Date: 5/01/2025 - 8:02 PM
Design ID: 310157917452
Estimated Price: $11,956.29

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

MENARDS® Design&Buy™ GARAGE

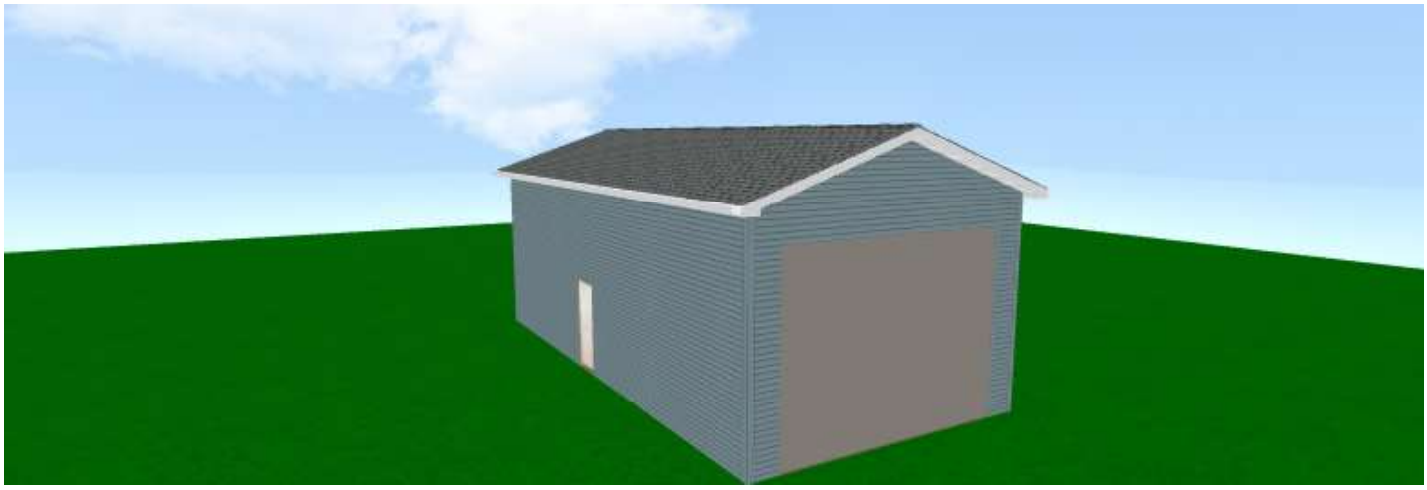
How to recall and purchase your design at home:

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: 310157917452
4. Follow the on-screen purchasing instructions

How to purchase your design at the store:

1. Enter Design ID: 310157917452 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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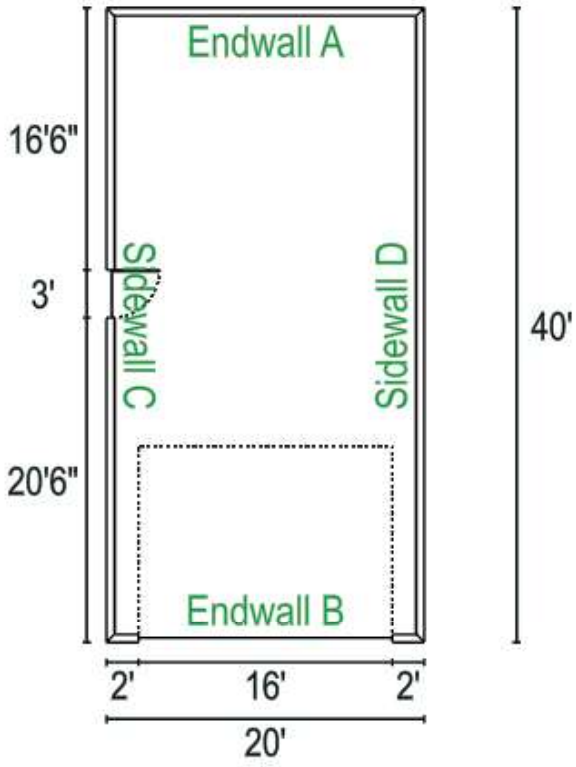
Garage Image



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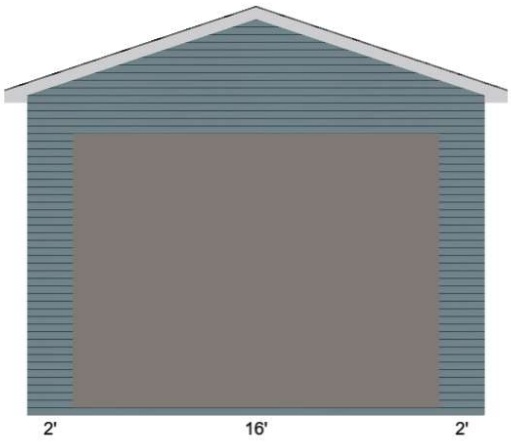
Dimensions

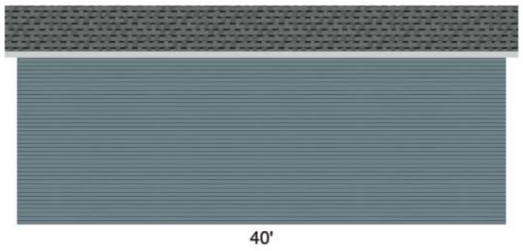
Wall Configurations

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



ENDWALL B

16' x 12' framed opening



SIDEWALL D

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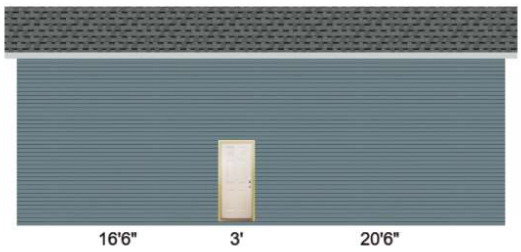
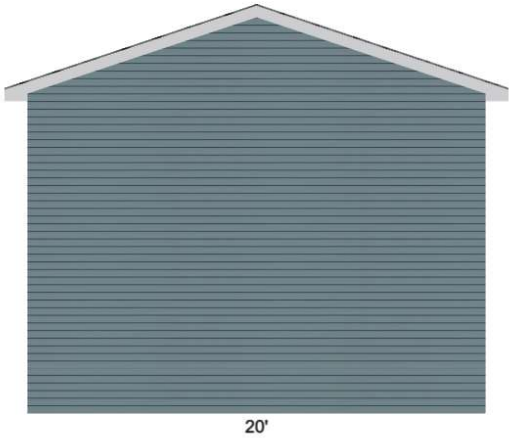


SIDEWALL C

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



ENDWALL A

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MENARDS® Design&Buy™ GARAGE

Materials

Building Type

Building Location Zip Code:	49534
Building Type:	Gable

Building Info

Building Width:	20'
Building Length:	40'
Building Height:	13'
Floor Type:	Dirt/Gravel
Wall Posts:	6 x 6
Roof Pitch:	4/12 Pitch
Eave Overhang:	12"
Gable Overhang:	12"
Girt Size:	2x4 Girt
Footing Size:	4" x 14"
Building Plan:	Yes I need a Building Plan

Wall Info

Siding Material Types:	Vinyl
Vinyl Siding:	ABTCO® Cedar Creek™ Double 4, Color: Slate Blue
Vinyl Corner Trim Color:	Slate Blue
Accent Material Type:	None
Wainscot Material Type:	None
Wall Sheathing:	7/16 x 4 x 8 OSB(Oriented Strand Board)
Gradeboard:	2x8 Treated Gradeboard
House Wrap:	Kimberly-Clark BLOCK-IT®9'x75'House Wrap None
Gable Vents:	

Roof Info

Roof Sheathing:	1/2 x 4 x 8 OSB(Oriented Strand Board) Architectural
Roofing Material Type:	Shingle

For other design systems search "Design & Buy" on Menards.com

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Architectural Roofing:	Atlas Castlebrook™ Limited Lifetime Warranty Architectural Shingles (32.8 sq. ft.), Color: Dove Gray
Roof Underlayment:	VB Shield Synthetic Roofing Underlayment 48" x 250' (1000 sq. ft.)
Ice and Water Barrier:	None
Fascia Material Type:	Textured Aluminum Fascia
Fascia:	6" x 12' Aluminum Rustic Fascia, Color: White
Soffit Material Type:	Aluminum Soffit
Soffit:	16" x 12' Aluminum Vented Soffit, Color: White
Gutter Material Type:	Vinyl
Gutter:	KP K-Snap® 4-1/2" x 10' Gutter
Ridge Vent:	Air Vent Attic Aire 14" x 20' Filtered Shingle-Over Ridge Vent With Nails
Roof Vents:	None

Openings

Service Door:	Mastercraft® 36W x 80H Primed Steel 6-Panel
Framed Opening:	16' x 12' framed opening
Framed Opening Trim Type:	Vinyl
Vinyl Trim Color:	White

Additional Options

Ceiling Insulation:	None
Wall Insulation:	None
Ceiling Finish:	None
Wall Finish:	None
Mounting Blocks:	No
Hydronic Radiant Heat:	No
Sheathing Fasteners:	Grip Fast® 2-3/8 x .113 30-34° Paper Bright Ring Shank Clipped Head Framing Nail - 2,500 Count
Roofing/Shingle Fasteners:	Grip Fast® 1-1/4 Electro-Galvanized Coil Roofing Nails - 7,200 Count
Truss Fastener:	MiTek® 6-1/2 x 1-1/2 Triple Zinc Hurricane/Seismic Anchor Double Plate

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MENARDS® Design&Buy™ GARAGE

Helpful Hints for Garage Construction

- Posts are estimated at 8 feet on center maximum with a continuous header system to support the trusses.
- When the building length is not divisible by 8, a combination of posts 8, 6, or 4 feet on center spacing are estimated. For example, a 32-foot building will have posts evenly spaced at 8 feet on center. A 30-foot building will have 3 “bays” with posts at 8 feet and one “bay” with a 6-foot space between posts.
- Continuous headers are calculated based on the 8 feet on center span. Door opening headers are based on the door opening size.
- If steel is estimated (Pro-Rib or Pro-Snap), the steel lengths should be verified based off the actual framing. Plate height, 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.
- Dropped end trusses are estimated with 18 inch and 24 inch gable overhangs.

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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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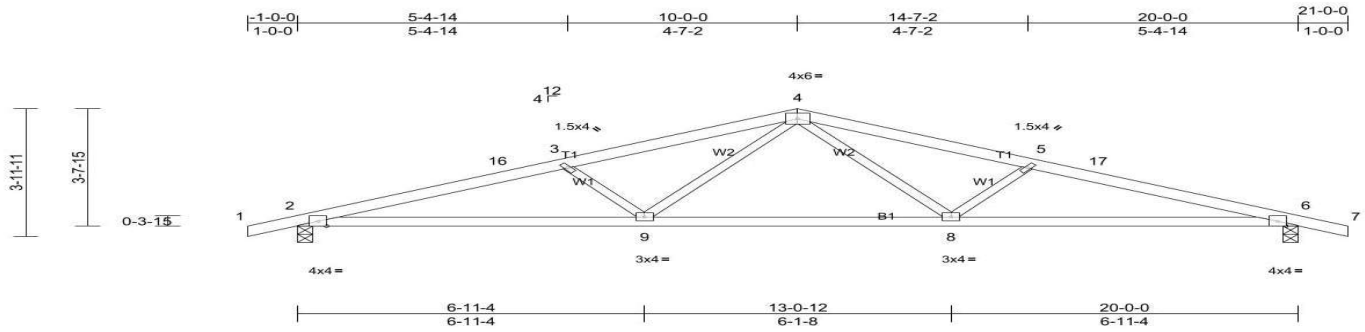
Job	Truss	Truss Type	Qty	Ply	
QTREC0793981	T1	COMMON	15	1	Job Reference (optional)

Midwest Manufacturing, Eau Claire, WI — Run: 8.61 S Aug 11 2022 Print: 8.610 S Aug 11 2022 MiTek Industries, Inc. Wed Jun 28 08:43:36 — Page: 1
ID:IX0P7Ue79Rt OZINE8Zt6Ez1osU-bP vkW8rV229pswF8FoVHtbUO?qFG0tB5qvrQyz1orr



Scale = 1:41.9

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	0.53	Vert(LL)	-0.17	8-9	>999	240	MT20	197/144
Snow (Ps/Pg)	41.6/60.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.25	8-15	>956	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 60 lb	FT = 15%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1269/0-3-8, (min. 0-2-0), 6=1269/0-3-8, (min. 0-2-0)
Max Horiz 2=-48 (LC 19)
Max Uplift 2=-104 (LC 10), 6=-104 (LC 11)
Max Grav 2=1278 (LC 2), 6=1278 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2804/320, 3-16=-2693/326, 3-4=-2458/280, 4-5=-2458/280, 5-17=-2693/326, 6-17=-2804/320
BOT CHORD 2-9=-253/2621, 8-9=-127/1761, 6-8=-253/2621
WEBS 3-9=-675/144, 4-9=-43/867, 4-8=-43/867, 5-8=-675/144

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 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
3) TCLL: ASCE 7-10; Pr=42.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=60.0 psf (ground snow); Ps=41.6 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) 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.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 2 and 104 lb uplift at joint 6.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R002.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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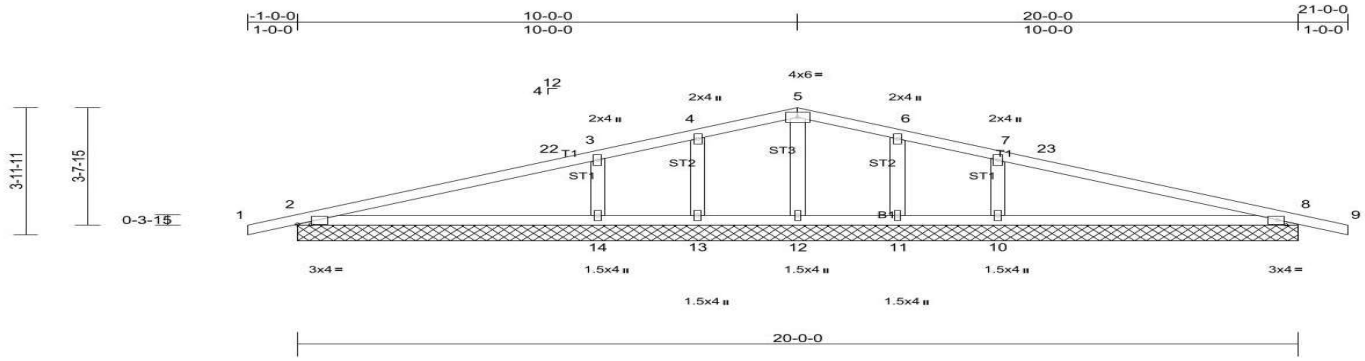
Job	Truss	Truss Type	Qty	Ply	
QTREC0901830	T1E	COMMON	1	1	Job Reference (optional)

Midwest Manufacturing, Eau Claire, WI — Run: 8.8 S 0 Feb 12 2024 Print: 8.800 S Feb 12 2024 MiTek Industries, Inc. Mon Apr 21 11:33:51 Page: 1
ID:bxXc?XCAQwD1bseqU6tqhZzOVrj-JCnWx0Mm26BYVSP4ZZ461bk9lYpeD FODCFx?lzOVqE



Scale = 1:41.9

Plate Offsets (X, Y): [2:0-3-4,Edge], [8:0-3-4,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Ps/Pg)	27.7/40.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	19	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 63 lb	FT = 15%

LUMBER
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS All bearings 20-0-0.
(lb) - Max Horiz 2=-48 (LC 15), 15=-48 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 10, 11, 13, 14, 15, 19
Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13 except 2=326 (LC 2), 8=326 (LC 2), 10=613 (LC 22), 14=613 (LC 21), 15=326 (LC 2), 19=326 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-14=-426/136, 7-10=-426/136

JOINT STRESS INDEX
2 = 0.84, 3 = 0.38, 4 = 0.38, 5 = 0.26, 6 = 0.38, 7 = 0.38, 8 = 0.84, 10 = 0.51, 11 = 0.51, 12 = 0.51, 13 = 0.51 and 14 = 0.51

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 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
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) TCLL: ASCE 7-10; Pr=30.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Ps=27.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
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 27.7 psf on overhangs non-concurrent with other live loads.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10, 2, 8.

LOAD CASE(S) Standard