

Date: 7/12/2024 - 2:57 PM

Design Name: Garage Design

Design ID: 316353361053

Estimated Price: \$0.00

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

MENARDS

Design & Buy™  
GARAGE

How to recall and purchase your design at home:



OR

1. On Menards.com, enter "Design & Buy" in the search bar
2. Select the Garage Designer
3. Recall your design by entering Design ID: 316353361053
4. Follow the on-screen purchasing instructions

How to purchase your design at the store:

1. Enter Design ID: 316353361053 at the Design-It Center Kiosk in the Building Materials Department
2. Follow the on-screen purchasing instructions



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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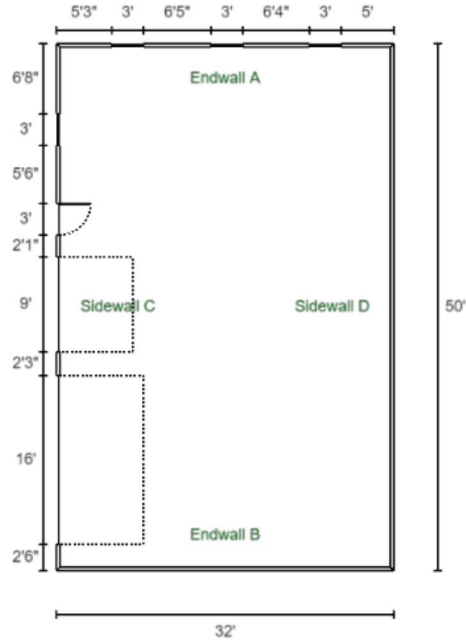
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### Garage Image



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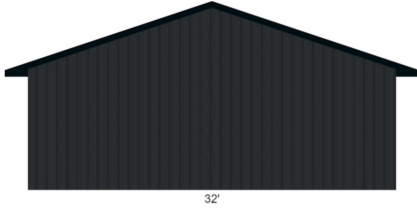
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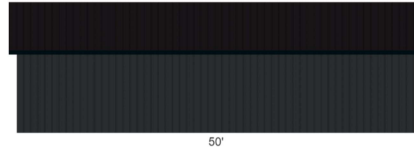
## Dimensions

### Wall Configurations

\*Some items like wainscot, gutter, gable accents, are not displayed if selected.



ENDWALL B



SIDEWALL D

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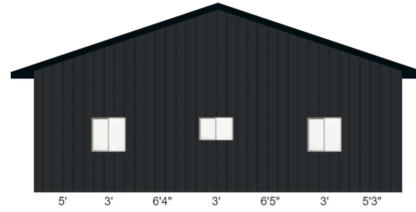
### SIDEWALL C

Mastercraft® 36W x 80H Primed Steel 6-Panel

16X8 White Raised Panel EZ Set Torsion Spring

9X7 White Raised Panel EZ Set Torsion Spring

36"W x 36"H JELD-WEN® Vinyl Slider



### ENDWALL A

36"W x 36"H JELD-WEN® Vinyl Slider

36"W x 36"H JELD-WEN® Vinyl Slider

36"W x 24"H JELD-WEN® Vinyl Slider

\*Note Steel panels are custom cut to the inch. The length needed for your project may be slightly different based final truss design and overhang framing. Please verify lengths and quantities prior to ordering materials. Note the steel for 10 and 12 foot buildings are based on 10 or 12 foot plate height.

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## Materials

### Building Type

Building Location Zip Code: 56431  
Building Type: Gable

### Building Info

Building Width: 32'  
Building Length: 50'  
Building Height: 10'  
Wall Framing Stud: 2 x 6  
Roof Framing: Truss Construction  
Truss Type: Common (24" on center spacing)  
Roof Pitch: 4/12 Pitch  
Eave Overhang: 24"  
Gable Overhang: 12"  
Curb: None  
Foundation Type: Thickened Slab  
Custom Garage Plan: No I do not need a custom building plan

### Wall Info

Siding Material Types: Through Fastener Steel Panel (Pro-Rib)  
Through Fastener Steel Siding: Cut to Length Pro-Rib® Steel Panel, Color: Midnight Black  
Steel Corner Trim Color: Midnight Black  
Accent Material Type: None  
Wainscot Material Type: Through Fastener Steel Panel (Pro-Rib)  
Through Fastener Steel Wainscot: Cut to Length Pro-Rib® Steel Panel, Color: Charcoal Black  
Wainscot Height: 40"  
Endwall A: Yes  
Endwall B: Yes  
Sidewall C: Yes  
Sidewall D: Yes  
Wall Sheathing: 1/2 x 4 x 8 OSB(Oriented Strand Board)  
House Wrap: Kimberly-Clark BLOCK-IT®9'x75'House Wrap  
Gable Vents: None

### Roof Info

Roof Sheathing: 1/2 x 4 x 8 OSB(Oriented Strand Board)  
Roofing Material Type: Through Fastener Steel Panel  
Through Fastener Steel Roofing: Cut to Length Pro-Rib® Steel Panel, Color: Charcoal Black  
SnowBar Trim: None  
Roof Underlayment: #30 Felt Roofing Underlayment 3' x 72' (216 sq. ft.)  
Ice and Water Barrier: Hydraguard Dual Pro High Temperature Ice & Water Barrier 39-3/8" x 61' (200 sq. ft.)  
Fascia Material Type: Steel Fascia  
Fascia: 12' Steel L-6 Fascia, Color: Midnight Black  
Soffit Material Type: Steel Soffit  
Soffit: Steel Vented Soffit Panel, Color: Midnight Black  
Gutter Material Type: None

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MENARDS®



**Openings**

Service Door:	Mastercraft® 36W x 80H Primed Steel 6-Panel
Overhead Door:	16X8 White Raised Panel EZ Set Torsion Spring
Additional Information:	M4SV EZ Set Torsion Spring
Overhead Door:	9X7 White Raised Panel EZ Set Torsion Spring
Additional Information:	M4SV EZ Set Torsion Spring
Overhead Door Trim Type:	Vinyl
Vinyl Trim Color:	White
Windows:	36"W x 36"H JELD-WEN® Vinyl Slider
Windows:	36"W x 36"H JELD-WEN® Vinyl Slider
Windows:	36"W x 36"H JELD-WEN® Vinyl Slider
Windows:	36"W x 24"H JELD-WEN® Vinyl Slider

**Additional Options**

Ceiling Insulation:	None
Wall Insulation:	None
Ceiling Finish:	None
Wall Finish:	None
Mounting Blocks:	No
Hydronic Radiant Heat:	None
Anchor bolt:	Grip Fast® 1/2 x 10 HDG Anchor Bolt w/ Nut & Washer
	Grip Fast® 3-1/4 16D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box
Framing Fasteners:	Grip Fast® 2-1/2 8D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box
Sheathing Fasteners:	FastenMaster® TimberLOK® 5/16 x 6 Hex Drive Black Hex Head
Truss Fastener:	Timber Screw - 50 Count
Overhead Opening Hardware:	No

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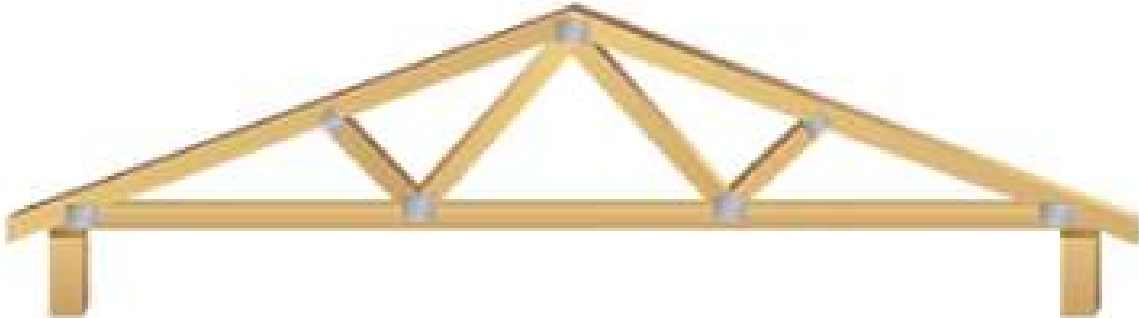
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## Helpful Hints for Garage Construction

- Studs are estimated 16 inches on center with single treated bottom plate and double top plate.
- For 10- and 12-foot-tall buildings studs should be cut for an approximate 10- or 12-foot plate height.
- If steel is estimated (Pro-Rib or Pro-Snap), the steel lengths should be verified based off the actual framing. Plate height (stud length), truss heel and other framing should be confirmed. Steel is estimated to the inch, make sure the lengths are accurate based on final overall building design.
- Trusses included are estimated at 2 feet on center spacing. The design is based on the zip code provided, design and loading should be verified.
- Trusses should not be cut or modified with the exception of trimming the truss tails to the correct overhang.
- The bottom chord is designed to support standard ceiling and insulation materials.
- Dropped end trusses are estimated with 18 inch and 24 inch gable overhangs.



## Menards Building Checklist Planning

- Get a permit. Check restrictions, building codes or local zoning to make sure your design complies with all requirements.
- Contact local utilities to ensure construction will not disturb any electrical, cable or plumbing.
- If necessary, hire a professional to help with planning and construction.
- Consider site conditions including soil type, grade, and runoff before finalizing your design.
- Material estimates provided can be changed to meet your needs.
- Menards offers professional delivery of materials. Delivery is extra based on the distance from your local Menards store to your building site.
- Practice good safety habits, use PPE including eye protection & dust masks during construction.
- Make sure to follow good building practice and all manufacturer's instructions. Use all the hardware and fasteners recommended.

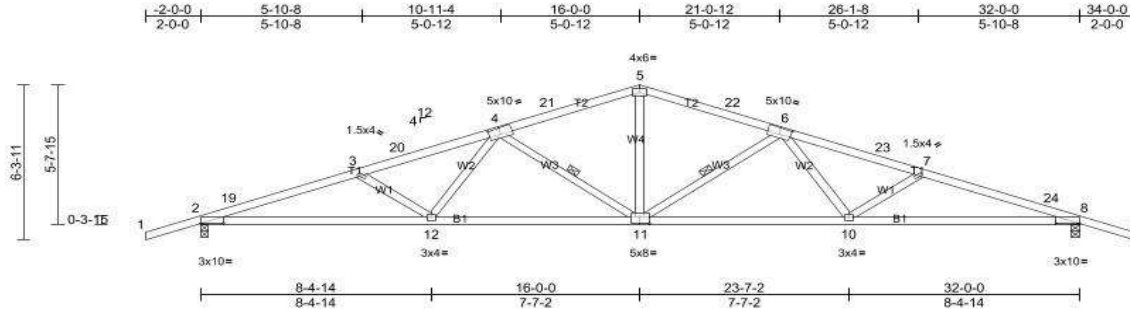
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Job QTREC0855092	Truss T1	Truss Type COMMON	Qty 19	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI Run: 8.8 S 0 Feb 12 2024 Print: 8.800 S Feb 12 2024 M/Tek Industries, Inc. Mon Jun 24 10:48:50 Page: 1  
 ID: 8H1V6f1abvA3oRvoMv5B2bz35P7-Nh7KZAEQip5BHFx9Wqt5vUYw8JouLHmBuwz35OR



Scale = 1:62

Plate Offsets (X, Y): [2.0-10.4,0-0-6], [4.0-5.0,0-3-0], [6.0-5.0,0-3-0], [8.0-10.4,0-0-6], [11.0-4.0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	42.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.45	10-11	>858	240	MT20	197/144
Snow (Ps/Pg)	41.6/60.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.66	11-12	>584	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.19	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0											

Weight: 116 lb FT = 15%

**LUMBER**

TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 SPF Stud

**BRACING**

TOP CHORD  
 BOT CHORD  
 WEBS

Structural wood sheathing directly applied or 1-10-6 oc purfins.  
 Rigid ceiling directly applied or 10-0-0 oc purfins.  
 1 Row at midpt 4-11, 6-11

**REACTIONS**

(lb/size) 2=2069/0-3-8, (min. 0-3-5), 8=2069/0-3-8, (min. 0-3-5)  
 Max Horiz 2=74 (LC 15)  
 Max Uplift 2=154 (LC 10), 8=154 (LC 11)  
 Max Grav 2=2100 (LC 21), 8=2100 (LC 22)

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

**FORCES**

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-19=-4911/322, 3-19=-4896/335, 3-20=-4390/280, 4-20=-4302/289, 4-21=-3058/260, 5-21=-2973/272, 5-22=-2973/272  
 6-22=-3058/260, 6-23=-4302/289, 7-23=-4390/280, 7-24=-4896/335, 8-24=-4912/322  
 BOT CHORD 2-12=-243/4596, 11-12=-189/3721, 10-11=-189/3721, 8-10=-243/4596  
 WEBS 3-12=-634/127, 4-12=0/641, 4-11=-1428/138, 5-11=-53/1418, 6-11=-1428/138, 6-10=0/641, 7-10=-634/127

**JOINT STRESS INDEX**

2 = 0.83, 3 = 0.51, 4 = 0.85, 5 = 0.84, 6 = 0.85, 7 = 0.51, 8 = 0.83, 10 = 0.62, 11 = 0.95 and 12 = 0.62

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCFL=4.2psf; BCFL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -2-0-0 to 1-2-6, Interior (I1) 1-2-6 to 12-9-10, Exterior(2R) 12-9-10 to 19-2-6, Interior (I1) 19-2-6 to 30-9-10, Exterior(2E) 30-9-10 to 34-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=42.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=60.0 psf; Ps=41.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Roof design snow load has been reduced to account for slope.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 41.6 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2 and 154 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.

**LOAD CASE(S)**

Standard

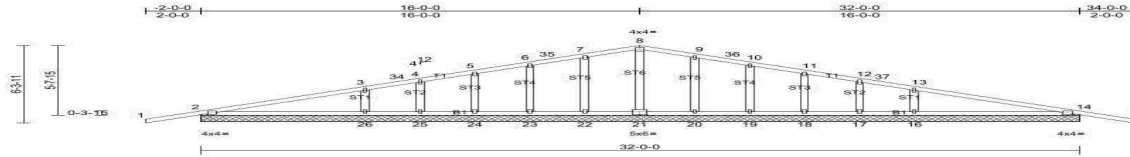


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Table with columns: Job (QTREC0783338), Truss (C11132), Truss Type (COMMON), Qty (1), Ply (1), Job Reference (optional). Includes Midwest Manufacturing, Eau Claire, WI and software version info.



Scale = 1:62

Plate Offsets (X, Y): [2-0-3-2,Edge], [14-0-3-2,Edge], [21-0-3-0,0-3-0]

Table with columns: Loading (psf), Spacing (Plate Grip DOL, Lumber DOL, Res Stress Incr, Code), CSI (TC, BC, WB, Matrix-MS), DEFL (in (loc), Vert(L), Vert(C), Pres(C)), PLATES (MT20), GRIP (19/7/44). Weight: 121 lb FT = 15%

Table with columns: LUMBER (TOP CHORD, BOT CHORD, OTHERS), BRACING (TOP CHORD, BOT CHORD). Includes material specifications like 2x4 SPF No.2.

RECTIONS: All bearings 32-0-0. (b) - Max Horiz: 2=74 (LC 18), 27=74 (LC 18). Max Uplift: All uplift 100 (lb) or less at joint(s) 2, 14, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 31.

FORCES: (b) - Max Comp./Max. Tens. - All forces 250 (lb) or less except when shown: 7-22=325/85, 6-23=267/49, 5-24=344/53, 3-20=536/106, 9-20=325/86, 10-19=267/49, 11-18=344/53, 13-10=335/105.

JOINT STRESS INDEX: 2 = 0.84, 3 = 0.51, 4 = 0.51, 5 = 0.51, 6 = 0.51, 7 = 0.51, 8 = 0.33, 9 = 0.51, 10 = 0.51, 11 = 0.51, 12 = 0.51, 13 = 0.51, 14 = 0.84, 16 = 0.51, 17 = 0.51, 18 = 0.51, 19 = 0.51, 20 = 0.51, 21 = 0.22, 22 = 0.51, 23 = 0.51, 24 = 0.51, 25 = 0.51 and 26 = 0.51

- NOTES: 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16, Vel=115mph (3-second gust), Vmax=135mph, TCDF=4.2psf, h=25ft, Cat. II, Exp. B, Enclosed, MWRFES (envelopes) exterior zone and C-C, Corner(3E) 2-0-0 to 1-2-6, Exterior(2N) 1-2-6 to 12-9-10, Corner(3R) 12-9-10 to 18-2-6, Exterior(2N) 18-2-6 to 30-9-10, Corner(3E) 30-9-10 to 34-0-0 zone; cantilever left and right exposed; and vertical left and right exposed; S-C for members and forces & MWRFES for reactions shown; Lumber DOL=1.55 plate grip DOL=1.65. 3) 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. 4) TCFL: ASCE 7-16; Pr=42.0 psf (roof LL; Lum DOL=1.15 Plate DOL=1.15); Pg=60.0 psf; Ps=41.6 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Gend 0; Cst=1.0; Cst=1.0. 5) Roof design snow load has been reduced to account for slope. 6) Unbalanced snow loads have been considered for this design. 7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 41.6 psf on overhangs non-concurrent with other live loads. 8) All plates are 1/8" MT20 unless otherwise indicated. 9) Gable requires continuous bottom chord bearings. 10) Gable studs spaced at 2-0-0 oc. 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 12) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Continued on page 2.

Table with columns: Job (QTREC0783338), Truss (C11132), Truss Type (COMMON), Qty (1), Ply (1), Job Reference (optional). Includes Midwest Manufacturing, Eau Claire, WI and software version info.

- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint(s) 2, 14, 22, 23, 24, 25, 26, 20, 19, 16, 17, 16, 2, 14. 14) This truss is designed in accordance with the 2018 International Residential Code sections R302.3.1.1 and R302.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard