Post Frame

Date: 09/06/2024 - 2:24 PM Design Name: Post Frame Design Design ID: 312554729397

Estimated price: \$24,071.82 *

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



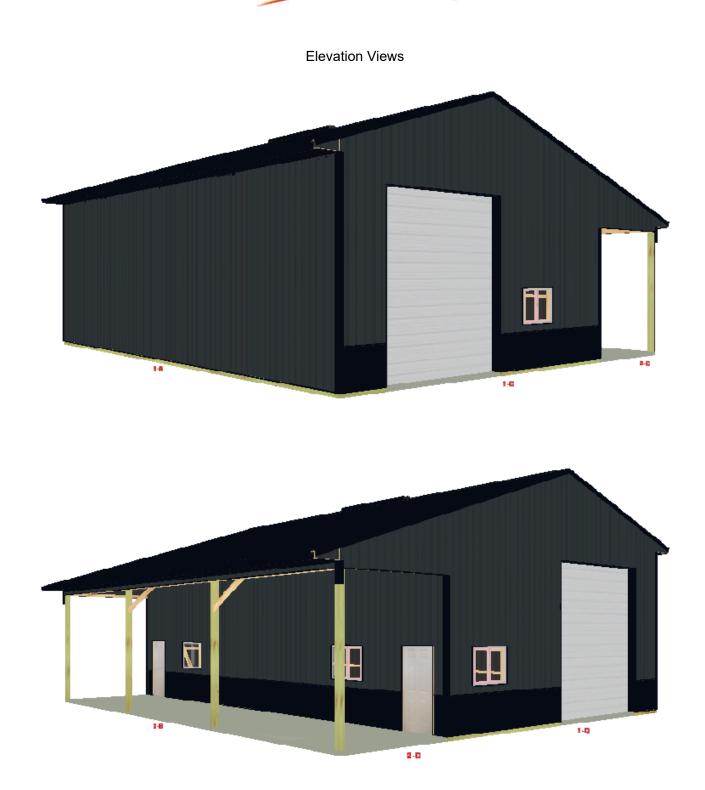
How to recall and purchase a saved design at home How to purchase at the store 1. Enter Design ID: 312554729397 at 1. On Menards.com, enter "Design & Buy" in the search the Design-It Center Kiosk in the bar **Building Materials Department** 2. Select the Buildings Designer 2. Follow the on-screen purchasing OR 3. Recall your design by entering Design ID: instructions. 312554729397 4. Follow the on-screen purchasing instructions FLOOR PLAN 7' 10 1/2" 7' 10 1/2" 1 1/2" $1 \frac{1}{2}$ 1-A 22' 22' 22' 22' 22' 22' 22' 3' 10 1/2" 3' 10 1/2" 24 OH 1 12' × 14' OH 2 12' × 14' 12 12' 30' 26 76 7 5 24 24' SV 2 SV 1 3'x6'8" 3'x6'8' 6' 10 1/2" 6' 10 1/2" 22' <mark>1-B</mark> 22' 22' 22' 22' 22 2-A 7' 10 1/2" 10 1/2" <u>0</u> 9' 10 1/2" 9' 10 1/2" 18' 7 18' 18 18 × × T 🗰 🗆 223 1 1/2" 1 1/2 15' 11 3/4" 15' 9 1/4' 16 48' Page 1 of 11 For other design systems search "Design & Buy" on Menards.com

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Post Frame

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Post Frame Building Estimate Date: Sep 6, 2024, 2:24:09 PM

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

ENARD

• 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:	30 ft
3. Length:	48 ft
4. Inside Clear Height:	16 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:	Midnight Gray
6. Trim Color:	Midnight Black
7. Wainscot Size:	36 in
8. Wainscot Color:	Midnight Black
9. Sidewall A Wainscot:	No
10. Sidewall B Wainscot:	Yes
11. Endwall D Wainscot:	Yes
12. Endwall C Wainscot:	Yes
13. Gable Accent:	No
14. Sidewall A Eave Light:	None
15. Sidewall B Eave Light:	None
16. Wall Fastener Location	In the Flat
17. Bottom Trim:	Yes
18. Gradeboard Type:	2x8 Treated Gradeboard

Interior Finish

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

Roof Information

Post Frame

1. Pitch:	4/12
2. Truss Spacing:	8 ft
3. Roof Type:	Pro-Rib
4. Roof Color:	Midnight Black
5. Ridge Options:	Universal Ridge Cap
6. Roof Fastener Location:	In the Flat
7. Endwall Overhangs:	0 ft
8. Sidewall Overhangs:	2 ft
9. Fascia Size:	6 in Fascia
10. Soffit Color:	Midnight Black
11. Skylight Size:	None
12. Ridge Vent Quantity:	1
13. Ridge Vent Color:	Midnight Black
14. Ceiling Liner Type:	None
15. Purlin Placement:	On Edge
16. Ceiling Insulation Type:	None

Accessories

1. Outside Closure Strip:	Economy Vented
2. Inside Closure Strip:	Standard
3. Gable Vent Type:	None
4. Cupola Size:	None
5. Gutters:	Yes
6. Gutters Color:	Midnight Black
7. End Cap:	No
8. Snow Guard:	No
9. Mini Print:	Hardcopy and E-mail





Leans

Building 2		
Attaching wall:	В	
Endwall overhang length:	0 ft	
Sidewall overhang length:	2 ft	
Add snow guards:	No	
Remove every other post:	Yes	
Length:	48 ft	
Depth:	10 ft	
Drop Distance From Roof: 0 ft		
Position From Left:	0 ft	
Approximate Clear Height:	11 ft 8 in	
Open interior wall:	No	
Open exterior walls:	Side And End Walls	
Remove every other interior wall post:	No	

Doors & Windows

Name	Size	Wall
Service Door	36"x80"	1-B
Service Door	36"x80"	1-B
Window	48"x36"	1-B
Window	48"x36"	1-B
Overhead Door	12' x 14'	1-C
Window	48"x36"	1-C
Overhead Door	12' x 14'	1-D
Window	48"x36"	1-D

Lean Open Walls

Wall	Every Other Post Removed
2-B	Yes
2-C	Yes

Post Frame

Lean Open Walls

Wall	Every Other Post Removed
2-D	Yes

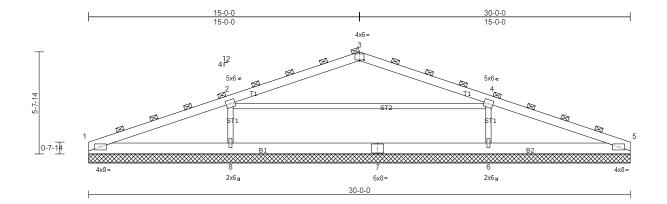
Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, heating, plumbing, and delivery are also NOT included in estimated price. This is an estimate. It is only for general 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.

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Page 6 of 11

Post Frame





Scale = 1:50

Plate Offsets (X, Y): [3:0-3-0,0-0-7] Loading Spacing 4-0-0 CSI DEFI in (loc) l/defl L/d PLATES GRIP (psf) Plate Grip DOL 1 15 999 197/144 TCLL (roof) 35.0 TC 0.88 Vert(II) n/a n/a MT20 Snow (Ps/Pg) 28.4/50.0 Lumber DOL 1.15 BC 0.52 Vert(TL) n/a n/a 999 TCDI 40 Rep Stress Incr NO WB 0.36 Horiz(TL) 0.03 5 n/a n/a IBC2018/TPI2014 BCLL 0.0 . Code Matrix-S BCDL 5.0 Weight: 167 lb FT = 15% LUMBER BRACING TOP CHORD BOT CHORD TOP CHORD BOT CHORD 2x6 SP No 1 2-0-0 oc purlins (5-1-5 max) 2x8 SPF No.2 2x4 SPF Stud *Except* ST2:2x4 SPF No.2 Structural wood sheathing directly applied or 10-0-0 oc bracing. OTHERS REACTIONS All bearings 30-0-0. IONS All bearings 30-0-0.
(lb) - Max Horiz 1=89 (LC 12) Max Uplift All uplift 100 (lb) or less at joint(s) except 1=-155 (LC 8), 5=-156 (LC 9), 6=-360 (LC 13), 8=-361 (LC 12), Max Grav All reactions 250 (lb) or less at joint(s) except 1=980 (LC 2), 5=980 (LC 2), 6=1745 (LC 17), 8=1745 (LC 16) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-1575/202, 2-3=-1612/306, 3-4=-1612/305, 4-5=-1575/201 1-8=-136/1328, 7-8=-136/1328, 6-7=-136/1328, 5-6=-136/1328 FORCES TOP CHORD BOT CHORD 2-8=-1457/379, 4-6=-1457/378 WEBS JOINT STRESS INDEX 1 = 0.75, 2 = 0.25, 2 = 0.59, 3 = 0.43, 4 = 0.25, 4 = 0.59, 5 = 0.75, 6 = 0.42, 7 = 0.69, 8 = 0.42, 9 = 0.59 and 10 = 0.59 NOTES Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=105mph (3-second gust) Vasd=83mph; TCDL=2.4psf; BCDL=0.6psf; h=25ft; Cat. I; 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 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 1) 2) 3) rous designed within a basis in the pair of the fuels of the fuels of the fuels of the fuels of the fuels, see standard industry date End Deale as applicable, of equilified building designer as per ANSI/TP1 1. TCLL: ASCE 7-16, Pr=35.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=50.0 psf; Ps=28.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=0.8; Rough Cat C; Fully Exp.; Ce=0.9; Cs=0.94; Cs=1.20; Unobstructed slippers surface Roof design snow load has been reduced to account for slope. 4) 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. 6) 7) Gable requires continuous bottom chord bearing. 8) Vertical gable studs spaced at 7-10-4 oc and horizontal gable studs spaced at 2-0-0 oc. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 10)

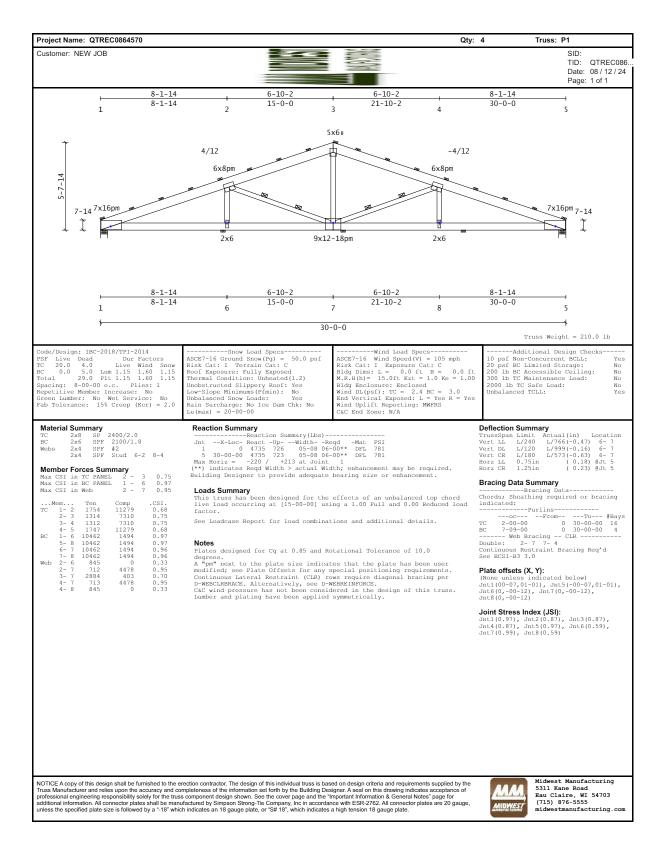
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 1, 155 lb uplift at joint 5, 360 lb uplift at joint 8 and 359 lb uplift at joint 6.

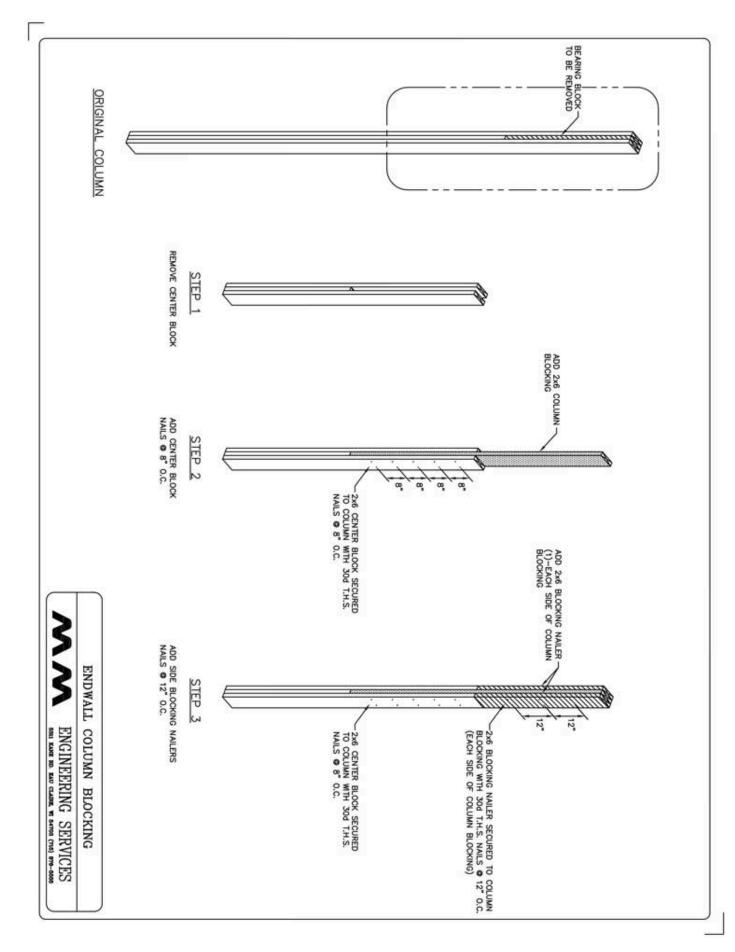
This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

5)

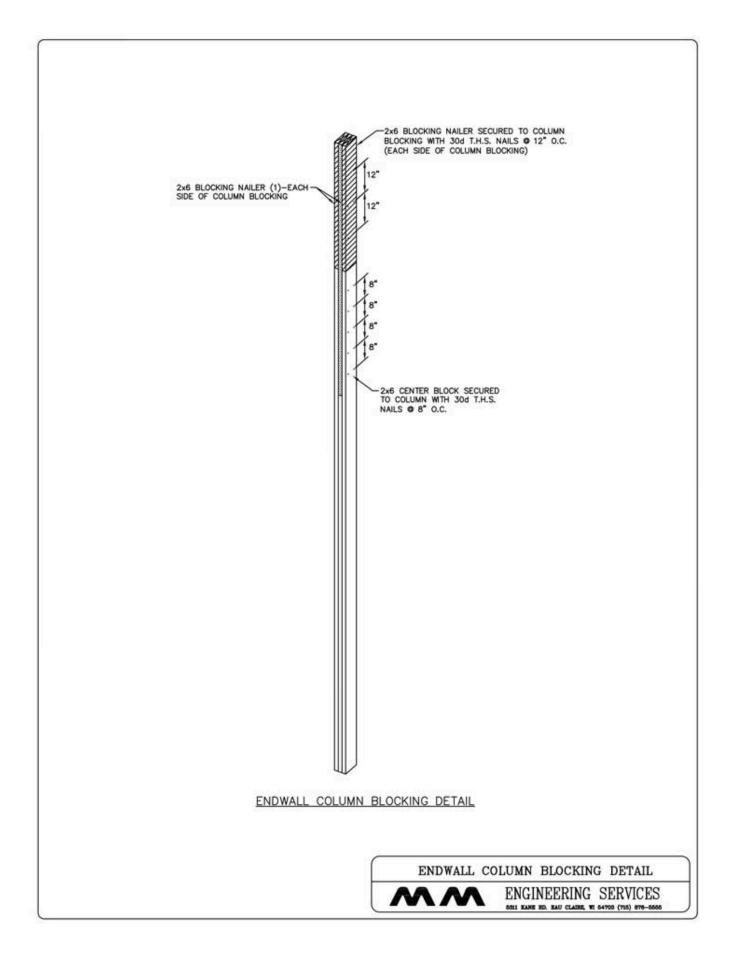
9)

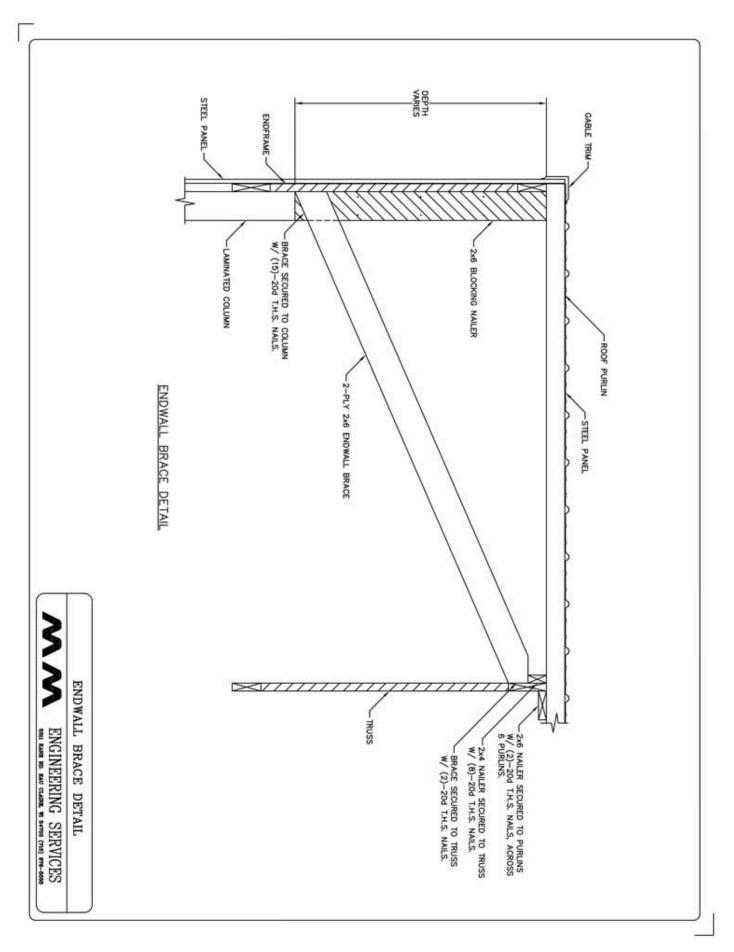




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Page 9 of 11





Page 11 of 11