



CITY OF ANTIGO

PARKS, CEMETERY AND RECREATION COMMISSION

MEETING

MULTI-PURPOSE ROOM

Monday, October 10, 2022

CITY HALL, 700 EDISON STREET

5:30 PM

Call to Order

Discussion and Action May Occur on Any of the Following Agenda Items:

1. Approval of the Minutes from the August 8, 2022 Meeting (There was not a Quorum for the September 12, 2022 Meeting)
2. Waiver of the Reservation Fee for AVAIL Fundraiser Event at the Peaceful Valley Warming House
3. Waive Reservation Fee for the Annual Optimist Volunteer Appreciation Picnic on August 17, 2022
4. Antigo Community Food Pantry Shelter Reservation Fee Waiver Request
5. Approving Fireworks Country and Funding for 2023 Fourth of July Celebration in the Amount of \$13,000
6. Approval to Adjust Campground Rate as of Jan 1, 2023
7. Increase Registration Fees for Programming
8. Approval to Increase Shelter Reservation Fees
9. Approval to Purchase Ball Field Materials to Change the Area along the Fences to Add Warning Track or Top Dress Material at a Cost not to Exceed \$2,500
10. Approval to Purchase Brush Cutter from Swiderski at a cost of \$13,575
11. Approve Outright Purchase of Peaceful Valley Festival Grounds Canopy Material as No Bids Were Received Despite Advertising Twice

Any Other Matters Authorized by Law to be Considered

Adjournment

Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact Cheryl Barta, 700 Edison Street, Antigo, Wisconsin 54409. (715) 623-3633 extension 100. Members of and possibly a quorum of members of other governmental bodies may be in attendance to gather information. Any governmental body other than that specifically referred to above will take no action.

DATE MAILED: October 05, 2022

TIM KASSIS



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Waiver of the Reservation Fee for AVAIL Fundraiser Event at the Peaceful Valley Warming House

Request to waive the reservation fee for the AVAIL Fundraiser Event at Peaceful Valley Warming House.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Waive Reservation Fee for the Annual Optimist Volunteer Appreciation Picnic on August 17, 2022

Request to waive the reservation fee for the annual Optimist Appreciation Picnic on August 17, 2022. This will be added to the annual waiver requests in the future.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Antigo Community Food Pantry Shelter Reservation Fee Waiver Request

See attached.



RESERVED

Park Shelter: ☐ Hudson Street ☐ Lake Park Shelter ☐ Lake Park Concession ☐ Saratoga ☐ City Park West ☐ City Park East
☐ Peaceful Valley Warming House ☐ Peaceful Valley Festival Grounds ☒ Heinzen Peaceful Valley Pavilion ☐ Little League Concession

Day and Date of Rental (Day, 00/00/0000): Wednesday, October 5

*** Point of Contact or Responsible Adult:** Kari Lazars
Must be present at the event and on the premises for the reservation date

Event Start Time: 2:00 pm **Event End Time:** 5:00 pm

Name/Type of Event: ACFP Volunteer Appreciation **Number of Participants:** 30

PLEASE NOTE: There will be a **minimum fee of \$100.00 for non-emergency calls** to dispatch. Please be sure you have reviewed our park shelter information before your reservation date, and contact the caretaker at the number listed below for any issues that are non-emergency.

Special Activities or Needs (please note we cannot guarantee additional picnic tables or their placement within the park):

tables, chairs, garbages

If any of the following apply you are responsible for taking the appropriate action.

Selling or Serving Beer: Yes ☒ No

Obtain a special temporary Class B license, at the City Clerk's Office, if you would like to sell or serve fermented malt beverages at a public event.

Tent with Stakes: Yes ☒ No

Ensure Diggers Hotline has been contacted prior to staking. Private lines within the park will have to be located by an electrician. You are responsible for any damage to underground utilities.

Amplification: Yes ☒ No

Excessive volume may be disruptive to nearby neighbors; please limit volume to a reasonable level. Amplification and/or speaker system equipment is not provided by the Park, Recreation and Cemetery Department.

Outside Vendors (i.e. Bouncy Houses, Food...etc): Yes ☒ No

Please consult city staff for guidelines if you are hiring outside vendors.

Inviting the Public: Yes ☒ No

You are required to complete and file an event permit. A certificate of insurance must be on file prior to your event, with the City of Antigo listed as an additional insured, and \$1,000,000.00 general liability. If you wish to have the City of Antigo waive the insurance requirement you must complete a waiver request form, meet all necessary requirements, and submit the request to Antigo Common Council.

Shelter Rental Fee:	\$40.00 Resident / \$60.00 Non-Resident
Warming House/Lake Park Concession Rental Fee:	\$50.00 Resident / \$75.00 Non-Resident
Ball Field Rental Fee:	\$6.00 Resident / Non-Resident
Lake Park Ball Field Rental Fee:	\$7.00 Resident / Non-Resident
Peaceful Valley Festival Grounds :	\$75.00 Resident / \$100.00 Non-Resident
Heinzen Peaceful Valley Pavilion:	\$75.00 Resident / \$100.00 Non-Resident

CONTACT INFORMATION

Address: 2120 Progress Blvd

City: Antigo State: WI Zip: 54409

Home Phone Number: 715-216-2275 Cell Phone Number: 715-216-2275

E-mail Address: karilazers@gmail.com

REFUND POLICY:

You may cancel your reservation 2 weeks prior to the reservation date. There will be a 25% administrative processing fee applied to qualifying reservations.
You may move your reservation date to a different day within the same calendar year with no penalty.

Whereas, the City of Antigo desires to be absolved from all responsibility for and all risk of damage or injury that may be sustained by anyone using said facilities;
Now, Therefore, in consideration of the use of said facilities, the undersigned hereby releases the City of Antigo, its agents and employees, provide defense in an event of a claim and agrees to hold them harmless from any and all claims, demands, causes of action, present or future, whether known, anticipated or unanticipated, and resulting from and arising out of or incidental to the use of said facilities by the undersigned or its invitees in connection with its utilization of said facilities in any manner whatsoever.

We have read and understand the foregoing Release and Hold Harmless Agreement. We have read and understand the park policies and regulations. We accept the responsibility to maintain the facility in its proper condition and are responsible to reimburse the City of Antigo for damages done to the facility.

PLEASE NOTE:

There will be a minimum fee of \$100.00 for non-emergency calls to dispatch. Please be sure you have reviewed our park shelter information before your reservation date, and contact the caretaker at the number listed for any issues that are non-emergency.

Signature: Kari Lazers Date: 8-30-2022

Applicant must be 18 years of age or older

City of Antigo Concession Stand Agreement

Only complete if you are reserving Lake Park Concession or Peaceful Valley Warming House

Stipulations and agreements of this contract are as follows.

Please initial in each blank and comply with the following when utilizing our concession stands:

- ☐ a. Concession building, score booth and immediate surrounding area is clean and free of waste, garbage, debris, boxes, etc. at all times.
- ☐ b. If repairs are required you will be responsible for the total cost of repairs.
- ☐ c. The concession stand building will be emptied of merchandise immediately following the scheduled event.
- ☐ d. The City of Antigo is not responsible for the loss or destruction of personal items in the concession building.
- ☐ e. The building will be available to the requesting organization the day of the event.

Key or Lock Code Distribution Policies for Short Term Sign-Out (please initial next to each blank):

- ☐ 1. All keys must be checked-out at the Park, Cemetery and Recreation office during normal business hours.
- ☐ 2. No key or lock code will be issued to anyone under the age of 18.
- ☐ 3. If a key is lost or stolen or a lock code compromised, the responsible individual must notify the Park, Recreation and Cemetery office as soon as possible and no later than 3 business days.
- ☐ 4. If the lock needs to be rekeyed, the responsible individual is assessed the costs of rekeying the lock and all associated costs.
- ☐ 5. Qualifying lock codes or keys, for use of a facility, will be available the day prior to an event Monday through Saturday. If there is a Sunday event the key or lock code will be available Friday. However, you may not access the facility until the day of your reservation.
- ☐ 6. All keys must be returned the day after the event, or the Monday following a weekend event. Other return requests will be at the discretion of the Park, Cemetery and Recreation Supervisor and/or designee.
- ☐ 7. Only the City of Antigo is authorized to duplicate keys.
- ☐ 8.

Please sign and return completed form with payment to:

City Hall • Park and Recreation Department
700 Edison Street • Antigo, WI 54409 • 715.623.3633 extension-154/131
www.antigo-city.org • Fax: 715.627.7099

Administrative Use Only

Facility Name: _____ Key # _____ Date Key Checked-Out: ____/____/____

Facility Name: _____ Key # _____ Date Key Checked-Out: ____/____/____

Waiver Request Application Form

Event, Parade, Insurance, Shelter or Street Use

Recurring Annual Events

Any group holding a recurring annual event is required to have their waiver requests submitted 60 days in advance of the event.

Please Note: Submission requests not meeting the above requirement will not be considered for waiver of fees or insurance.

New Events

Any groups requesting waivers, for first time events should request waivers 2 months in advance of the requested date to ensure review by the appropriate committees.

1. Name of group/organization/individual) requesting wavier(s):

Antigo Community Food Pantry

2. The following waivers are being requested and submitted for consideration (Please check all that apply):

- ☒ **Shelter / Concession Reservation Fee** (\$40.00 / \$50.00 Resident or \$60.00 / \$75.00 Non-Resident) – Please include completed Shelter Reservation Form with Waiver Application if you plan on reserving a City Shelter, Pavilion, or Park.
- ☐ **Special Event/Parade Fee** (\$25.00) – Please include completed permit with Waiver Application if you plan on hosting an event on City Property or you plan on inviting the public to your event.
- ☐ **Street Use** (\$25.00) – Please include completed permit with Waiver Application if you plan on closing or restricting access to any streets.
- ☒ **Insurance** – If you are not requesting an insurance waiver please include insurance with application
- o Insurance documentation must be on file with the City of Antigo prior to the event date
 - o The City of Antigo must be listed as additional insured
 - o \$1,000,000 general liability coverage is required
 - o The above insurance information may be found within Article XI. Special Event/Parade Ordinance Sec. 18-433. Insurance Required.

**Please note an approved waiver for insurance by the City of Antigo does not cover your event/group/organization or individuals under the City of Antigo's insurance policy.*

3. Name of Event: Volunteer Appreciation for food pantry volunteers

4. Description of Event (please attach an additional sheet if necessary):

The food pantry board is hosting a volunteer appreciation gathering. We will be having light refreshments for about 30 people on Oct. 5, 2-5pm.

5. How event is benefitting the community (are funds being reinvested into the community...etc):

The food pantry provides a critical service to our community... by appreciating our volunteers... we hope to keep the pantry running.

6. City of Antigo services requested to assist with the event or preparation for the event (additional trash receptacles, barricades, picnic tables...etc; please note these services cannot be guaranteed) :

Will need tables, chairs & garbages.

Signature of applicant (I agree the above information is accurate and correct to the best of my knowledge):

Kari Langer

Date: 8-30-2022

For Office Use Only:

FPL: Submitted _____ PCR Submitted: _____ Council Submitted: _____
FPL: Approved _____ PCR Approved: _____ Council Approved: _____



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approving Fireworks Country and Funding for 2023 Fourth of July Celebration in the Amount of \$13,000

The City of Antigo is committed to having a Fourth of July fireworks celebration, and earmarks 20% of the Hotel/Motel tax for economic development, which is a good use of these funds.

Fireworks Country from Wittenberg is able to provide a show on the Fourth of July and meet the necessary insurance requirements, and also created a dynamic and well received display in 2022 as well as accommodating a reschedule date.

I am requesting that the City of Antigo shall utilize \$9,500 from the Economic Development portion of Hotel/Motel tax funds and \$3,500 from the general operating celebrations fund for a total contract of \$13,000 with Fireworks Country to conduct the fireworks show for 2023.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approval to Adjust Campground Rate as of Jan 1, 2023

Our current campground rates are the following:

\$20 for full hook-up

\$10 for overflow and tent sites

We are recommending raising the rates to the following as of January 1, 2023:

\$25 for full hook-up

\$15 for small camper/tent sites (14,15,16,17) and overflow

\$10 for tent sites and Saratoga Overflow Campground

Approval to raise the campground rates to those listed above as of January 1, 2023.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Increase Registration Fees for Programming

Our registration fees for youth programming have remained at \$13.00 for a resident and \$26.00 for a non-resident for over 15 years.

Due to the increasing costs of expenses I am recommending increasing the resident fee to \$20.00 for baseball, soccer, and flag football, which I am estimating will increase revenues by approximately \$2,000.

The increase is inline with other local organization registration fees running similar programs.

I am not recommending an increase to the non-resident fee, because our shirts and hats are an additional extra cost to the registration fee, and it is important we don't make our programming cost prohibitive; families are often registering more than one child for multiple activities throughout our spring/summer/fall season.

In review of annual pickleball expenses I am requesting a fall/winter/spring season rate of \$90 resident fee and \$144 non-resident fee to off-set the costs associated with any equipment purchases and facility rental space, which would go into effect for the 2023/2024 winter season; the fall/winter/spring season is 9 months of the year if a minimum of 35 participants register for the program. If we do not receive 35 minimum registrations to off-set the facility use fees for 9 months of indoor play, monthly indoor availability would be month-to-month based on the amount of revenues collected; this would go into effect immediately.

I am requesting the summer season rate of \$30.00 resident fee, and \$48 non/resident fee for 3 months of the year. The fees equate to \$10/month resident and \$16/month non-resident. Fees would not be assessed if Pickleball does not require the City of Antigo to purchase any equipment, and if there are no facility use fees.

Approval to increase resident registration fees for baseball, soccer, and flag football from \$13.00 to \$20.00/registration as of January 1, 2023. Approval to collect a \$30 resident fee and \$48 non-resident fee for the summer pickleball season as of January 1, 2023 if the City of Antigo has to pay facility use fees, or provide equipment. Approval to increase pickl

fall/winter/spring season rates to \$90 resident and \$144 non-resident to go into effect for the 2023/2024 season.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approval to Increase Shelter Reservation Fees

Our registration fees for our shelters and concession facilities have remained at the following rates for over 15 years, with the exception of the Heinzen Pavilion & Festival Grounds, which were constructed in 2017/2018:

Concession Facilities: \$50 Resident

Shelters: \$40 Resident

Heinzen Pavilion & Festival Grounds: \$75 Resident

All non-resident fees are 1.5 times the cost of the resident fees, which is the most we charge per our grant agreements, which funded construction of the facilities.

Due to the increasing costs of expenses I am recommending increasing the fees to the following:

Concession Facilities: \$60 Resident

Shelters: \$50 Resident

Heinzen Pavilion & Festival Grounds: \$75 Resident during the Farmers' Market Season on Saturdays, and \$85 Resident any other days

I am estimating an anticipated increase of \$1,300 in revenues.

Approval to increase resident fees to the above listed rates, and non-resident rates 1.5 times the approved resident rates.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approval to Purchase Ball Field Materials to Change the Area along the Fences to Add Warning Track or Top Dress Material at a Cost not to Exceed \$2,500

In an effort to continue with enhancements and improvements to our facilities, staff has made the recommendation to remove sod beneath ball field fence lines, and replace with warning track, or top dress material.

Removal of the sod, and replacement with warning track or top dress material, will allow staff to spray along the fence lines preventing weeds and long grass, while eliminating the labor intensive process of trimming the 6 ball field fences.

Approval to purchase the warning track, or top dress material not to exceed \$2,500 using budgeted funds.



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approval to Purchase Brush Cutter from Swiderski at a cost of \$13,575

The Park, Recreation and Cemetery Department requested bids for a brush cutter to assist with buckthorn removal south of Elmwood Cemetery as well as locations along the Springbrook Trail and other park areas. Inland Lakes approved funding a portion of the brush cutter to assist with invasive removal along the Springbrook Trail and Antigo Lake Basins.

Below were the minimum specs listed for the brush cutter.

MINIMUM SPECIFICATIONS for one (1) Brush Cutter:

- 78" Cutting width
- 20-30 GPM
- 6" Cutting Capacity
- 3/16" deck with sides reinforced with 3/8" AR400
- 3 Bidirectional blades made with 5/8" AR400
- Does not require a case drain
- High Torque Parker Motor
- 3/8" Double clover leaf blade holder
- 100 HP right angle gear box with 6 bold flange blade center
- 1/4" Deck optional upgrade
- Mulching Teeth

Swiderski, Technology International, Rew and Quinlan's met the minimum specifications. We are recommending either Swiderski or Rew Motors for the purchase.

The brush cutter bid by Rew can cut 8" diameter compared to our minim specification of 72", which would be beneficial for our application.

The price difference is \$4,888. I am requesting the purchase of the brush cutter bid by Rew Motor for a cost of \$13,575 using Timber Sale and approved Inland Lake funds.

Brush Cutter Bids 2022

Bidder	Price	Make/Model	Cutting Width	GPM	Cutting Capacity	Deck
Swiderski 820 Old HWY 51 Mosinee, WI 54455 Fuller Sales & Service 2760 Hwy 45 North Antigo, WI 54409	\$ 8,687.00	CID 78" X-TREME Brush Cutter	78"	20-30	6"	3/16"
Technology International 1349 S International Pkwy, Suite 2411; Lake Mary, FL 32746	\$ 10,750.00	Mega Mower X Brush Cutter 78"	78"	25-40	10"	yes
Wear Parts & Equip 20100 E 35th Drive Aurora, CO 80011	\$ 11,299.00	Standard Flow Blue Diamond 72" Extreme Duty Open Front	72"	16-26	6"	yes
Fuller Sales & Service 2760 Hwy 45 North Antigo, WI 54409	\$ 12,299.00	Bauma Light CF572	72"	30	3"	1/4"
Rew Motors N2960 Hwy 45 Antigo, WI 54409	\$ 13,575.00	Virnig IRC V60	78"	20-45	8"	1/4"
Quinlan's 1030 S. Superior St Antigo, WI 54409	\$ 13,605.00	Virnig IRC V60	78"	20-45	8"	1/4"
Difference Between Swiderski & Rew	\$ 4,888.00					

Attachment: Bid Summary (5780 : Approval to Purchase Brush Cutter)

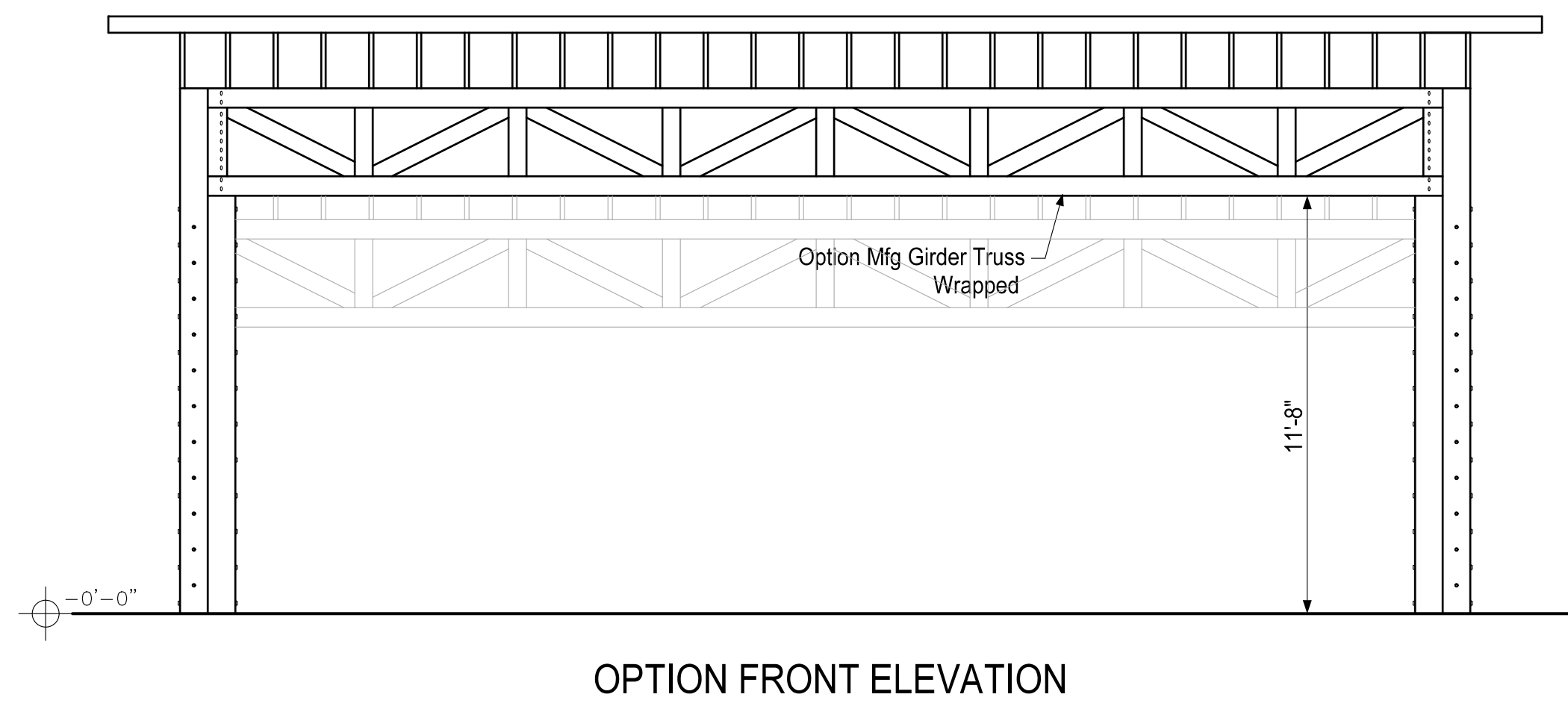
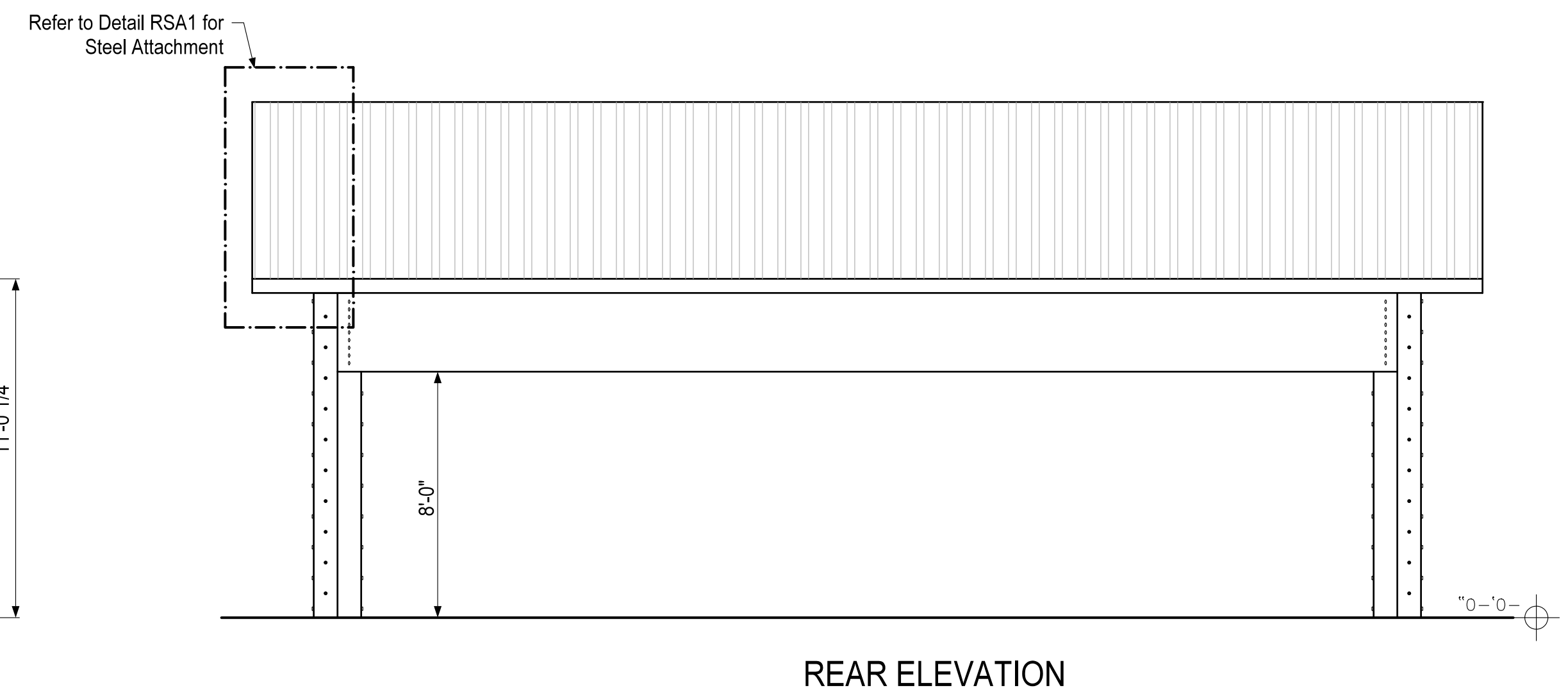
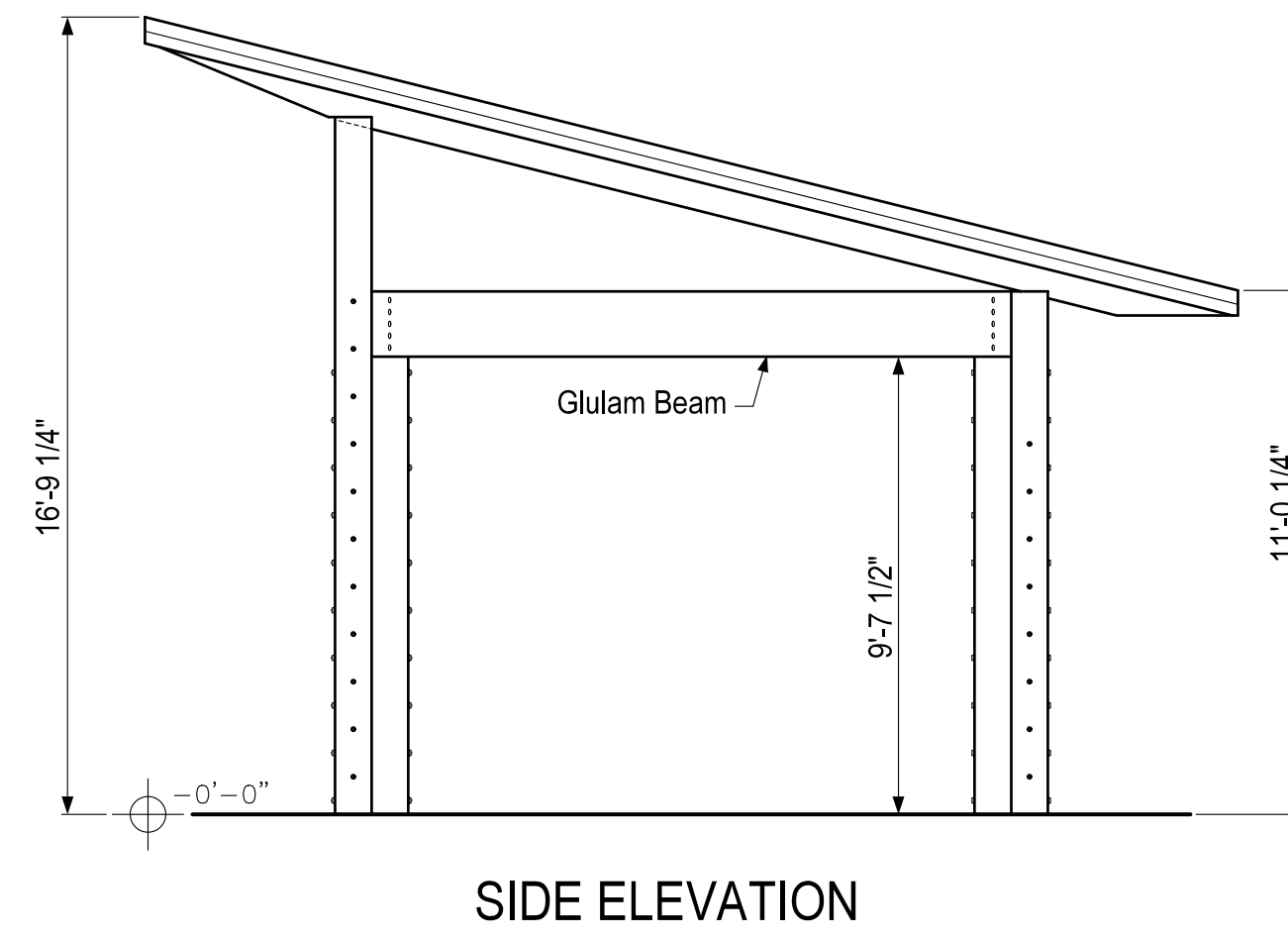
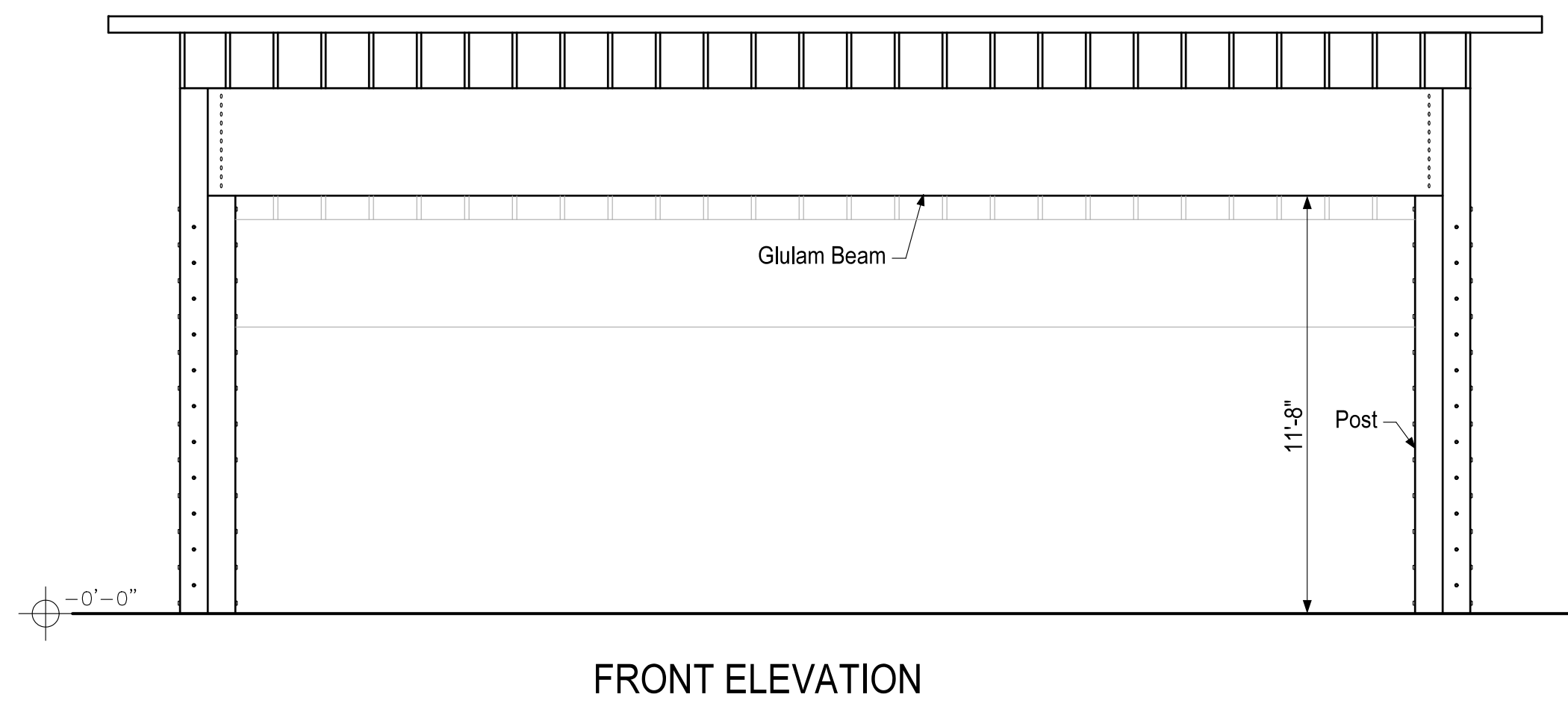
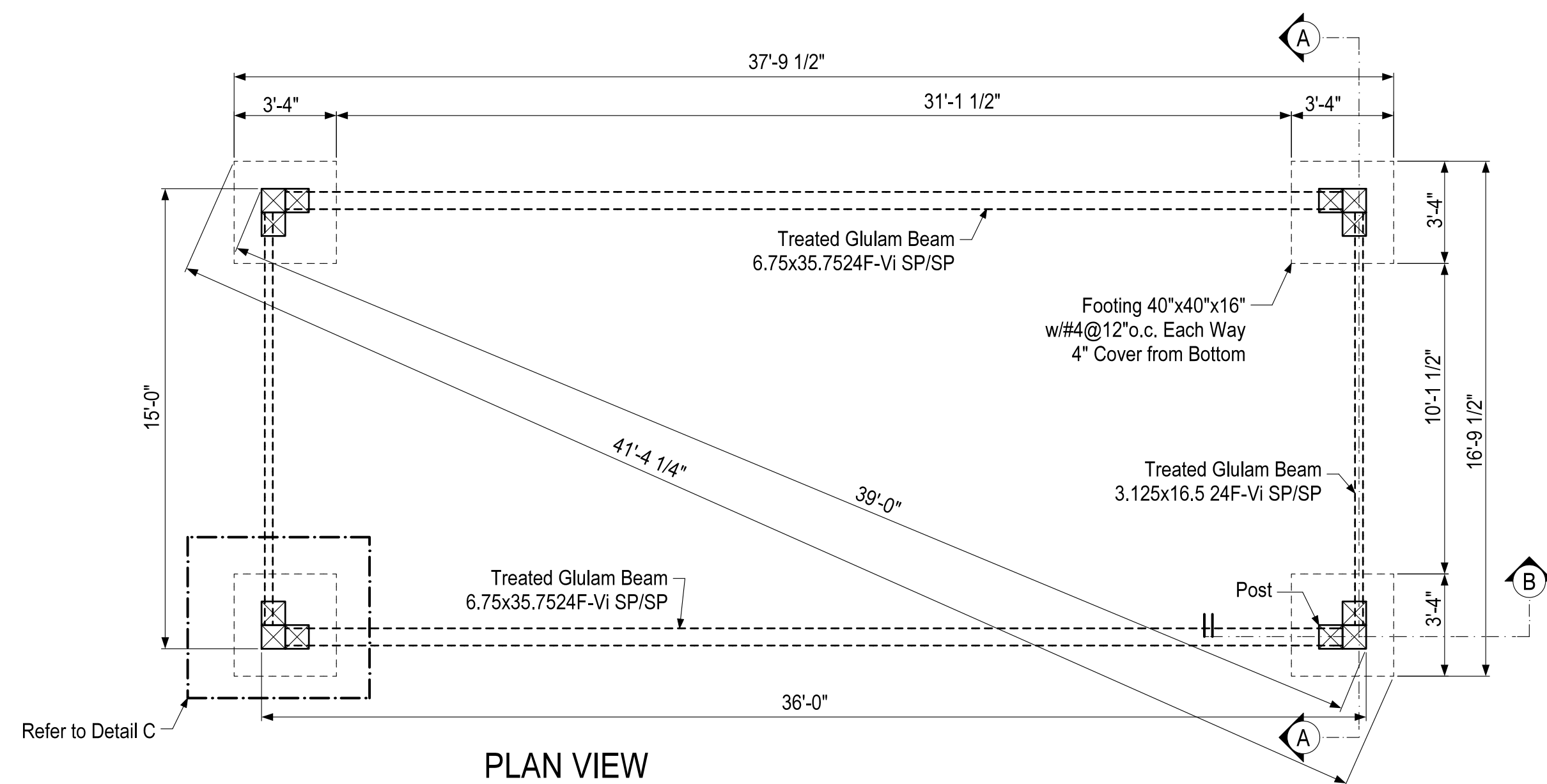
Blades	Mulching Teeth
3	yes
3	Yes
4	Yes
4	standard blades
4	-
4	yes
4	yes



To: Mayor and City Council
From: Sarah Repp, Parks, Recreation, and Cemetery Supervisor
Date: October 10, 2022
Re: Approve Outright Purchase of Peaceful Valley Festival Grounds Canopy Material as
No Bids Were Received Despite Advertising Twice

We have advertised a material bid for a Canopy at the Peaceful Valley Festival Grounds (we will be constructing in-house) twice, but did not receive any submissions each time.

I am requesting the approval to use due diligence to purchase the most cost effective materials to construct the canopy using Timber Sale Funds.



PRELIMINARY
PLANS

Vilas Engineering LLC
1112 Vilas Ave.
Madison, WI 53715
608-301-5896
info@vilasengineering.com

Architectural Design LLC
W7121 Red River Rd. - Antigo WI 54409
w10258bean@frontier.com
715-489-3721 Jeff Bean

JOB NAME
PEACEFUL VALLEY PAVILION

DATE:
6/28/2022

PROJECT #:
750-0-ILLUS

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

DRAWN BY:
JB

PAGE
1 OF 4

Scope of Work: The Scope of Work under taken in this document is expressly limited to the those members, connections, materials, etc. specified herein. All work not specifically specified is by Others and shall not be assumed from this document. The Scope of Work is further limited to only the structural design of the building shell as shown in the plans.

Engineering Disclaimer: The structural analysis, design, and detailing in this document is based on the stated Design Criteria, assumptions, and building code loads. Uses that impose loads in excess of those assumed by the building code are outside the scope of this document; therefore, the Client is responsible for contacting Vilas Engineering LLC immediately if the stated uses are incorrect. This report only applies to the stated Scope of Work, all other work is considered outside the scope of this document. This work is intended solely for the Client(s) named and for the Project(s) named. Any use which a third party makes of the work, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Client shall indemnify and defend Vilas Engineering LLC against any claims, liabilities, damages, expenses, fees (including reasonable attorney's fees), incurred by Vilas Engineering LLC arising from or in connection with the misuse of the report. No warranty, expressed or implied, is provided that the final construction is in accordance with this document. This document shall be deemed out of date upon notice by Vilas Engineering LLC to client and in any event no later than 2 years after Issue Date.

The Structural Engineer's Role During Construction:

1. Vilas Engineering LLC (a.k.a. Engineer) shall not have control, nor charge of, and shall not be responsible for:
- 1.1. Construction means, methods, techniques, sequences, or procedures,
- 1.2. Any safety precautions and programs in connection with the work
- 1.3. For the acts or omission of the Client, Contractor, Subcontractor, or any other persons performing any work, or for the failure of any of them to carry out the work in accordance with these contract documents.
2. Pertaining to periodic site observation by Vilas Engineering LLC:
- 2.1. Periodic visits are solely for the purpose of becoming generally familiar with the progress and quality of the work completed and determining, in general, if the work observed is being performed in a manner indicating that the work, when fully completed, will be in accordance with these contract documents.
- 2.2. These limited site observations should not be construed to as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the project against defects or deficiencies in the work taking place.
- 2.3. These visits do not constitute periodic or continuous inspections or observations as required by the Building Code.

Design Criteria:

Building Geometry:
Wall Length Parallel to Ridge, B: 200 ft
Wall Length Normal to Ridge, L: 40 ft
Typ. Wall Height: 17 ft
Mean Roof Height, h: 23.66 ft
Roof Pitch (rise per 12 units of run): 4 /12
Horizontal Distance from Eave to Ridge, W: 20 ft
Roof Surface: Unobstructed Slippery Surfaces

Building Planning:
Building Code: 2015 IBC w/ WI Ammendments
Weathering: Severe
Frost Line Depth: 48 in
Termite Infestation: Slite to Moderate
County: St. Croix
Climate Zone: 6A

Dead Load - Roof:

Truss Self Weight: 2.5 psf

Top Chord: 5 psf
Purlins: 1 psf
Metal Panel: 1 psf
Misc: 3 psf

Bottom Chord: 5 psf
Metal Panel: 0 psf
Insulation: 0 psf
Sprinkler System: 0 psf
MEP: 1 psf
Misc: 4 psf

Walls: 5 psf
Metal Panel: 1 psf
Girts, Studs, Framing, etc.: 1 psf
Misc: 3 psf

Wind Design Parameters:
Basic Wind Speed, V ASD: 90 mph
Basic Wind Speed, V Ultimate: 115 mph
Topographic Factor, Kzt: 1
Wind Directionality Factor, Kd: .85
Building Category: I
Exposure Category: C
Envelope: Partially Enclosed
Method: MWFRS – Method 2 (Low Rise Building)
Roof Type: Gable

Snow Design Parameters:
Ground Snow Load: 50 psf
Exposure Category: Partially Exposed
Thermal Factor: 1.2
Flat Roof Snow Load: 33.6 psf
Sloped Roof Snow Load: 31.50 psf

ASCE 7-10 -- Componenets and Cladding Load:
Zone 1 - Roof Field: 28.23 psf
Zone 2 - Roof Edge: 28.23 psf
Zone 3 - Roof Corner: 28.23 psf
Zone 4 - Wall Field: 41.68 psf
Zone 5 - Wall Corner: 41.68 psf
Zone 1 - Roof Field: -38.99 psf
Zone 2 - Roof Edge: -60.50 psf
Zone 3 - Roof Corner: -84.70 psf
Zone 4 - Wall Field: -44.36 psf
Zone 5 - Wall Corner: -52.43 psf

Soil Properties:
Soil Type: CL, ML, MH, and CH
Presumptive Load-Bearing Values of Soil: 1500 psf

Live Loads:
Roof Live Load: 20 psf

Seismic Design Criteria:
Seismic Design Category: A
Short Period Spectral Response, SDS: .024 %g
1-Sec Spectral Response, SD1: .016 %g

Client Responsibility:

1. All materials shall be in accordance with the Wisconsin Commercial Building Code.
2. Client is responsible obtaining all permits and inspections required by the local building department.
3. Client is responsible for adhering to all building codes.
- 3.1. Client is responsible for all environmental detailing such as water management details. Examples, window flashing, air sealing, water resistive barriers, air barriers, mold & rodent remediation, etc.
4. Client is responsible for means and methods of construction, the temporary condition of all structural elements, and safety precautions required by law during construction.
- 4.1. Client shall fully and properly implement the engineering controls, work practices, and respiratory protection against toxic and hazardous substances, including respirable crystalline silica according to Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1153.
5. Client is responsible for verifying and coordinating dimensions prior to construction.
6. All hardware shall be installed per the manufacturer's installation instructions.
7. Where loads, loading, and required capacities are specified they shall be submitted to Vilas Engineering LLC for confirmation that it meets the design assumptions. All hardware submitted shall be supported by a Code Evaluation Report. This allows the Client the ability to shop for hardware which might be difficult and costly to attain.
8. Details shall be considered typical and be utilized where similar conditions exist. Where additional information is needed for clarification of a detail a request shall be submitted to Vilas Engineering LLC. Work shall stop until the clarification is provided.
- 8.1. When these details and code requirements conflict the more restrictive of the two shall be followed.
9. Where loads, loading, and required capacities are specified they shall be considered Allowable Stress Design (ASD). Where Load and Resistance Factor Design (LRFD) is required, the specified loads & capacities shall be multiplied by the applicable Load Factors.
10. Where conditions are not specifically specified here, similar details shall be utilized. Where details are not provided and clarification is needed contact Vilas Engineering LLC for updated details.
11. Verify door and window rough openings with supplier.

Possible Changes in Quantity of Work:

1. Bidder understands that the quantities specified herein are approximate and that actual quantities in the field may increase or decrease from the quantities estimated. Bidder hereby agrees to perform all quantities of work as either increased or decreased, as required by Vilas Engineering LLC in accordance with the provisions of the contract documents.

Maintenance Statement:

1. All structures require periodic maintenance to extend the life-span and to ensure structural integrity from exposure to the environment. A planned program of maintenance shall be established by the Building Owner. This program shall include items such as but not limited to painting of structural steel, protective coating for concrete, replacement of failed sealants, caulked joints, expansion joints, control joints, repair of spalls and cracks in concrete, and pressure washing of exposed structural elements exposed to a salt environment or other harsh chemicals.
- Responsibility of the Contractor for Construction Loads:
1. The contractor shall not overload the structure during construction. The Contractor is responsible for checking the adequacy of the structure to support any applied construction loads, including those due to construction vehicles, equipment, material handling, storage, shoring, re-shoring, or any other construction activity. The Contractor shall submit calculations signed and sealed by a Professional Engineer licensed in the State of Wisconsin verifying the adequacy of the structure for any proposed construction loads that are in excess of 20 psf. Vilas Engineering LLC is not responsible to design or check the structure for loads applied to the structure for construction activity.

Existing Structure:

1. The design contained in these sheets is based on an assumed structure and load path of the existing structure obtained via a visual inspection of the existing structure prior to construction and demolition commencing. Finishes obscured the exact nature of the structure, load path, and materials.
- 1.1. These assumptions shall be verified and this design updated, if needed, prior to construction but after the demolition has revealed the exact structure, load path, and materials of the existing structure.
- 1.2. After demolition has revealed the structure to an adequate degree contact Vilas Engineering LLC to schedule a site visit to verify assumptions.
2. Contractor shall verify all dimensions and conditions of the existing building at the job site and report any discrepancies from assumed conditions shown on the drawings to Vilas Engineering LLC prior to fabrication and erection of any shoring members. Existing dimensions shown on the drawings are for general reference only and should not be used for final construction or detailing.
3. Existing construction shown on the drawings was obtained from limited site observation. The Contractor is responsible for being knowledgeable of information presented and shall field verify all pertinent information.
4. Contractor shall perform a survey to locate all existing utilities prior to the start of construction and take care to protect utilities to remain in service. Existing civil, MEP, Fire Protection, and emergency protection systems services any areas outside the work area shall be maintained in operable condition throughout the duration, and after, of shoring installation. Contractor shall make all necessary temporary connections to maintain existing utilities in service during the work. Temporary, localized, interruptions of these systems shall require Owner's written approval.

Wood Framing:

1. All door and window headers shall be (2) 2x12 members unless noted otherwise.
2. All exterior walls shall be sheathed metal panel sheathing.
3. Posts composed of multiple studs/plies shall be fastened together with screws, of sufficient length to penetrate all plies, 6" o.c. Where the following qty. of screws shall be used:
- 3.1. For 2x4 plies (1) screw @ 6" o.c.
- 3.2. For 2x6 plies (2) screws @ 6" o.c.
- 3.3. For 2x8 plies (3) screws @ 6" o.c.
4. Lumber shall meet the following requirements:
- 4.1. Solid sawn lumber shall be minimum SPF No. 1/No. 2 grade material.
- 4.2. LVLs shall be minimum 2950F/b-2.0E LP LVL.
- 4.3. Lumber shall have the minimum design properties found in Table 1. Better material is permitted to be substituted provided it meets or exceeds these values.
5. Where floor joists run parallel to, and provide support for, walls or bathtubs additional joists shall be installed such that a minimum of (1) extra joist is providing additional support. Blocking/bridging shall be installed between joists to ensure adequate load sharing between joists.
6. Thru bolts shall be machine bolts and have a minimum bending yield strength of 36 ksi. Carriage bolts are not permitted.

7. All hardware shall be installed in accordance with the manufacturer's installation instructions. Fasteners specified by the hardware manufacturer shall be used. All factory created nail holes shall be filled.
8. Subfloor shall be attached to joists with construction adhesive & screws or ring shank nails.
9. Construction adhesive shall:
- 9.1. Meet ASTM D3498 specifications.
- 9.2. Be installed in accordance with the manufacturer's instructions. Special attention should be paid to lumber moisture content, temperature during installation, and cure time.
10. Roofing materials shall be installed, attached, and flashed in accordance with the manufacturer's installation instructions and details.
11. Where nails are specified screws of equal, or greater, length are permitted to be substituted.
7. Pertaining to preservative treated lumber:
- 7.1. Lumber designated as pressure treated shall be preservative treated to protect against moisture, decay, rot, and insects.
- 7.2. Preservative treated lumber shall be in treated and selected for use in accordance with AWWA U1.
- 7.3. Fasteners, hangers, and other hardware used in preservative treated lumber shall be hot-dipped zinc-coated galvanized steel, stainless steel, or be certified for such use by the manufacturer.
- 7.4. Wood shall be at a moisture content of 19% or less before being covered with insulation, interior wall finish, floor covering, or other materials enclosing the members.
8. Wood sheathing shall conform to the requirements for their type in DOC PS1, DOC PS2, or ANSI/APA PRP 210. Wood structural panels shall be designed and fabricated in accordance with the IBC.
9. Structural composite lumber, including LVL, shall have structural capacities established and monitored in accordance with ASTM D5456.
10. Lumber shall not be fire-treated unless specifically noted herein or approved by Vilas Engineering LLC. Fire treatments have the potential of reducing the strength of the lumber and therefore need to be accounted for in the design.
11. Cutting and notching:
- 11.1. LVL members are not permitted to be cut, notched, or drilled without prior approval from Vilas Engineering LLC.
- 11.1.1. Pre-drilling for fasteners specified herein is permitted.
- 11.2. Solid sawn floor joists are permitted to drilled with a round hole.
- 11.2.1. The diameter of such hole shall be 1/4 the member depth or less.
- 11.2.2. No part of the hole shall not be located within 2" of the member edge.
12. Standard nails referenced in the plans are as follows:
- 12.1. 16d = 0.131" x 3"
- 12.2. 8d = 0.113" x 2-3/8"
13. Framing members running parallel to each other shall not be spliced at the same location to ensure a weak point is not created in the structure.

Soils

1. The Client is responsible for verifying the soil properties and allowable load bearing capacity are acceptable for the construction proposed. The IBC minimum allowable soil bearing capacity has been assumed in the design. No provisions have been made for expansive soils.
2. Non-frost susceptible soils are those that are generally granular in nature with less than 6% by mass passing a #200 sieve.

Concrete:

1. All cast in place concrete shall have a minimum 28 day compressive strength of 3,500 psi.
2. Reinforcing steel shall comply with ASTM A615 - Grade 60 and have a minimum yield strength of 60 ksi.
3. For concrete slabs saw cut contraction joints shall be installed such that slab panels have a length to width ratio of 1.5 to 1. L and T shaped panels shall be avoided. The maximum distance between joints shall be 36 times the slab thickness.
4. The sub-grade under concrete shall be prepared such that a sub-grade modulus is 200 pci and the Design Criteria bearing capacity is achieved.
5. Longitudinal reinforcing bars shall be continuous. Lap splicing is permitted provided they are lapped 36 inches.
6. Corner bars of equal size as that of continuous reinforcement shall be installed at all corners. Leg lengths shall be at least 36 inches long.

Energy Conservation:

1. Building shall have a continuous air barrier that is sealed in an approved manner and is constructed or tested in an approved manner. All penetrations shall be sealed in an approved manner.
2. All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.
3. Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.

General Code Provisions Requiring Extra Attention:

1. IBC 1209.2 - An opening not less than 20"x30" shall be provided to any attic area having a clear height of over 30". A 30" minimum clear headroom in the attic space shall be provided at, or above, the access opening.
2. IECC 303.1.1.1 - The thickness of blown-in or sprayed roof/ceiling insulation (fiberglass or cellulose) shall be written in inches on markers that are installed at least one for every 300 square feet throughout the attic space. The markers shall be affixed to the trusses or joists and marked with the minimum initial installed thickness with numbers not less than 1 inch in height. Each marker shall face the attic access opening. Spray polyurethane foam thickness and installed R-value shall be listed on certification provided by the insulation installer.
3. IECC 303.2.1 - Insulation applied to the exterior of basement walls, crawlspace walls and the perimeter of slab-on-grade floors shall have a rigid, opaque and weather-resistant protective covering to prevent the degradation of the insulation's thermal performance. The protective covering shall cover the exposed exterior insulation and extend not less than 6 inches below grade.
4. IBC 718.4.3 - Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 square feet.
5. IBC 718.3.1 - Draftstopping materials shall be not less than 1/2-inch gypsum board, 3/8-inch wood structural panel, 3/8-inch particleboard, 1-inch nominal lumber, cement fiberboard, batts or blankets of mineral wool or glass fiber, or other approved materials adequately supported. The integrity of draftstops shall be maintained.
6. IBC 1010.1.5 - There shall be a floor or landing on each side of a door. Such floor or landing shall be at the same elevation on each side of the door. Landings shall be level except for exterior landings, which are permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-percent slope).

- 1) This structure is designed using a frost-protected-shallow foundation.
- 2) The minimum monthly average temperature that this structure must be maintained at is 64 degrees Fahrenheit to avoid frost damage to the foundation.

PRELIMINARY
PLANS



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715-489-3721 Jeff Bean

JOB NAME

PEACEFUL VALLEY PAVILION

DATE:
6/28/2022

PROJECT #:
750-0-ILLUS

SCALE:
1" = 1'-0"
UNLESS NOTED

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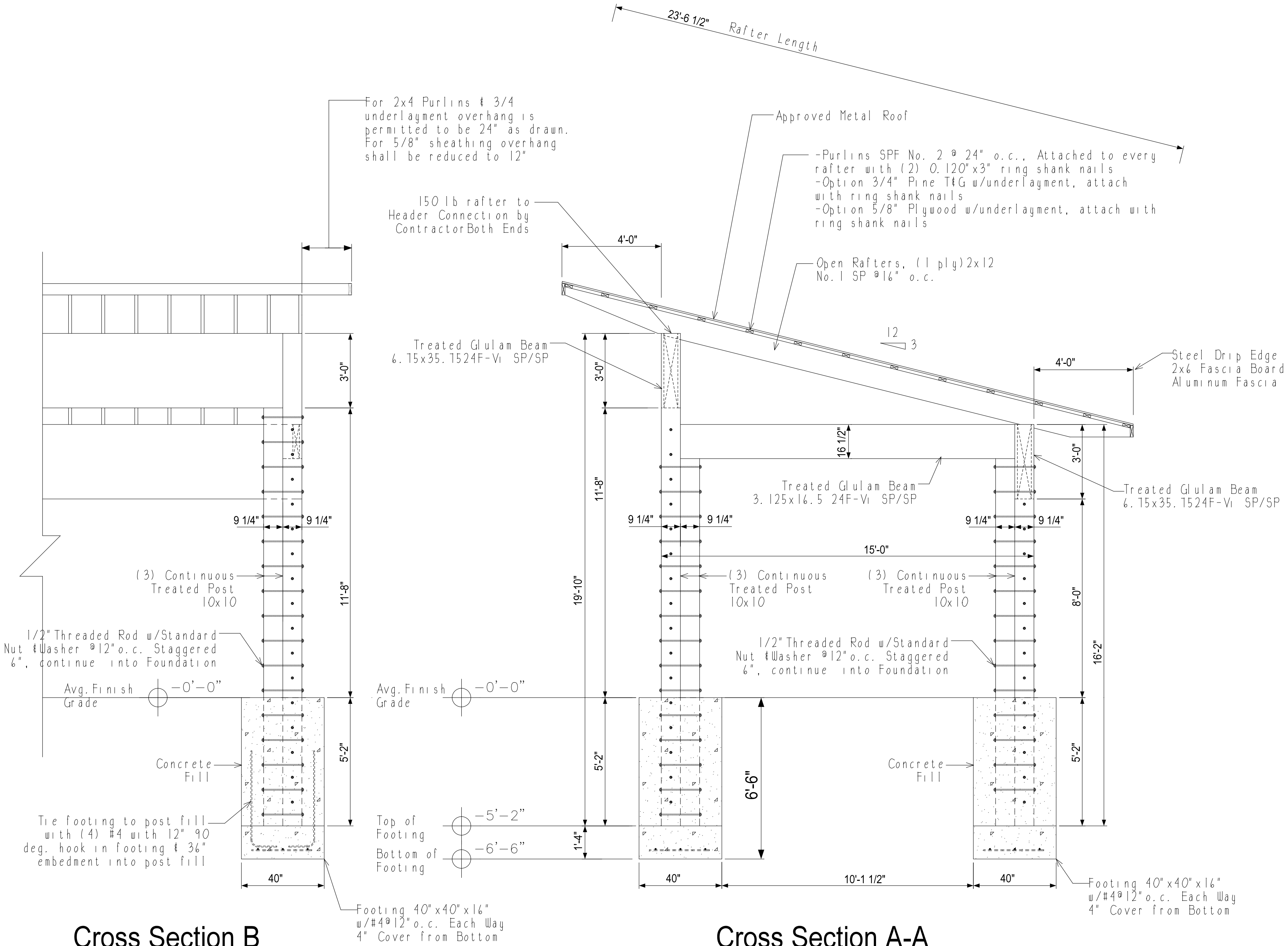
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MINIMUM FASTENER SCHEDULE TABLE

Other interior and exterior panel products and finishes installed per manufacturer requirements.
For engineered connectors, use manufacturer's specified fasteners.

Description of Building Materials/Connection	Number and Type of Fastener ^{1 2 3}		
Floor Framing			
Joist to joist, face nailed over support	3–8d		
Joist to sill or girder, toe nail	3–8d		
Band or rim joist to joist, end nail	3–16d		
Band or rim joist to sill or top plate	2–16d at 16" o.c.		
Bridging to joist, toe nail each end	2–8d		
Built-up girder and beams, top loaded	10d at 32" o.c. at top and bottom and staggered and two at ends and at each splice		
Built-up girder and beams, side-loaded	16d at 16" o.c. at top and bottom and staggered and two at ends and at each splice		
Ledger strip to beam, face nail	3–16d each joist		
Joist on ledger to beam, toe nail	3–8d		
Wall Framing			
Sole plate to joist or blocking, face nail	2–16d at 16" o.c.		
Top or sole plate to stud, end nail	2–16d		
Stud to sole plate, toe nail	3–8d or 2–16d		
Doubled studs, face nail	10d at 24" o.c.		
Doubled top plates, face nail	10d at 24" o.c.		
Doubled top plates, minimum 24-inch offset of end joints, face nail in lapped area	8–16d		
Top plates, laps and intersections, face nail	2–10d		
Continuous header, two pieces	16d at 16" o.c. along each edge		
Continuous header to stud, toe nail	4–8d		
1" corner brace to each stud and plate, face nail	2–8d or 2 staples, 1¾"		
Built-up corner studs	10d at 24" o.c.		
Description of Building Materials/Connection	Number and Type of Fastener ^{1 2 3}		
Roof/Ceiling Framing			
Ceiling joists to plate, toe nail	3–8d		
Ceiling joist, laps over partitions, face nail	3–10d		
Ceiling joist to parallel rafters, face nail	3–16d		
Rafter to plate, toe nail (maximum 6 rafter span, engineered connector for longer)	2–16d		
Roof rafters to ridge, valley or hip rafters, toe nail	4–16d		
Roof rafters to ridge, valley or hip rafters, face nail	3–16d		
Collar ties to rafters, face nail	3–8d		
Boards and planks			
1" x 6" subfloor or less to each joist, face nail	2–8d or 2 staples, 1¾"		
Wider than 1" x 6" subfloor toe to each joist, face nail	3–8d or 4 staples 1¾"		
2" subfloor to joist or girder, blind and face nail	2–16d		
1" x 6" roof or wall sheathing to each bearing, face nail	2–8d or 2 staples, 1¾"		
1" x 8" roof or wall sheathing to each bearing, face nail	2–8d or 3 staples, 1¾"		
Wider than 1" x 8" roof sheathing to each bearing, face nail	3–8d or 4 staples, 1¾"		
2" planks	2–16d at each bearing		
Panel Sheathing			
Material	Fastener	Spacing of Fastener	
		Edges	Intermediate Supports
Engineered wood panel for subfloor and roof sheathing and wall corner wind bracing to framing			
5/16" to 1/2"	6d common or deformed nail or staple, 1½"	6"	12" ⁴
5/8" to ¾"	8d smooth or common, 6d deformed nail, or staple, 14 ga. 1¾"	6"	12" ⁴
7/8" to 1"	8d common or deformed nail	6"	12"
1 1/8" to 1 ¼"	10d smooth or common, or 8d deformed nail	6"	12"
Combination subfloor/ underlayment to framing			
¾" or less	6d deformed or 8d smooth or common nail	6"	12"
7/8" to 1"	8d smooth, common or deformed nail	6"	12"
1 1/8" to 1 ¾"	10d smooth or common or 8d deformed nail	6"	12"
Wood panel siding to framing			
½" or less	6d corrosion-resistant siding and casing nails	6"	12"
5/8"	8d corrosion-resistant siding and casing nails	6"	12"
½" structural cellulosic fiberboard sheathing	1½" galvanized roofing nail; 8d common nail; staple 16 ga., 1½" long	3"	6"
25/32" structural cellulosic fiberboard sheathing	1¾" galvanized roofing nail; 8d common nail; staple 16 ga., 1¾" long	3"	6"
½" gypsum sheathing ⁵	1½" galvanized roofing nail; 6d common nail; staple galvanized 1½" long; 1¼" screws, Type W or S	4"	8"
5/8" gypsum sheathing ⁵	1¾" galvanized roofing nail; 8d common nail; staple galvanized 1½" long; 1½" screws, Type W or S	7"	7"

¹ All nails are smooth-common, box or deformed shank except where otherwise stated.
² Nail is a general description and may be T-head, modified round head or round head.
³ Staples are 16-gauge wire, unless otherwise noted, and have a minimum 7/16" o.d. crown width.
⁴ Staples shall be spaced at not more than 10" o.c. at intermediate supports for floors.



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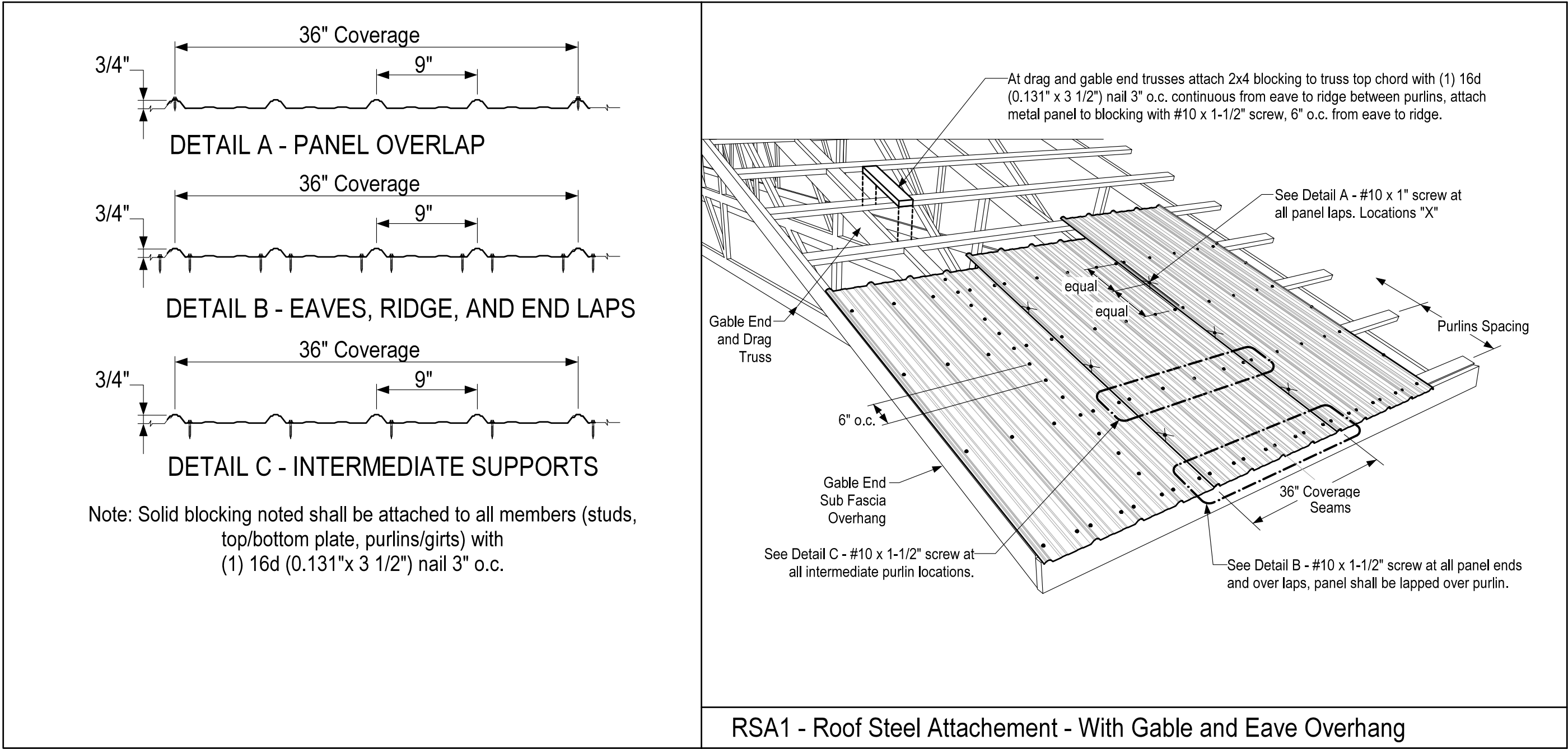
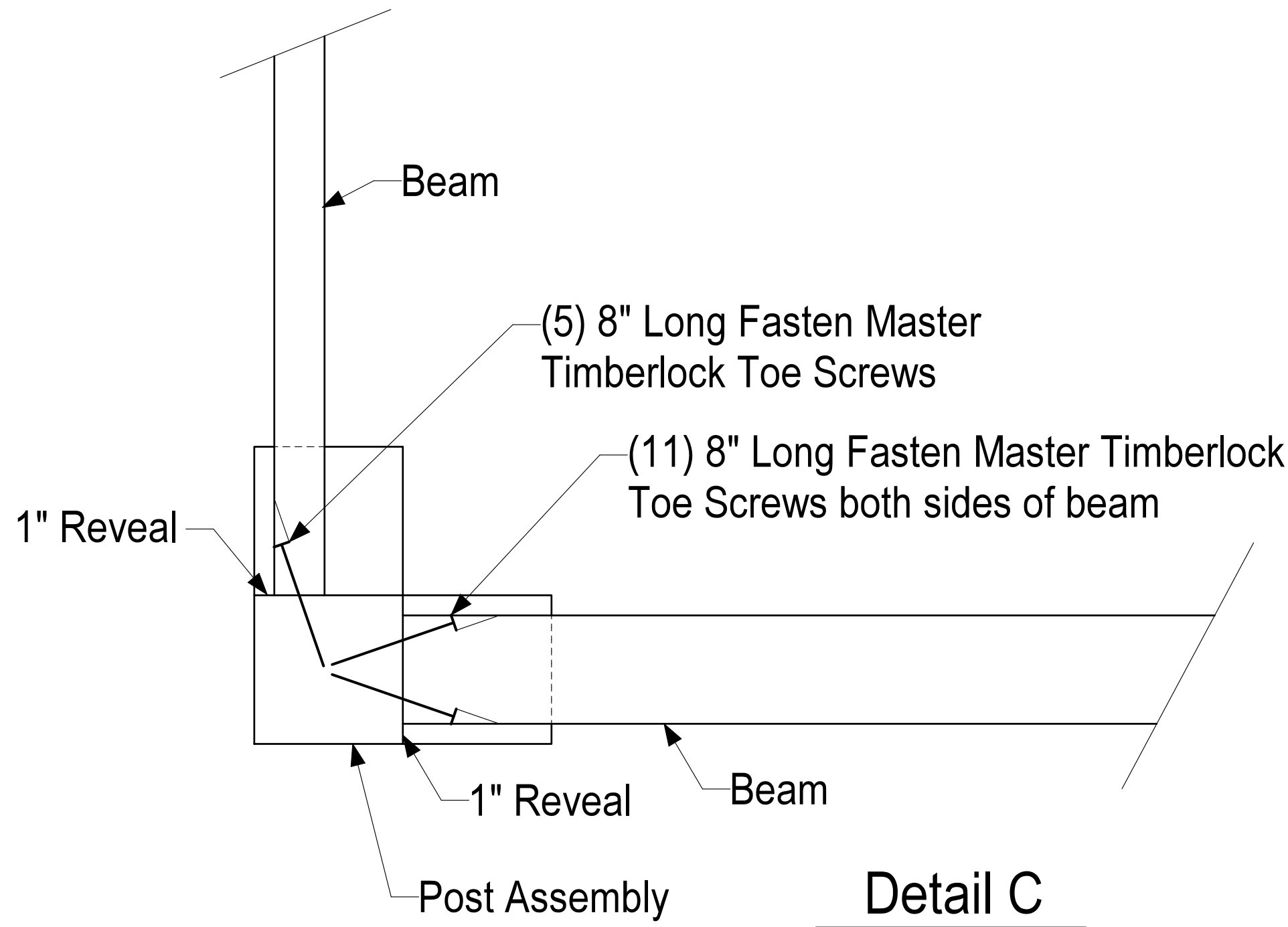
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Table 1 - Minimum Reference Design Values (psi)														
Material		LVL LP 2950F _v -2.0E	LVL LP 2900F _v -2.0E	LVL Global 3300F _v -2.0E	LVL Microlam 2900F _v -2.0E	LVL Minimum	SPF Spruce-Pine-Fir No. 1/No. 2	DF Douglas Fir Larch No. 2	DF Douglas Fir Larch No. 1	SP No. 2 2x12	SP No. 1 2x6	SP No. 2 2x6	SP No. 1 2x10	SP No. 2 2x10
F _b	Joist/Beam	2,950	2,900	3,300	2,900	2,140	875	900	1,000	750	1,350	1,000	1,050	800
	Plank	2,950	2,900	3,300	2,885	2,200	875	900	1,000	750	1,350	1,000	1,050	800
F _t		1,800	1,800	2,300	2,025	1,350	450	575	675	450	875	600	700	475
F _v	Joist/Beam	290	285	290	285	220	135	180	180	175	175	175	175	175
	Plank	140	140	150	190	140	135	180	180	175	175	175	175	175
F _c		3,200	3,200	2,700	2,635	2,100	1,150	1,350	1,500	1,250	1,550	1,400	1,450	1,300
F _{c, perp}	Joist/Beam	750	750	575	750	475	425	625	625	565	565	565	565	565
	Plank	550	550	500	680	280	425	625	625	565	565	565	565	565
E		2,000,000	2,000,000	2,000,000	2,000,000	1,500,000	1,400,000	1,600,000	1,700,000	1,400,000	1,600,000	1,400,000	1,600,000	1,400,000



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