Total Price:	$537.89
Mail-In Rebate:	$59.17
Final Price:	$478.72

Design Id: 326857540439
Design Name: Studio
Estimate Zip Code: 55331

*Today's estimated price, future pricing may go up or down. Tax, labor, and delivery not included. Lumber, Plating, and Webbing are subject to change after order unless specifically requested otherwise through Truss Design - Truss will still meet all loading and local code requirements as requested

Family:	Dropped End
SKU:	1004547
Span:	12'
Left Overhang:	0
Right Overhang:	0
Pitch:	5/12
Heel:	8-3/16"
Wind Load:	115

Quantity:	2
Price Each:	$55.51
Subtotal:	$111.02

Print Spec Sheets
Remove
Edit

Family:	Common
SKU:	1004547
Span:	12'
Left Overhang:	2' 2"
Right Overhang:	8"
Pitch:	5/12
Spacing:	2'
Heel:	1'
Loadings:	35-20-10-10
Wind Load:	115

Quantity:	7
Price Each:	$60.98
Subtotal:	$426.87

Print Spec Sheets
Remove
Edit

Job	Truss	Truss Type	Qty	Ply	
QTREC0899495	T1	COMMON	7	1	Job Reference (optional)

Midwest Manufacturing, Eau Claire, WI Run: 8.8 S 0 Jul 24 2024 Print: 8.800 S Jul 24 2024 MiTek Industries, Inc. Thu Apr 10 14:38:01 Page: 1
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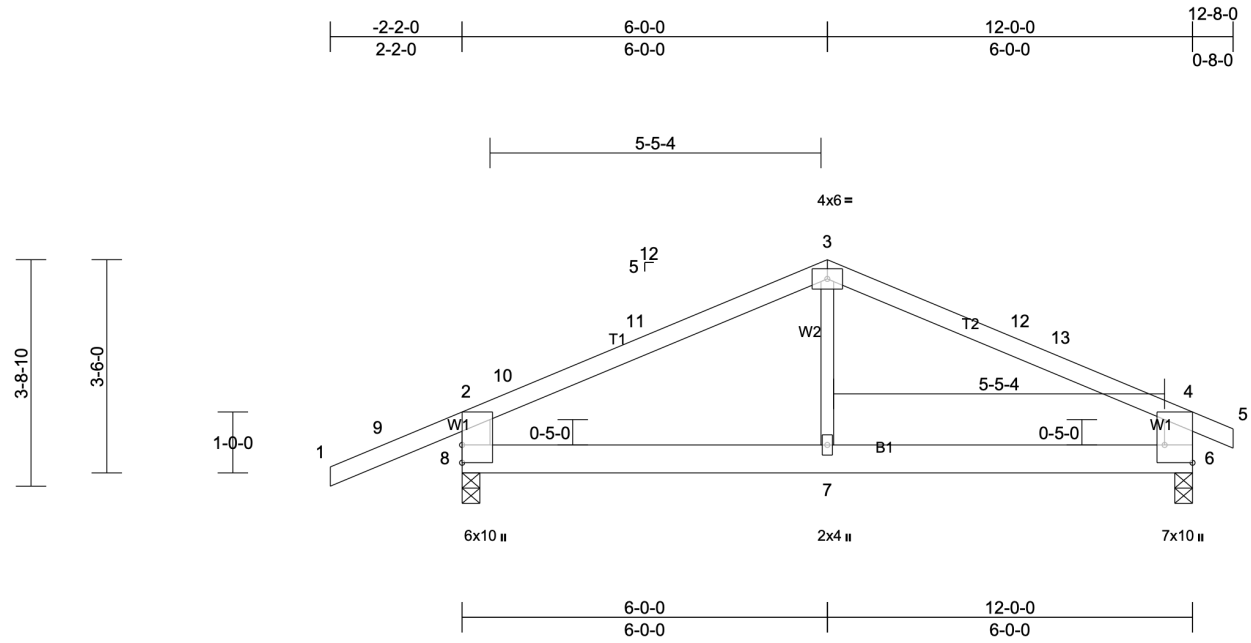

Scale = 1:34.8

Plate Offsets (X, Y): [6:Edge,0-5-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	35.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.03	6-7	>999	240	MT20	197/144
Snow (Ps/Pg)	34.7/50.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.06	6-7	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCLL	10.0*	Code	IRC2018/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 44 lb	FT = 15%

LUMBER
TOP CHORD 2x4 SPF 1650F 1.5E *Except* T2:2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x6 SPF No.2 *Except* W2:2x3 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
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) 6=821/0-3-8, (min. 0-1-9), 8=1031/0-3-8, (min. 0-1-15)
Max Horiz 8=33 (LC 14)
Max Uplift 6=-40 (LC 15), 8=-68 (LC 14)
Max Grav 6=1006 (LC 22), 8=1235 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-902/121, 10-11=-880/121, 3-11=-779/137, 3-12=-778/134, 12-13=-798/124, 4-13=-918/122, 2-8=-1128/248, 4-6=-934/182
BOT CHORD 7-8=-25/718, 6-7=-25/718

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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(2E) -2-2-0 to 0-10-0, Interior (1) 0-10-0 to 3-0-0, Exterior(2R) 3-0-0 to 9-0-0, Interior (1) 9-0-0 to 9-8-0, Exterior(2E) 9-8-0 to 12-8-0 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
3) TCLL: ASCE 7-16; Pr=35.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=50.0 psf; Ps=34.6 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
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 34.6 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 8 and 40 lb uplift at joint 6.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
QTREC0658325	T1DE	COMMON	1	1	Job Reference (optional)

Midwest Manufacturing, Eau Claire, WI Run: 8.4 S 0 May 13 2020 Print: 8.400 S May 13 2020 MiTek Industries, Inc. Tue Dec 15 12:53:20 Page: 1
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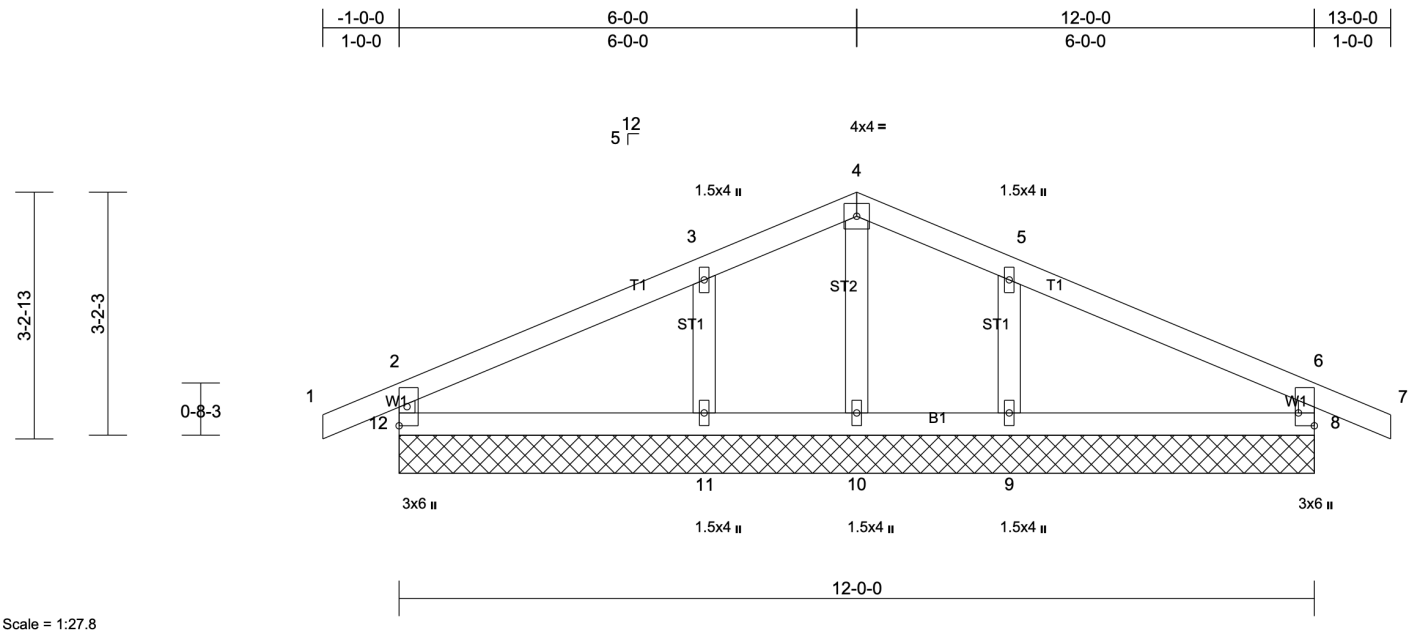

Scale = 1:27.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	35.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Ps/Pg)	34.7/50.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-R								
BCDL	10.0										Weight: 39 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS All bearings 12-0-0.
(lb) - Max Horiz 12=-26 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 8, 9, 10, 11, 12
Max Grav All reactions 250 (lb) or less at joint(s) 10 except 8=456 (LC 22), 9=544 (LC 22), 11=544 (LC 21), 12=456 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-425/60, 6-8=-425/62
WEBS 3-11=-459/93, 5-9=-459/92

JOINT STRESS INDEX
2 = 0.50, 3 = 0.28, 4 = 0.04, 5 = 0.28, 6 = 0.50, 8 = 0.21, 8 = 0.50, 9 = 0.27, 10 = 0.05, 11 = 0.27, 12 = 0.21 and 12 = 0.50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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 7-16; Pr=35.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=50.0 psf; Ps=34.6 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
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 34.6 psf on overhangs non-concurrent with other live loads.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 8, 10, 11, 9.
14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.