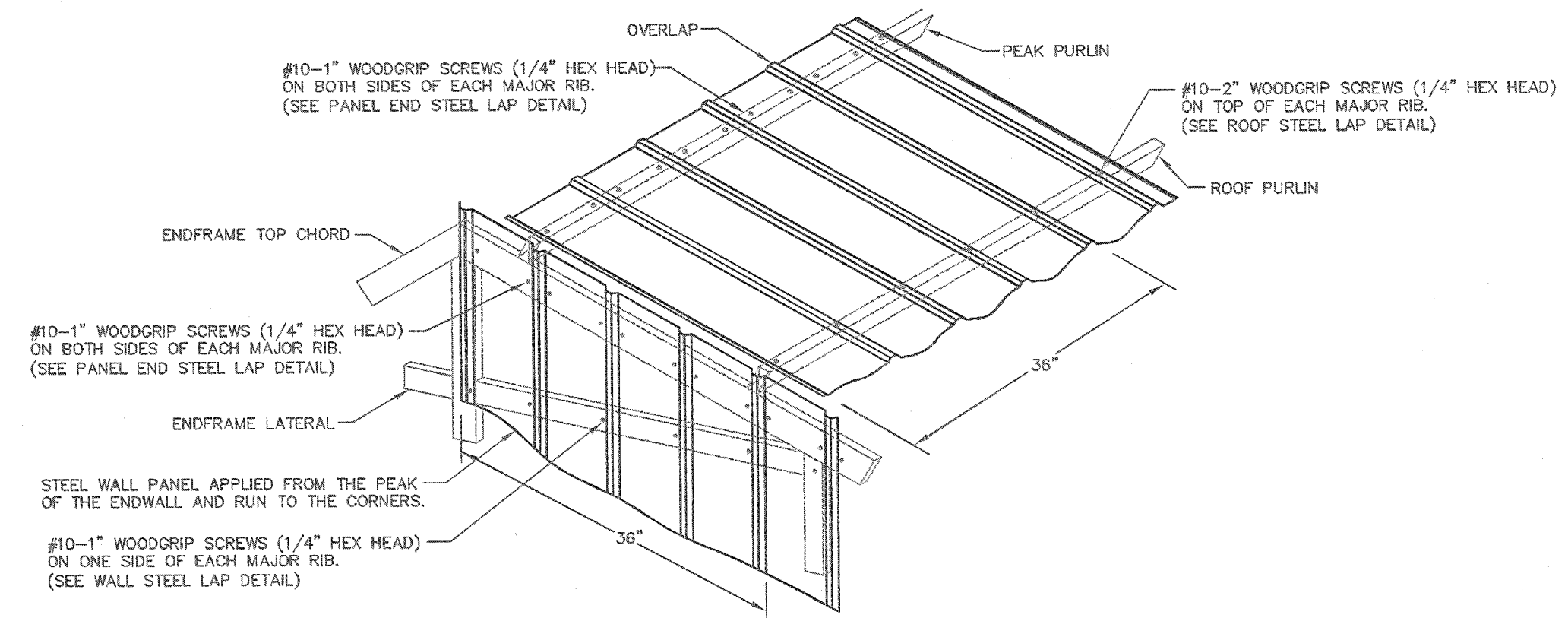


TAPE MASTIC DETAIL
SCALE: 1 1/2" = 1'-0"

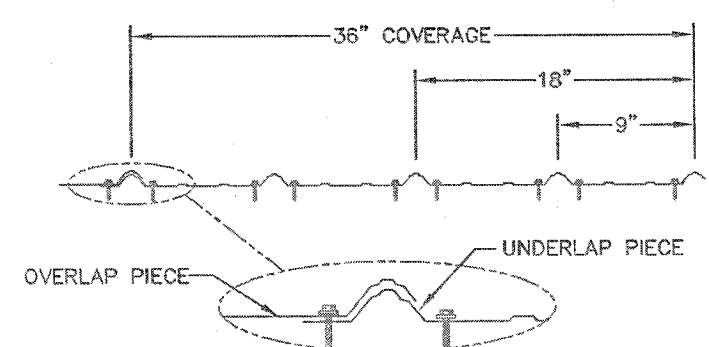
NOTE: BEAD MASTIC IS REQUIRED FOR LOW SLOPED ROOFS ONLY. SEE IBC CHAPTER 15 FOR ADDITIONAL INFORMATION.



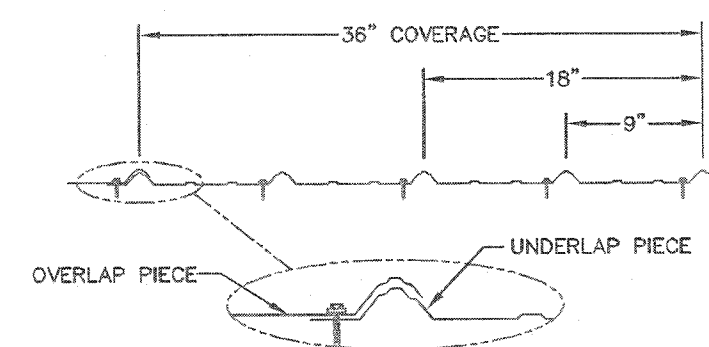
BEAD MASTIC DETAIL
NOT TO SCALE



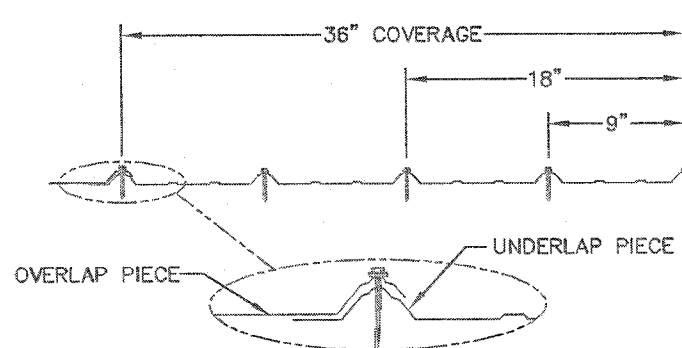
ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



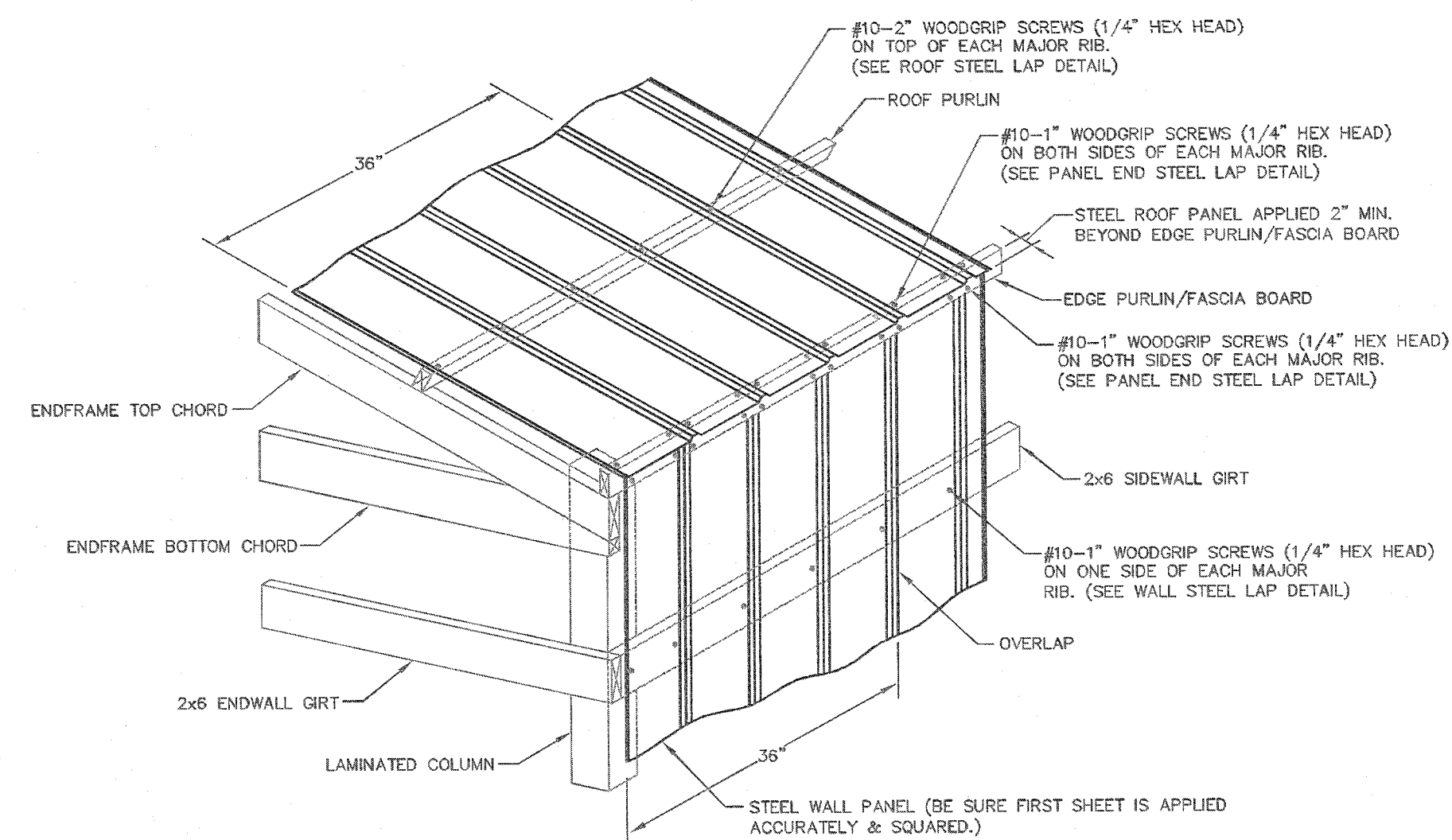
PANEL END STEEL LAP DETAIL
NOT TO SCALE



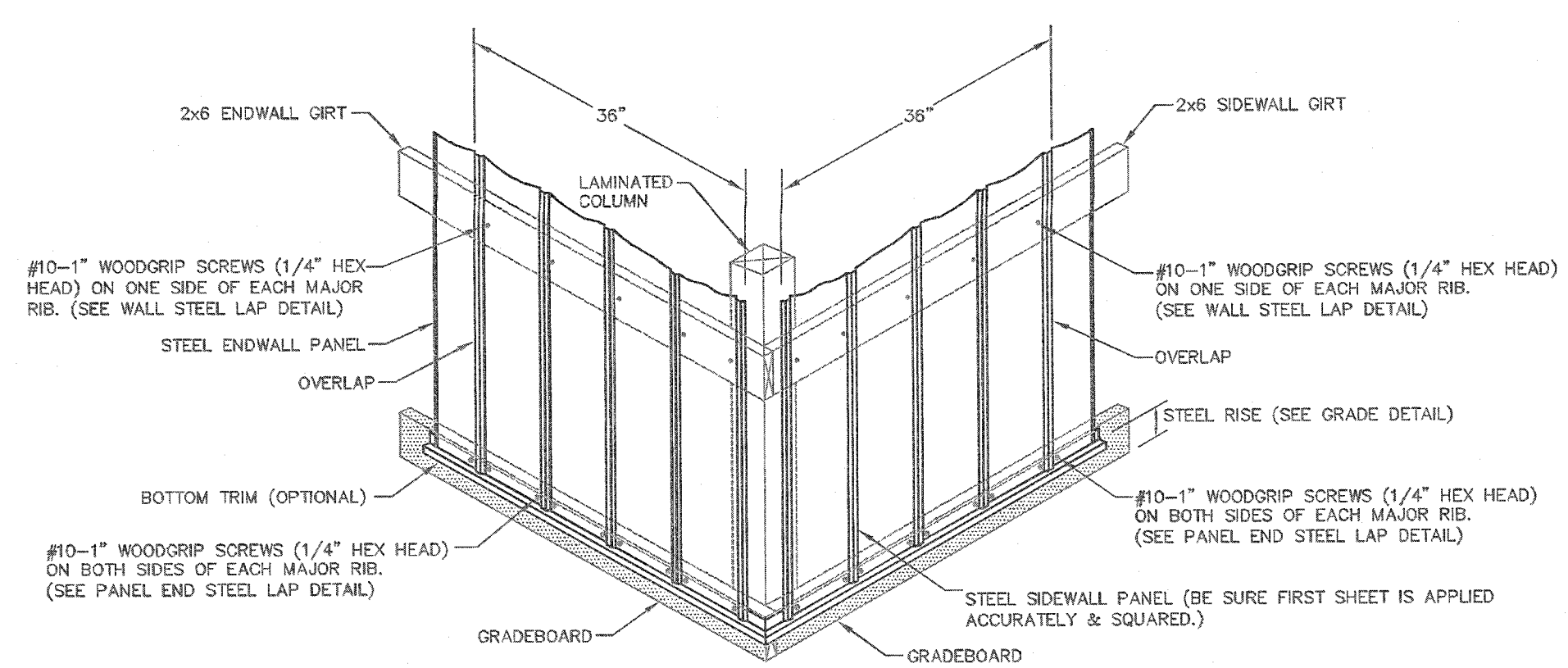
WALL STEEL LAP DETAIL
NOT TO SCALE



ROOF STEEL LAP DETAIL
NOT TO SCALE

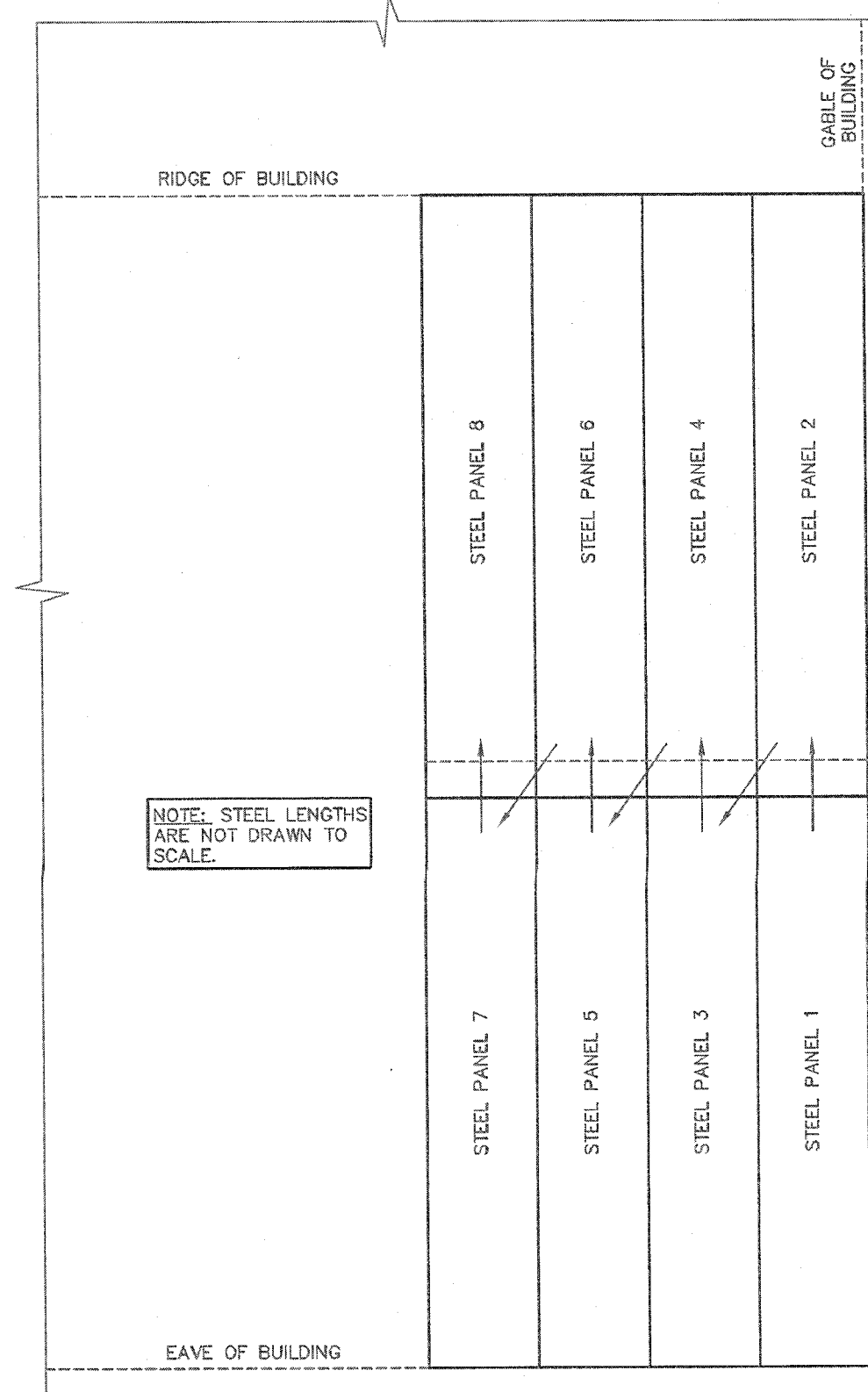


ROOF & SIDEWALL STEEL APPLICATION @ EAVE



WALL STEEL APPLICATION @ GRADEBOARD

STEEL APPLICATION DETAILS



ROOF STEEL APPLICATION SEQUENCE
NOT TO SCALE

NOTE: STEEL LENGTHS ARE NOT DRAWN TO SCALE.

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-TORQUING OF SCREWS WILL REDUCE THE SCREWS WITHDRAWAL CAPACITY, REGARDLESS OF THE CONSTRUCTION MATERIALS INVOLVED. UNDER-TORQUING OF SCREWS WILL INCREASE THE POTENTIAL OF ROOF LEAKS.
- 3) FASTENER LOCATION IS CRITICAL FOR INSTALLERS TO MINIMIZE THE POTENTIAL OF OIL CANNING, DIMPLES, 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.



ENGINEERING SERVICES
STEEL FABRICATION, ROOFING, CLADDING, INSULATION, ETC.
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:
ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:
SHOP II STORAGE BUILDING
MANCHESTER, WI
PROF. ENGINEER: RYAN READER
PLAN DESIGNER: RYAN READER
DRAWN BY: JMS
DATE: 8/2/2019
SCALE: AS NOTED

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
STEEL APPLICATION DETAILS
FILE NAME: S16419WI
SHEET NO.

S9



REQUEST FOR PURCHASE APPROVAL

Item To Be Purchased:

Department:

Account Number:

Governing Committee:

Governing Committee Approval Date:

P&I Approval Date:

Reason for Purchase:



REQUEST FOR PURCHASE APPROVAL

Item To Be Purchased:

Holding Tank for domestic Wastewater - Shop 2 Facility

Department: Highway

Account Number: 19-701-29-53270-245-000

Governing Committee: Highway

Governing Committee Approval Date:

P&I Approval Date:

Reason for Purchase:

The current septic system has failed and needs replaced.

Quotes Received From: Egbert Excavating \$6480.00

Kinas Excavating \$7065.00

Jason Pollesch Not Received

EGBERT EXCAVATING, INC.

Proposal

W1302 North Lawson Drive, P.O. Box 462, Green Lake, Wisconsin 54941

Phone 920-294-6668, Fax 920-294-3055

egbertexc@centurytel.net

Proposal Submitted to	Phone	Date
Green Lake County	920-229-5116	9-26-19
Highway Department	bpence@co.green-lake.wi.us	
Attn: Barry Mashuda	bmashuda@co.green-lake.wi.us	
Street	Job Name	
570 South Street	Shop II - Holding Tank	
City, State and Zip Code	Job Location	
Green Lake, WI 54941	N1906 State Road 73- Manchester	

1. Provide county permit and system design
2. Pump and remove old system
3. Install new 2500 gallon concrete holding tank with warning alarm and locking cover

TOTAL \$6,480.00

NOTE: Tank and piping to be backfill with clean gravel

We Propose hereby to furnish material and labor complete in accordance with above specifications, for the sum of: **Six Thousand Four Hundred Eighty Dollars and 0/100-----(\$6,480.00).**

Please provide us with verification of method of payment. If payment in full is not received within fifteen (15) days from the date of completed work, EGBERT EXCAVATING, INC. intends to file a claim for lien on your property.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon witness orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature: Daniel L. Egbert
DANIEL L. EGBERT

Note: This proposal may be withdrawn by us if not accepted within ___ days.

ACCEPTANCE OF PROPOSAL- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are do the work as specified. Payment will be made as outlined above.
of Acceptance: _____
of Acceptance: _____

Signature: _____ authorized to

Signature: _____ Date

Kinas Excavating, Inc.

Basements • Driveways • Septic systems - all types • Mound Systems
 Site Preparation • Land Clearing • Demolition • Topsoil • Trucking • Hazardous Waste Removal
 Soil and Site Evaluation • Sewer & Water - mains, laterals, repairs • Small Ponds • Rip-rapping • Ditch Cleaning
N6205 Lawson Drive, Green Lake WI 54941
Green Lake (920) 294-3879 • Markesan (920) 398-3431 • Fax (920) 294-3455

<small>COMPANY</small> Green Lake County Highway Dept.	<small>CELL:</small> 920-229-5116	<small>DATE</small> 9/26/19
<small>PROPOSAL SUBMITTED TO</small> Attn: Barry Mashuda	<small>PHONE</small> 920-294-4060	<small>FAX</small>
<small>STREET</small> 570 South St.	<small>JOB LOCATION</small> Shop #2 Markesan	
<small>CITY, STATE, AND ZIP CODE</small> Green Lake, WI 54941	<small>JOB NAME</small>	

We hereby submit specifications and estimates for:

Proposal for installation of a Holding Tank to include:

- A. Dig out and remove old septic tank. (Pumping to be done by owner)
 - B. Install (1) 2500 gallon precast concrete holding tank with 6" pump out port and plastic resin riser. (This will make a leak proof sealed tank)
 - C. Reconnect to existing 4" line from building.
 - D. Install high water warning device. (We will need a 110 volt power supply brought to outer wall of shop building.)
 - E. Backfill tank and relevel to rough finish grade.
- (A-E) \$6,360.00
- F. Plot & Layout and System Design (\$250.00), County Permit (\$455.00) ARE NOT included in this proposal and will be billed separately.
- Grand Total \$7,065.00

Option: Install Zypex additive to concrete mix add \$1,500.00 to proposal. (This will give tank a 20 year warranty) I would highly recommend doing this.

Note: Holding Tank for floor drains on rear of shop would be an additional \$600.00. (Green Lake County permit would not be required but a DNR permit would.)

Note: Any private utilities not marked by digger's hotline will be the home owner's responsibility.

Note: It is owners' responsibility to make sure all lot lines are clearly marked and accurate.

***Note: Kinas Excavating, Inc. will not be responsible for settling that may occur.**

Please, call if you have any questions regarding this proposal or any extra work that is not spelled out in this Proposal.

Please, call if you have any questions regarding this proposal or any extra work that is not spelled out in this Proposal. If this proposal is acceptable please sign, date and return so we may schedule. Thanks.

We Propose hereby to furnish material and labor - complete in accordance with the above specifications, for the sum of:

Please See Above.

Payment to be made as follows:

Please provide us with verification of method of payment. If payment in full is not received within thirty (30) days from the date of completed work, Kinas Excavating, Inc. intends to file a claim for lien on your property. You are hereby notified that persons or companies furnishing labor or materials for the construction on your property located at: Shop #2 Markesan may have lien rights on your land and buildings if they are not paid. Those entitled to lien rights, in addition to the undersigned prime contractor, are those who contract directly with you or those who give you identification notice within sixty (60) days after they first furnish labor or materials for the construction. You probably will receive notices from those who furnish labor and materials for the construction. You should give a copy of each notice you receive to your mortgage lender, if any. The undersigned prime contractor agrees to cooperate with you and your lender, if any, to see that all potential lien claimants are duly paid. A finance charge of 1.5% (18% per annum) will be charged on the unpaid balance after 30 days.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be in addition to proposal amount. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized

Signature Bill Kinas /Bill Kinas

Note: This proposal may be

withdrawn by us if not accepted within 30 Days

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

RESOLUTION NUMBER -2019

**Modify Health Insurance Plan Design and
Update Personnel Policies and Procedures Manual**

The County Board of Supervisors of Green Lake County, Green Lake, Wisconsin, duly assembled at its regular meeting begun on the 15th day of October 2019, does resolve as follows:

- 1 **WHEREAS**, Green Lake County has requested inclusion through underwriting into the
- 2 Group Health Insurance Program offered by the Group Insurance Board and monitored
- 3 by the Department of Employee Trust Funds (ETF) (hereinafter ETF Group Health
- 4 Insurance Program) at an overall premium cost decrease of 14.3% with an estimated
- 5 annual fiscal savings of \$412,000; and
- 6 **WHEREAS**, the review of the County’s claims experience has been completed by Segal
- 7 Consulting and the risk of our group is much higher than the average of the State
- 8 program; therefore, Green Lake County will incur a *first* year annual surcharge in the
- 9 fourth category equating to \$280 per single plan and \$700 per family plan with an
- 10 estimated fiscal impact to the County of \$1,125,600; and
- 11 Majority vote is needed to pass.

Approved by Personnel Disapproved by Personnel

Roll Call on Resolution No. -2019

Submitted by Property & Insurance
Committee:

Ayes , Nays , Absent , Abstain

Passed and Adopted/Rejected this 15th
day of October, 2019.

Vicki Bernhagen, Chair

Patti Garro

County Board Chairman

Keith Hess

ATTEST: County Clerk
Approve as to Form:

David Abendroth

Corporation Counsel

Richard Trochinski

12 **WHEREAS**, given that the risk of our group is much higher than the average of the
13 State program Green Lake County will incur a 50% *second* year annual surcharge in the
14 fourth category equating to \$140 per single plan and \$350 per family plan with an
15 estimated fiscal impact to the County of \$562,800; and

16 **WHEREAS**, once the year one and year two annual surcharges have been paid for
17 inclusion into the ETF Group Health Insurance Program no further surcharges will be
18 incurred; and

19 **WHEREAS**, The County's current health insurance carrier WCA Group Health Trust has
20 proposed a one (1) year contract with a 15% increase to our current Tier 1 premium rate
21 retaining the current deductible amounts of \$2,000 Single/\$4,000 Family with no change
22 to the employee premium contribution of 12%; and

23 **WHEREAS**, the WCA Group Health Trust has also proposed a one (1) year contract
24 with a 15% increase to our current Tier 2 high deductible plan retaining the current
25 deductible amounts of \$3,000 Single/\$6,000 Family with all costs going first to the
26 deductible with no change to the employee premium contribution of 8% at a total
27 estimated annual increased fiscal impact to the County for both Tier 1 and Tier 2 plans
28 of \$433,428; and

29 **WHEREAS**, WEA Trust has also submitted a proposal, essentially mirroring our current
30 GHT plan design, for a two (2) year contract with a 5.8% premium increase in the first
31 year of the contract and an experience modified rate for the second year with a
32 premium increase of 5.5% min – 8.0% mid – 11.0% max at a total 2-year estimated
33 increased fiscal impact to the County of \$671,500; and

34 **WHEREAS** historically, over the past five (5) years the regional ETF Group Health
35 Insurance Program premium insurance rates have increased on average 1.49% while
36 GHT premiums have increased on average 8%; and

37 **WHEREAS** given ETF Group Health Insurance Program historical data and projected
38 budgetary premium trends, by fiscal year 2022 the County will save an estimated
39 \$1,366,500 in comparison to GHT and an estimated \$694,300 in comparison to WEA, if
40 the County enrolls in ETF Group Health Insurance Program; and

41 **WHEREAS** given historical data and projected budgetary premium trends, by fiscal year
42 2023 the County will save an estimated \$2,766,000 in comparison to GHT and an
43 estimated \$1,866,000 in comparison to WEA, if the County enrolls in ETF Group Health
44 Insurance Program ; and

45 **WHEREAS** given this historical data analysis and projected budgetary premium trends,
46 by fiscal year 2023 the County will have saved an amount in excess of that needed to
47 cover the initial ETF Group Health Insurance surcharge costs and expects to continue
48 to benefit from ongoing compounded premium savings.

49 **NOW THEREFORE BE IT RESOLVED** that the Green Lake County Board of
50 Supervisors does approve enrolling in the Group Health Insurance Program offered by
51 the Group Insurance Board and monitored by the Department of Employee Trust Funds
52 (ETF) with the PO12 Plan Design which, in brief general summary, includes

- 53 • No Annual Medical Deductible or Copay with the exceptions of Emergency Room
54 (\$60),
- 55 • Durable Medical Equipment (20% up to \$500 per person) and Hearing Aids for
56 Adults (20% until plan pays \$1,000, then 100% of costs),
- 57 • Prescription Copay Level 1 (\$5 or less), Level 2 (20% w/ \$50 max), Level 3 (40%
58 w/\$150 max, Level 4 (\$50), Preventive (\$0 as federally required).

59 **BE IT FURTHER RESOLVED** that the County will pay 88% of the lowest cost plan
60 option with the employee paying any additional premium amount due based on their
61 personal plan choice; and

62 **BE IT FURTHER RESOLVED** that the County will provide eligible employees the option
63 to contribute pre-tax funds to an established HSA account. And, effective Fiscal Year
64 2020 the County will waive the established “sunset” date of December 31, 2021 for
65 active employees only for the use of existing HRA fund balances by allowing qualifying
66 employees to retain the existing HRA fund balance for utilization toward a qualifying
67 health care plan or allow their balance to revert back to the County to be used to offset
68 their personal health insurance premium cost contribution until such time as their HRA
69 fund balance is fully depleted; and

70 **BE IT FURTHER RESOLVED** that Health Insurance and Appendix sections of the
71 Personnel Policies and Procedures Manual be modified to reflect the changes adopted
72 herein.

73 **FISCAL NOTE:** is attached

74 Financial Projection Assumptions:

ETF State Health Plan projected annual premium rate increases	4% per year
GHT projected annual premium rate increases	15% / 8% / 8% / 8%
WEA projected annual premium rate increases	5.8% / 11.0% / 8% / 8%

***current and projected experience mod info leads to the assumption that second year of WEA proposal would be at highest amount proposed @ 11%

GHT 2019 Budget County Cost	\$ 2,889,518.00
GHT 2020 Proposed Costs @ 15% increase	\$ 3,322,945.70
GHT 2021 Estimated Costs @ 8% increase	\$ 3,588,781.36
GHT 2022 Estimated Costs @ 8% increase	\$ 3,875,883.86
GHT 2023 Estimated Costs @ 8% increase	\$ 4,185,954.57
2020 - 2023 GHT County Costs	\$ 14,973,565.49
2020 - 2022 State County Costs	\$ 9,421,072.78
*25 Single Plan	
*124 Family Plan	
* est. 4% annual premium increase	\$ (1,366,538.14)
2020 - 2023 State County Costs	\$ 12,207,536.18
*25 Single Plan	
*124 Family Plan	
* est. 4% annual premium increase	\$ (2,766,029.31)

GHT 2019 Budget County Cost	\$ 2,889,518.00
WEA 2020 Proposed Costs @ 5.8% increase	\$ 3,057,110.04
WEA 2021 Proposed Costs @ 11% increase	\$ 3,393,392.15
*** WEA 2022 Estimated Costs @ 8% increase	\$ 3,664,863.52
*** WEA 2023 Estimated Costs @ 8% increase	\$ 3,958,052.60
*** 2020 -2022 WEA Projected County Costs	\$ 10,115,365.71
*** 2020 -2023 WEA Projected County Costs	\$ 14,073,418.32
2020 - 2021 State County Costs	\$ 6,741,784.09
2020 - 2022 State County Costs	\$ 9,421,072.78
2020 - 2023 State County Costs	\$ 12,207,536.18
* est. 4% annual premium increase	
Difference w/State thru 2021 w/ 11% increase	\$ (291,281.90)
*** Difference w/State thru 2022 w/ 8% increase Yr 3	\$ (694,292.93)
*** Difference w/State thru 2023 w/ 8% increase Yr 3	\$ (1,865,882.14)

** Red numbers signify savings

October 01, 2019
Property & Insurance Committee
Monthly Report
Green Lake County Maintenance Department

571 County Road A

Request to repair toilet flush in pre-book stated they reset and was not working/found valve turned off/turned on – Corrections

Tightened loosened shower hooks Unit L – Corrections

Replaced flush diaphragm Unit C cell 9/10 - Corrections

Report of faucet left of dishwasher is leaking/checked found handle not turned off – Corrections

Unplugged 1st. sink Unit A – Corrections

Converted light fixture in cell E 5 to LED – Corrections

Repaired damaged edging on visitation housing (cabinet) Unit E - Corrections

Welded broken leg on service table – Corrections

Replaced 2 T-5 lamps in fixture walk in cooler – kitchen – Corrections

Report that pre toilet would not flush/checked push button dirty/debris cleaned - Corrections

Unplugged shower drain Unit L - Corrections

Repaired damaged chain attachment bolt north sally port door closure - Corrections

Tightened down loosened stool Unit K left side of table closet to the door – Corrections

Request to clean out chemical rinse dispenser for dishwasher/incorrect chemicals put into dispenser/kitchen - Corrections

Repaired (tig welded) hairline crack on ss transfer portion of pre wash sink area to dishwasher -kitchen – Corrections

Replaced ballast in fixture unit C top of stairway – Corrections

Replaced ballast and lamps in fixture Unit L above toilets – Corrections

Converted fixture to LED under mezzanine near shower door Unit C – Corrections

Unplugged sink Unit E cell E 1 – Corrections

Replaced flush handle on toilet in master control lower restroom - Corrections

Request to repair dish washer jail kitchen/ running wash and rinse cycle at same time/control switch/ under warranty/vendor to replace/install - Corrections

Replaced lift cylinder on desk chair – SO

Replaced damaged T-Handle for wash station SO Garage - SO

Repaired arm on office chair room #1213 - SO

Replaced expired lighting power pak Committee Room LL Phase 2

Replaced 2 lamps in fixture lobby area – CA

Installed bulletin board - CA

Replaced power pak for office lighting – UWEX

Replaced batteries clock – TRES

Repaired broken arm on office chair – HHS

Disposed of office chair per request kept usable parts – HHS

Report of lock sticking DA Storage LL – Adjusted door - DA

Installed water bottle filler per request Phase 2/ 1st. floor

Installed water bottle filler per request Phase 2/ 2nd floor
Replaced lamp in fixture 2nd floor women's restroom –Phase 2
Elevator #5 hydraulic ram packing/seal replaced – Phase 2 - Otis
Facilities fire suppression systems yearly maintenance and inspection performed 09/12/19 –
Preztborn/GLCM
Facilities portable fire extinguisher inspected/certified – 09/17/19
General Maintenance performed
Scheduled Maintenance performed

Lake Steel Street

Facilities portable fire extinguishers inspected/certified – 09/17/19
Request for addition lighting installed in IDF room - IT
Replaced ballast and 2 lamps exit area/security lighting – Food Pantry
Alio time clock and computer installed Maintenance Shop/Garage – Thank you! IT Department
General Maintenance performed
Scheduled Maintenance performed

Towers

Replaced expired membrane front h-pnl key pad on generator – Princeton
Replaced expired membrane front h-pnl key pad on generator - Kingston
Replaced back up power timer control panel batteries (9V) all towers
General Maintenance performed
Scheduled Maintenance performed

Highway Department

Installed Alio time clock per request 09/09/19- Shop 2

Submitted by:



Scott A. Weir
Maintenance/Parks & Recreation Director
Green Lake County