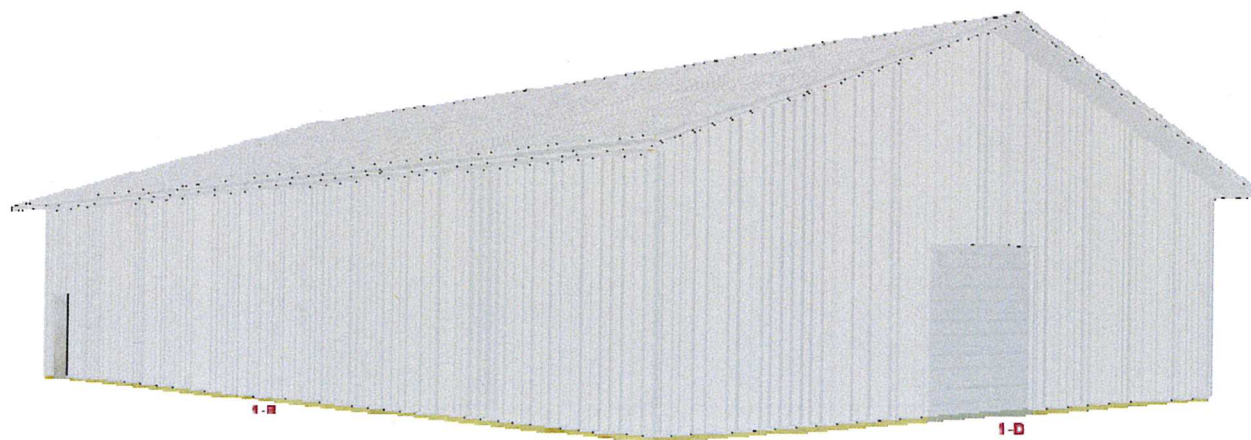
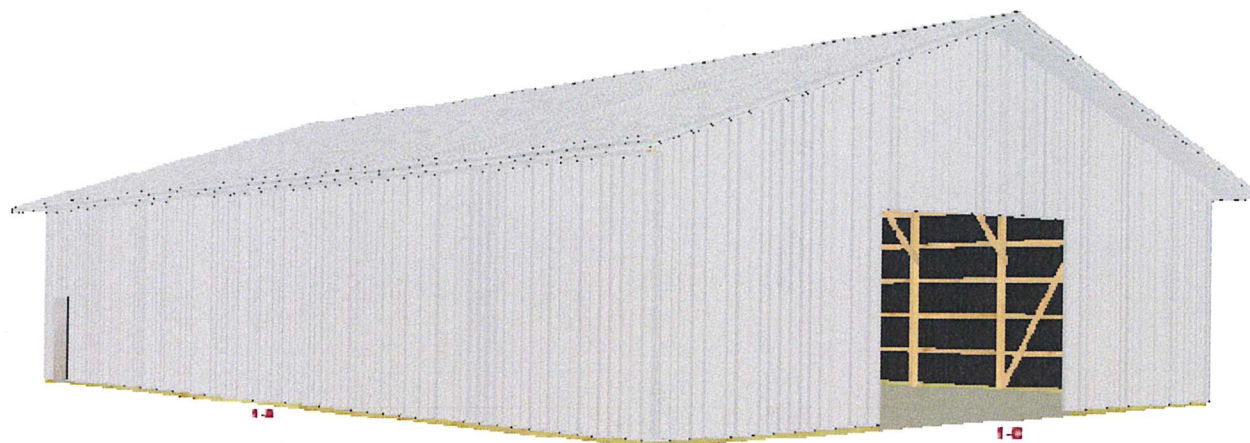


Design #: 315952490641
Estimate #: 38285
Store: JOHNSON CREEK



Post Frame Building Estimate
Date: Apr 11, 2024 4:23:33 PM

Elevation Views



Design #: 315952490641
Estimate #: 38285
Store: JOHNSON CREEK



Post Frame Building Estimate
Date: Apr 11, 2024 4:23:33 PM

Congratulations, you have taken the first step towards making your new post frame building a reality!

- You have selected Menards to provide you with superior products produced by Midwest Manufacturing that will meet your needs. For a more detailed look at these premium products visit us on the web at www.midwestmanufacturing.com.

*Delivery charge is not included in price. Items ordered to complete your building from vendors other than Midwest Manufacturing are not available for pickup from the plant.



Building Information

1. Building Use:	Code Exempt
2. Width:	50 ft
3. Length:	72 ft
4. Inside Clear Height:	14 ft
5. Floor Finish:	Concrete
6. Floor Thickness:	4 in
7. Post Foundation:	Post Embedded
8. Post Embedment Depth:	4 ft
9. Footing Pad Size:	14 in x 4 in

Wall Information

1. Post Spacing:	8 ft
2. Post Type:	Columns
3. Girt Type:	Flat
4. Exterior Wall Panel:	Pro-Rib
5. Exterior Wall Color:	White
6. Trim Color:	White
7. Gable Accent:	No
8. Sidewall A Eave Light:	None
9. Sidewall B Eave Light:	None
10. Wall Fastener Location:	In the Flat
11. Bottom Trim:	Yes
12. Gradeboard Type:	2x8 Treated Gradeboard

Interior Finish

1. Wall Insulation Type:	None
2. Wall Liner Type:	None
3. Roof Condensation Control:	None

Roof Information

1. Pitch:	4/12
2. Truss Spacing:	8 ft
3. Roof Type:	Pro-Rib
4. Roof Color:	White
5. Ridge Options:	Universal Ridge Cap
6. Roof Fastener Location:	On the Rib
7. Endwall Overhangs:	2 ft
8. Sidewall Overhangs:	2 ft
9. Fascia Size:	6 in Fascia
10. Soffit Color:	White
11. Skylight Size:	None
12. Ridge Vent Quantity:	None
13. Ceiling Liner Type:	None
14. Purlin Placement:	On Edge
15. Ceiling Insulation Type:	None

Accessories

1. Outside Closure Strip:	Standard
2. Inside Closure Strip:	Standard
3. Gable Vent Type:	None
4. Cupola Size:	None
5. Gutters:	No
6. End Cap:	No
7. Mini Print:	Hardcopy and E-mail

Design #: 315952490641
Estimate #: 38285
Store: JOHNSON CREEK



Post Frame Building Estimate
Date: Apr 11, 2024 4:23:33 PM

Doors & Windows

Name	Size	Wall
Service Door	36"x80"	1-A
Service Door	36"x80"	1-B
Framed Opening	18' x 12'	1-C
Overhead Door	10' x 10'	1-D

Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, heating, plumbing, and delivery are also NOT included in estimated price. This is an estimate. It is only for general price information. This is not an offer and there can be no legally binding contract between the parties based on this estimate. The prices stated herein are subject to change depending upon the market conditions. The prices stated on this estimate are not firm for any time period unless specifically written otherwise on this form. The availability of materials is subject to inventory conditions. MENARDS IS NOT RESPONSIBLE FOR ANY LOSS INCURRED BY THE GUEST WHO RELIES ON PRICES SET FORTH HEREIN OR ON THE AVAILABILITY OF ANY MATERIALS STATED HEREIN. All information on this form, other than price, has been provided by the guest and Menards is not responsible for any errors in the information on this estimate, including but not limited to quantity, dimension and quality. Please examine this estimate carefully. MENARDS MAKES NO REPRESENTATIONS, ORAL, WRITTEN OR OTHERWISE THAT THE MATERIALS LISTED ARE SUITABLE FOR ANY PURPOSE BEING CONSIDERED BY THE GUEST. BECAUSE OF WIDE VARIATIONS IN CODES, THERE ARE NO REPRESENTATIONS THAT THE MATERIALS LISTED HEREIN MEET YOUR CODE REQUIREMENTS. THE PLANS AND/OR DESIGNS PROVIDED ARE NOT ENGINEERED. LOCAL CODE OR ZONING REGULATIONS MAY REQUIRE SUCH STRUCTURES TO BE PROFESSIONALLY ENGINEERED AND CERTIFIED PRIOR TO CONSTRUCTION.

My Company Name

Address 1
Address 2
City, State Zip

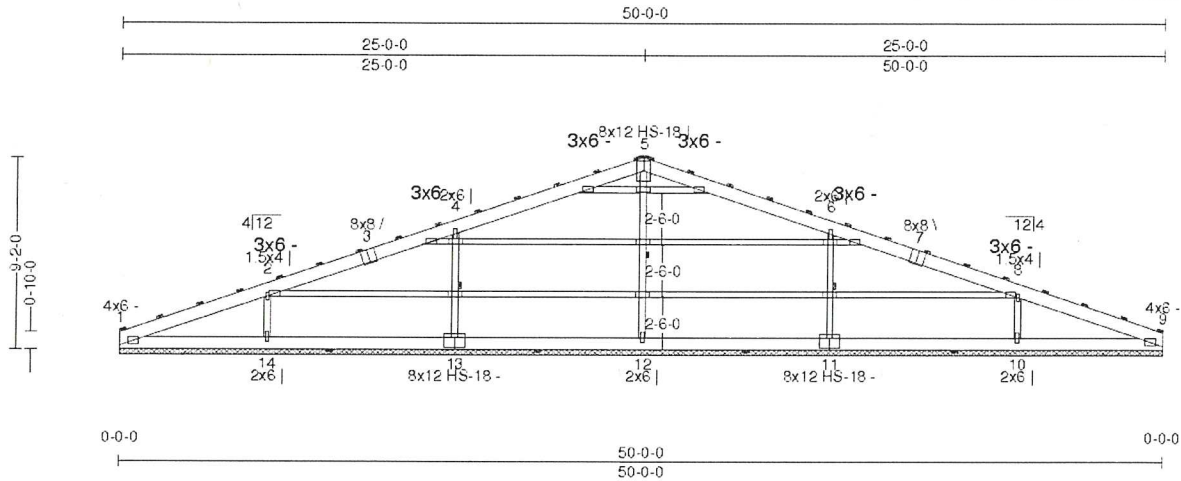
Truss: p50e

JobName: new pf ends

Date: 10/22/16 13:24:24

Page: 1 of 1

SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY
50-0-0	4/12	1	0-0-0	0-0-0	0-0-0	0-0-0	1	48 in	335 lbs



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TCLL: 30	Bldg Code: IBC 2012/	TC: 0.85 (5-6)	Vert TL: 0 in	L/999	9	L/120
Snow(Ps/Pg): 28/50	TPI 1-2007	BC: 0.03 (11-12)	Vert LL: 0 in	L/999	9	L/189
TCDL: 4 (rake)	Rep Mbr Increase: No	Web: 0.46 (4-13)	Horz TL: 0 in			
BCLL: 0	Lumber D.O.L.: 115 %					
BCDL: 1						

Reaction Summary

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max Wind Uplift	Max Uplift	Max Horiz
1		1,795 lbs	174 plf	-175 lbs	-287 lbs	-287 lbs	507 lbs

Material Summary

TC	SPF #2 2x 8
BC	SPF #2 2x 8
Webs	SPF Stud 2x 4
5-12	SPF #2 2x 4

except

Bracing Summary

TC Bracing:	Purlins at 24" OC, Purlin design by Others.
BC Bracing:	Sheathed or Purlins at 10'-0-0, Purlin design by Others.

Loads Summary

1) This truss has been designed for the effects of balanced and unbalanced snow loads for hips/gables in accordance with ASCE7 - 10 with the following user defined input: 50 psf ground snow load, Terrain Category C, Exposure Category Fully Exposed ($C_e = 0.9$), Risk Category I ($I = 0.80$), Thermal Condition Unheated ($C_t = 1.2$), DOL = 1.15. Unventilated. Unobstructed slippery surface. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.

2) This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 105 mph (Factor 0.9), Exposure C, Enclosed, Gable/Hip, Risk Category I, $h = 15$ ft, Not End Zone Truss, Both end webs considered. DOL = 1.60

3) This truss is designed as an agricultural truss which for the purposes of this program is defined as a structure that represents a low hazard to people and property. See BCSI-10 for installation and temporary bracing.

Member Forces Summary

Table indicates: Member ID, max CSI max axial force, (max comp. force if different from max axial force). Only forces greater than 300 lbs are shown in this table.

TC	1-2	0.440	380 lbs	(-376 lbs)	4-5	0.850	-597 lbs	8-9	0.837	-439 lbs
	2-4	0.837	-439 lbs		5-6	0.850	-597 lbs	9-0	0.440	380 lbs
BC										
Web	2-14	0.259	-1,079 lbs		5-12	0.387	-1,118 lbs	8-10	0.259	-1,079 lbs
	4-13	0.460	-1,758 lbs		6-11	0.460	-1,758 lbs			

Notes:

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 108" OC, U.N.O.
- 4) Attach gable webs with 5x8 20ga plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) When this truss has been chosen for quality assurance inspection, the Effective Truss Count Method per TPI 1-2002/A3.4 shall be used.
- 7) Building Designer shall verify self weight of the truss and other dead load materials do not exceed TCCL 4 psf.
- 8) Building Designer shall verify self weight of the truss and other dead load materials do not exceed BCDL 1 psf.
- 9) Design assumes minimum #2 (flat orientation, visually graded) purlins attached to the top of the TC at purlin spacing shown with at least 2-10d nails.
- 10) Gable must be sheathed on one side or lateral bracing applied appropriately.
- 11) Creep has been considered in the analysis of this truss.
- 12) Indicates lateral bracing required perpendicular to the plane of the truss at either the midpoint (one shown) or third points (two shown), bracing by others. See BCSI-B3 for additional information.
- 13) Due to negative reactions in gravity load cases, special connections to the bearing surface at joints 9, 1 may need to be considered.
- 14) Listed wind uplift reactions based on MWFRS Only loading.

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 ISSUED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST DESIGN VALID ONLY WHEN EAGLE METAL CONNECTORS ARE USED.

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Eagle Metal Products
Dallas, TX 75234

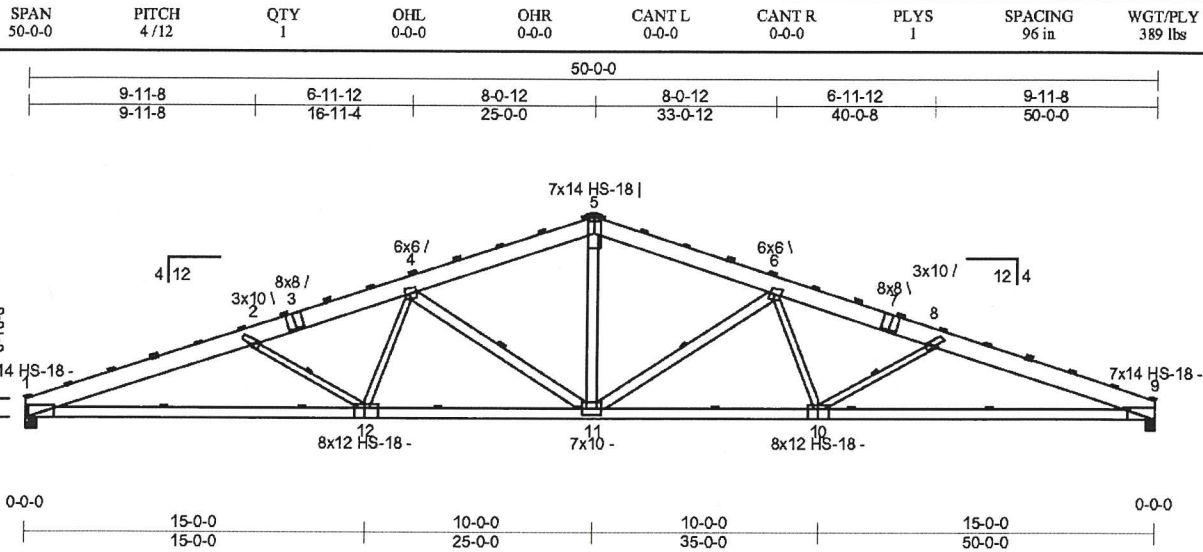
Midwest Manufacturing

Truss: p50new

JobName: PF STOCK

Date: 02/16/17 12:22:55

Page: 1 of 2



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL: TABLE	Bldg Code: IBC 2015/	TC: 0.92 (8-9)	Vert TL: 1.26 in	L / 467	(10-11)	L / 120
TCDL: 4(nake)	TPI 1-2014	BC: 0.97 (12-1)	Vert LL: 1.07 in	L / 549	(10-11)	L / 180
BCLL: 0	Rep Mbr Increase No	Web: 0.80 (5-11)	Horz TL: 0.52 in		9	
BCDL: 1	Lumber D.O.L.: 115 %					

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max Wind Uplift	Max Uplift	Max Horiz
1	1	5.5 in	5.83 in	7,043 lbs	-	-1,298 lbs	-1,298 lbs	127 lbs
9	1	5.5 in	5.83 in	7,043 lbs	-	-1,298 lbs	-1,298 lbs	-

Bearing enhancers may be required at the following bearings: Brg #
See Eagle Metal 'Bearing Enhancer' detail
for capacity of specific bearing block(s) and connectors: 9

THIS TRUSS ANALYZED FOR THE FOLLOWING LOADING CONDITIONS:

GSL (PSF)	TCLL (PSF)	TCDL (PSF)	BCDL (PSF)	TOTAL (PSF)	(MAX.) O.C. Spacing	B.C. Purlin Spacing
40	24	4	1	29	9'-0"	Sheathed or Purlins at 10'-0", Purlin design by Others.
50	30	4	1	35	8'-0"	Sheathed or Purlins at 10'-0", Purlin design by Others.
70	40	4	1	45	6'-0"	Sheathed or Purlins at 10'-0", Purlin design by Others.

Material

TC: SYP 2400/2.0 2 x 10
BC: SYP 2400/2.0 2 x 6
Web: SPF Stud 2 x 4 except:
SPF #2 2 x 6; 5-11
SPF 2100/1.8 2 x 6; 4-11, 6-11

Bracing

TC: Purlins at 24" OC, Purlin design by Others.
BC: Sheathed or Purlins at 10'-0", Purlin design by Others.
Web: One Midpoint Row: 2-12, 4-11, 6-11, 8-10

Loads

- This truss has been designed for the effects of balanced and unbalanced snow loads for hips/gables in accordance with ASCE7 - 10 with the following user defined input: TABLE psf ground snow load, Terrain Category C, Exposure Category Fully Exposed (Ce = 0.9), Risk Category I (I = 0.80), Thermal Condition Unheated (Ct = 1.2), DOL = 1.15. Unventilated. Unobstructed slippery surface. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 105 mph (Factored), Exposure C, Enclosed, Gable/Hip, Risk Category I, h = 15 ft, Not End Zone Truss, Both end webs considered. DOL = 1.60
- Minimum storage attic loading has not been applied in accordance with IBC 1607.1
- In accordance with IBC 1607.1, minimum BCLL's do not apply.
- This truss is designed as an agricultural truss which for the purposes of this program is defined as a structure that represents a low hazard to people and property. See BCSI-10 for installation and temporary bracing.

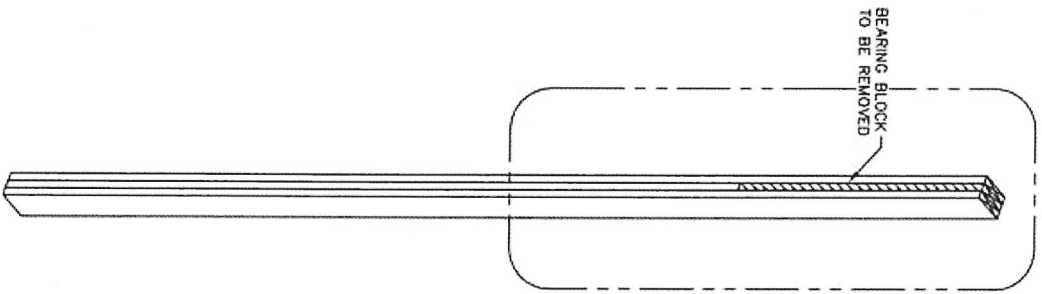
Member Forces

		Table indicates: Member ID, max. CSI, max. axial force, (max. comp. force if different from max. axial force). Only forces greater than 300 lbs are shown in this table.									
TC	1-2	0.925	-15,796 lbs	4-5	0.508	-11,252 lbs	6-8	0.640	-14,755 lbs		
	2-4	0.640	-14,755 lbs	5-6	0.508	-11,252 lbs	8-9	0.925	-15,796 lbs		
BC	9-10	0.968	15,445 lbs (-2,760 lbs)	10-11	0.823	13,418 lbs (-2,230 lbs)	11-12	0.823	13,418 lbs (-2,230 lbs)	12-1	0.968 15,445 lbs (-2,760 lbs)
	Web	2-12	0.648	-2,228 lbs	5-11	0.803	4,457 lbs (-925 lbs)	8-10	0.648	-2,228 lbs	
		4-12	0.558	1,296 lbs	6-11	0.783	-4,847 lbs				
		4-11	0.783	-4,847 lbs	6-10	0.558	1,296 lbs (-189 lbs)				

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 ISSUED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST. DESIGN VALID ONLY WHEN EAGLE METAL CONNECTORS ARE USED.

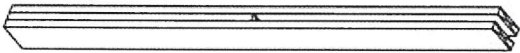
TrueBuild® Software v5.5.2.253
Eagle Metal Products
Dallas, TX 75234

Midwest Manufacturing							Truss: p50new JobName: PF STOCK Date: 02/16/17 12:22:55 Page: 2 of 2		
SPAN 50-0-0	PITCH 4 /12	QTY 1	OHL 0-0-0	OHR 0-0-0	CANT L 0-0-0	CANT R 0-0-0	PLYS 1	SPACING 96 in	WGT/PLY 389 lbs
<p>JSI 1 - 1.01, 2 - 0.89, 3 - 0.98, 4 - 0.91, 5 - 0.70, 6 - 0.91, 7 - 0.98, 8 - 0.89, 9 - 1.01, 10 - 0.95, 11 - 0.90, and 12 - 0.95</p> <p>Notes</p> <ol style="list-style-type: none"> 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer. 2) When this truss has been chosen for quality assurance inspection, the Double Polygon Method per TPI 1-2007/Chapter 3 shall be used. 3) The fabrication tolerance for this roof truss is 0 % (Cq = 1.00). 4) Building Designer shall verify self weight of the truss and other dead load materials do not exceed TC DL 4 psf. 5) Building Designer shall verify self weight of the truss and other dead load materials do not exceed BC DL 1 psf. 6) Design assumes minimum 2x_ (vertical orientation, visually graded) purlins attached to the TC at purlin spacing shown with at least 2-10d nails. 7) Brace bottom chord with approved sheathing or purlins per Bracing Summary. 8) Creep has been considered in the analysis of this truss. 9) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used. 10) ²⁵ Indicates lateral bracing required perpendicular to the plane of the truss at either the midpoint (one shown) or third points (two shown), bracing by others. See BCSI-B3 for additional information. 11) Listed wind uplift reactions based on MWFRS Only loading. 									
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 PRODUCT'S DESIGN NOTES ISSUED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST. DESIGN VALID ONLY WHEN EAGLE METAL CONNECTORS ARE USED.							TrueBuild® Software v5.5.2.253 Eagle Metal Products Dallas, TX 75234		



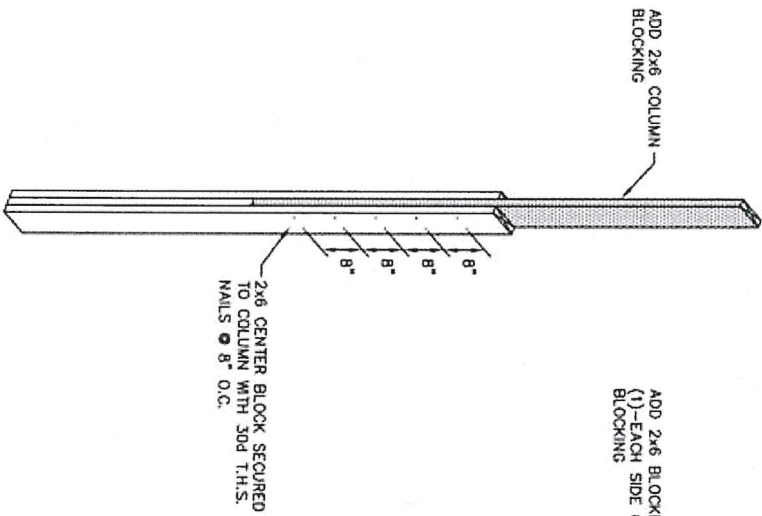
REMOVE CENTER BLOCK

STEP 1



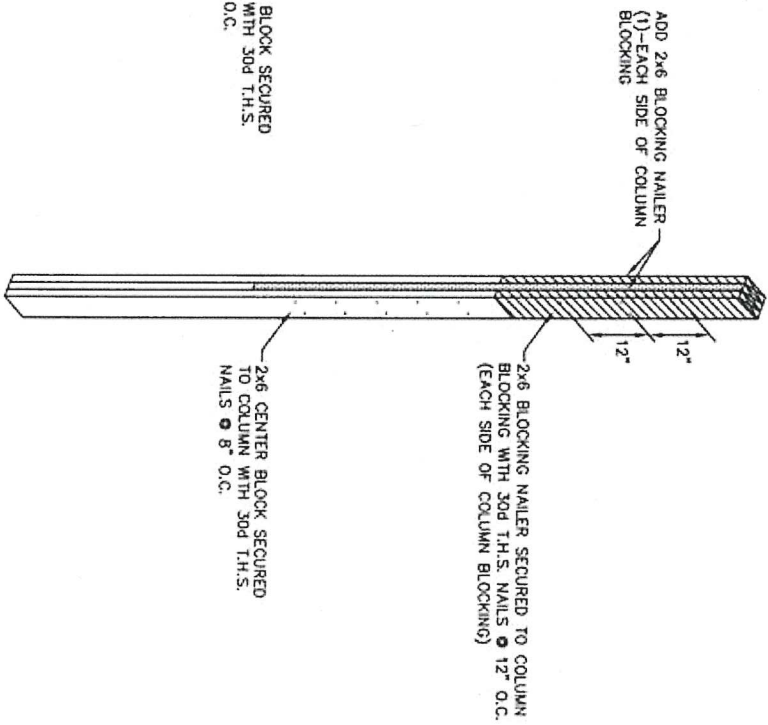
ADD CENTER BLOCK
NAILS @ 8" O.C.

STEP 2



ADD SIDE BLOCKING NAILERS
NAILS @ 12" O.C.

STEP 3

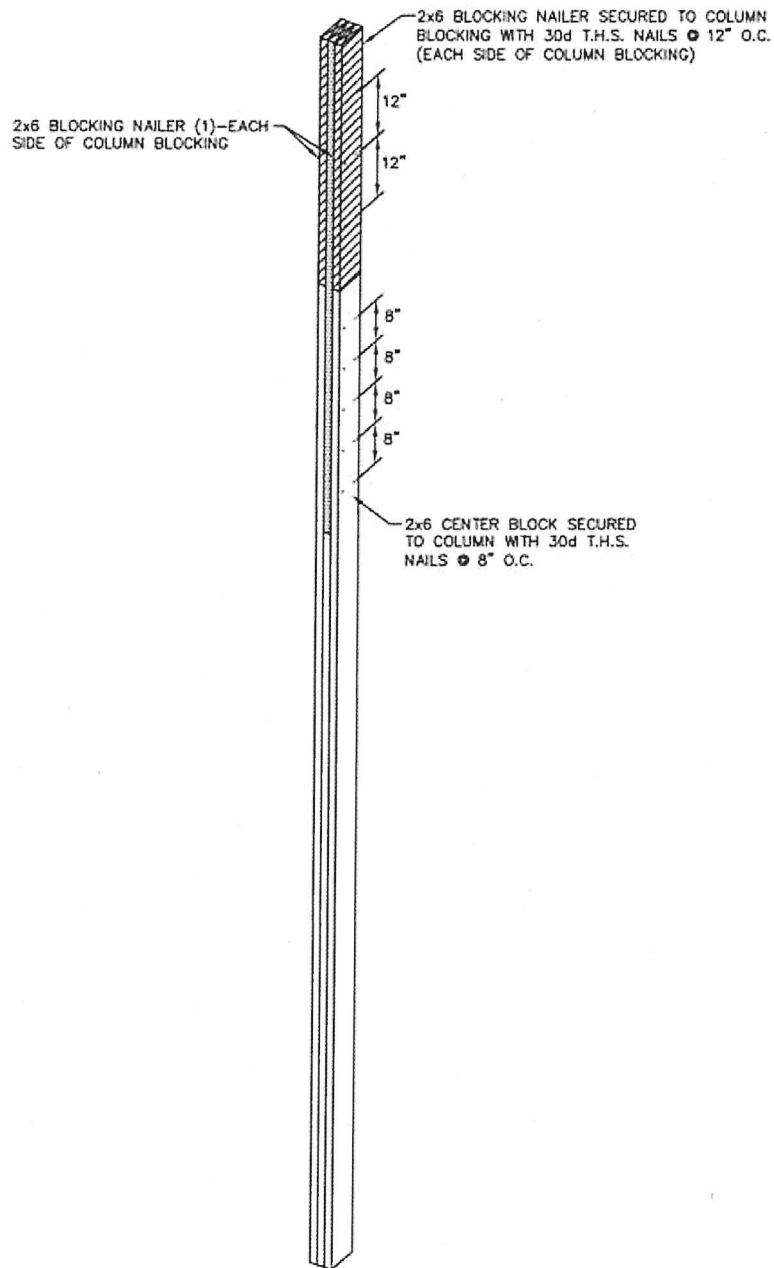


ENDWALL COLUMN BLOCKING

MM

ENGINEERING SERVICES

6001 KENNEBEC RD. NEW CLARE, VT 04760 (763) 878-0000



ENDWALL COLUMN BLOCKING DETAIL

ENDWALL COLUMN BLOCKING DETAIL



ENGINEERING SERVICES

5511 KANE RD. KAU CLAIRE, WI 54703 (715) 876-0600

Date: 04/11/2024 - 4:23 PM
Design Name: Post Frame Design
Design ID: 315952490641
System V Estimate ID: 38285

MENARDS
Design & Buy™
POST FRAME

Estimated price: \$33,310.48 *

*Today's estimated price, future pricing may go up or down. Tax, labor, and delivery not included.

How to recall and purchase a saved design at home



OR

1. On Menards.com, enter "Design & Buy" in the search bar
2. Select the Buildings Designer
3. Recall your design by entering Design ID: 315952490641
4. Follow the on-screen purchasing instructions

How to purchase at the store

1. Enter Design ID: 315952490641 at the Design-It Center Kiosk in the Building Materials Department
2. Follow the on-screen purchasing instructions.

FLOOR PLAN

