

Design Name: Cabin Garage 1
Design ID: 313757112764

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

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: 313757112764
4. Follow the on-screen purchasing instructions

How to purchase your design at the store:

1. Enter Design ID: 313757112764 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.

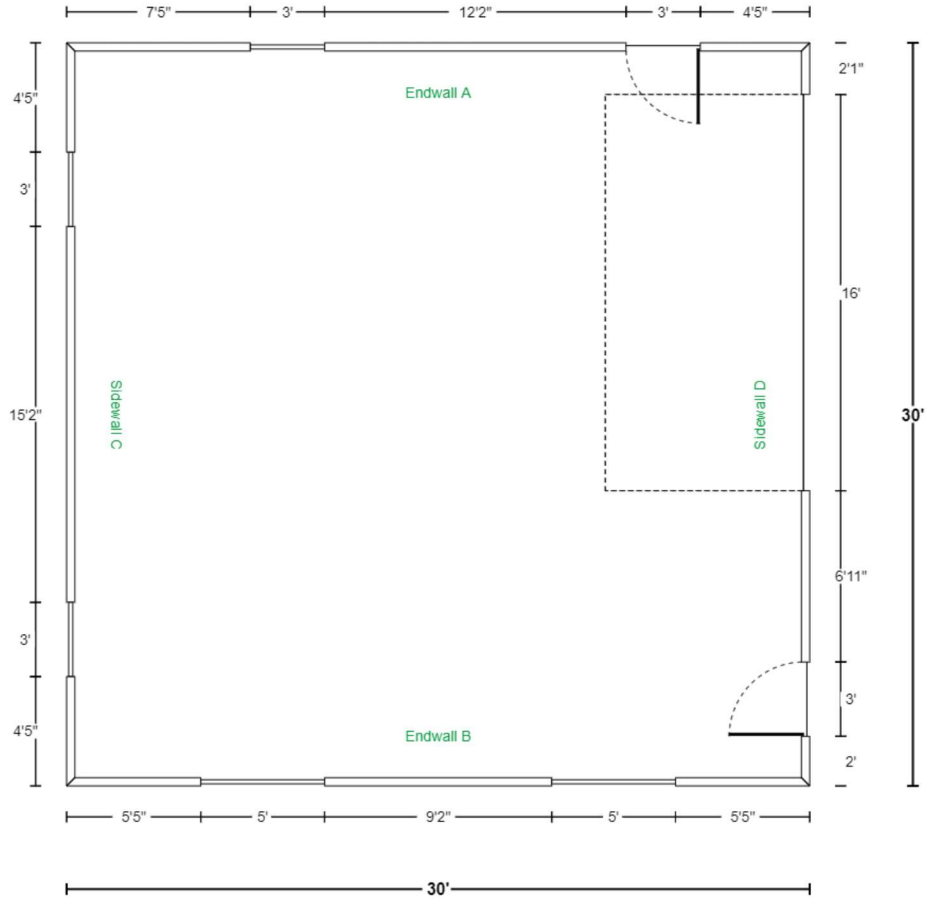
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Dimensions

Wall Configurations

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



ENDWALL B

60"W x 48"H JELD-WEN® Vinyl Slider

60"W x 48"H JELD-WEN® Vinyl Slider



SIDEWALL D

Mastercraft® 36W x 80H Primed Steel Half Lite

Ideal Door® Designer 16' x 8' White Insulated

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SIDEWALL C

36"W x 24"H JELD-WEN® Vinyl Slider

36"W x 24"H JELD-WEN® Vinyl Slider



ENDWALL A

Mastercraft® 36W x 80H Primed Steel External Sunburst Lite

36"W x 24"H JELD-WEN® Vinyl Slider

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Design & Buy™
GARAGE

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Midwest Manufacturing Address 1 Address 2 City, State Zip							Truss: C61230 JobName: RESSTOCK Date: 02/22/17 09:28:40 Page: 1 of 1			
SPAN 30-0-0	PITCH 6/12	QTY 1	OHL 2-0-0	OHR 2-0-0	CANT L 0-0-0	CANT R 0-0-0	PLYS 1	SPACING 24 in	WGT/PLY 96 lbs	

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TCLL: 42 Snow (Ps/Ftg): 42/60 TCDL: 10 BCLL: 0 BCDL: 10	Bldg Code: IRC 2015/ TFT 1-2007 Rep Mbr Increase: Yes Lumber D.O.L.: 115 %	TC: 0.83 (2-3) BC: 0.75 (8-1) Web: 0.69 (3-6)	Vert TL: 0.52 in Vert LL: 0.22 in Horz TL: 0.11 in	L/675 L/999	(6-7) (5-6) 5	L/180 L/240

Reaction Summary									
JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	1	3.5 in	3.24 in	2,068 lbs	.	.	-319 lbs	-319 lbs	-30 lbs
5	1	3.5 in	3.24 in	2,068 lbs	.	.	-319 lbs	-319 lbs	.

Material Summary			Bracing Summary		
TC	SFP 2100/1.8	2 x 4	TC Bracing:	Sheathed or Purlins at 3-6-0, Purlin design by Others.	
BC	SFP 1650/1.5	2 x 4	BC Bracing:	Sheathed or Purlins at 10-0-0, Purlin design by Others.	
Web	SFP Stud	2 x 3			

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: 60 psf ground snow load, Terrain Category B, Exposure Category Fully Exposed (Ce = 0.9), Risk Category II (I = 1.00), Thermal Condition Cold ventilated (Ct = 1.1), DOL = 1.15. Unventilated. 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: 115 mph (Factored), Exposure B, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims: 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60

3) Minimum storage attic loading has been applied in accordance with IRC 301.5

Member Forces Summary														
Table indicates: Member ID, max CSI max axial force, (max compr. force if different from max axial force). Only forces greater than 300lbs are shown in this table.														
TC	1-2	0.790	-3,284 lbs	3-4	0.831	-2,867 lbs								
	2-3	0.831	-2,867 lbs	4-5	0.790	-3,284 lbs								
BC	5-6	0.745	2,806 lbs	(-181 lbs)	6-8	0.652	1,875 lbs	(-13 lbs)	8-1	0.745	2,806 lbs	(-181 lbs)		
Web	2-8	0.602	-901 lbs	3-8	0.693	1,151 lbs	(-85 lbs)	3-6	0.693	1,151 lbs	(-85 lbs)	4-6	0.602	-901 lbs

JSI Summary
 1 = 0.99, 2 = 0.58, 3 = 0.98, 4 = 0.58, 5 = 0.99, 6 = 0.93, 7 = 0.95, and 8 = 0.93

Notes

- Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- When this truss has been chosen for quality assurance inspection, the Double Polygon Method per TPI 1-2007/Chapter 3 shall be used.
- The fabrication tolerance for this roof truss is 0 % (Cq = 1.00).
- Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- Creep has been considered in the analysis of this truss.
- Listed wind uplift reactions based on MWFRS & C&C 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.	TrueBuild® Software v5.5.2.240 Eagle Metal Products Dallas, TX 75234
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Design & Buy™

GARAGE

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Midwest Manufacturing Address 1 Address 2 City, State Zip							Truss: C61230E JobName: RES STOCK ENDS Date: 02/22/17 10:48:45 Page: 1 of 1			
SPAN 30-0-0	PITCH 6/12	QTY 1	OHL 2-0-0	OHR 2-0-0	CANT L 0-0-0	CANT R 0-0-0	PLYS 1	SPACING 24 in	WGT/PLY 133 lbs	

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI Summary	Deflection	L/	(loc)	Allowed
TCLL: 42 Snow/Ps/Pgt: 42/60 TCDL: 10 BCLL: 0 BCDL: 10	Bldg Code: IRC 2012/ TFT 1-2007 Rep Mbr Increase: No Lumber D.O.L.: 115 %	TC: 0.79 (15-31) BC: 0.05 (16-17) Web: 0.29 (7-24)	Vert TL: 0 in Vert LL: 0 in Horz TL: 0 in	L/999 L/999	16 16	L/180 L/240

Reaction Summary							
Brg Combo	Brg Width	Max React	Ave React	Max Crav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift
1		580 lbs	165 psf	-101 lbs	-8 lbs	-114 lbs	-114 lbs
							221 lbs

Material Summary		Bracing Summary	
TC	SFF #2 2 x 4	TC Bracing:	Sheathed or Purlins at 6-3-0, Purlin design by Others.
BC	SFF #2 2 x 4	BC Bracing:	Sheathed or Purlins at 10-0-0, Purlin design by Others.
Webs	SFF Stud 2 x 4		
8-23	SFF #2 2 x 4		

Loads Summary

- 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: 60 psf ground snow load, Terrain Category B, Exposure Category Fully Exposed (Ce = 0.9), Risk Category II (I = 1.00), Thermal Condition Cold ventilated (Ct = 1.1), DOL = 1.15. Ventilated. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- This truss has been designed to account for the effects of ice dams forming at the eaves.
- This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 115 mph (Factored), Exposure B, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60

Member Forces Summary			
Table indicates: Member ID, max CSI max axial force, (max compr. force if different from max axial force). Only forces greater than 300lbs are shown in this table.			
TC	BC	Web	Chord
		6-25	0.206
		7-24	0.285
		9-21	0.285
		10-20	0.206

JSI Summary

1 = 0.38, 2 = 0.73, 3 = 0.53, 4 = 0.53, 5 = 0.53, 6 = 0.53, 7 = 0.53, 8 = 0.24, 9 = 0.53, 10 = 0.53, 11 = 0.53, 12 = 0.53, 13 = 0.53, 14 = 0.73, 15 = 0.38, 16 = 0.79, 17 = 0.57, 18 = 0.57, 19 = 0.57, 20 = 0.57, 21 = 0.57, 22 = 0.37, 23 = 0.51, 24 = 0.57, 25 = 0

Notes

- Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- Gable requires continuous bottom chord bearing.
- Gable webs placed at 24" OC, U.N.O.
- Attach gable webs with 1x4 20ga plates, U.N.O.
- Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- When this truss has been chosen for quality assurance inspection, the Double Polygon Method per TPI 1-2007/Chapter 3 shall be used.
- The fabrication tolerance for this roof truss is 10% (Cq = 0.90).
- Cresp has been considered in the analysis of this truss.
- Due to negative reactions in gravity load cases, special connections to the bearing surface at joints 16, 29 may need to be considered.
- Listed wind uplift reactions based on MWFRS & C&C 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.	TrueBuild® Software v5.5.2.240 Eagle Metal Products Dallas, TX 75234
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