

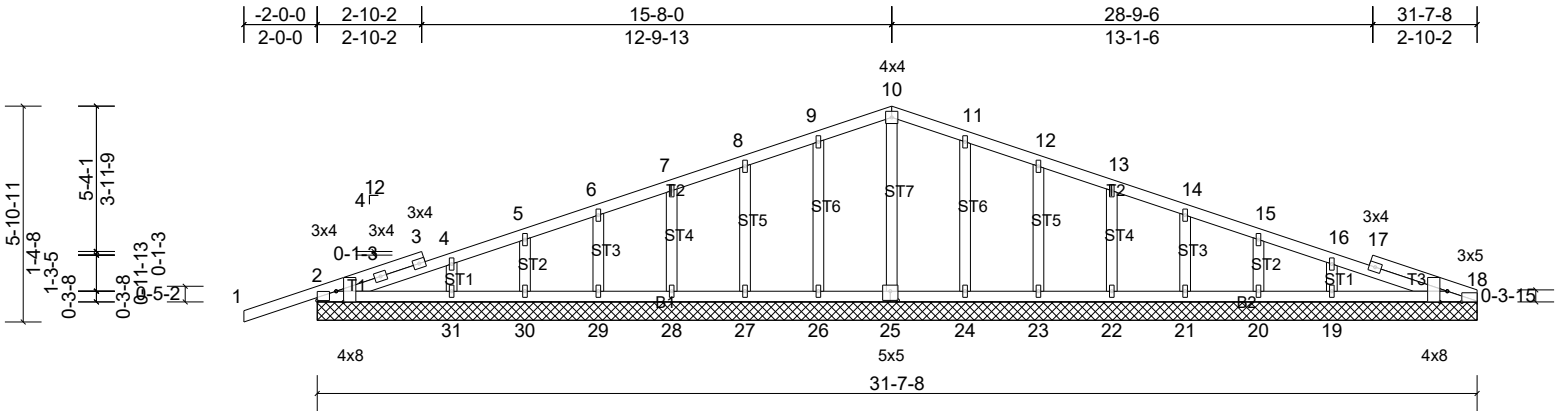
Job	Truss	Truss Type	Qty	Ply	
1223-002	A01GE	Common Supported Gable	1	1	Job Reference (optional)

Mayo Truss, Mayo, FL, Jason DeGroff

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Feb 13 08:43:04

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Scale = 1:63.1									
Plate Offsets (X, Y): [2:0-3-8,Edge], [2:Edge,0-3-1], [18:0-3-8,Edge], [18:0-4-12,Edge], [25:0-2-8,0-3-0]									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	PLATES
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	MT20
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	GRIP
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	18	244/190
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS					Weight: 158 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS All bearings 31-7-8.
(lb) - Max Horiz 2=64 (LC 11), 35=64 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s)
2, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 35
Max Grav All reactions 250 (lb) or less at joint (s)
18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 except 2=288 (LC 1), 19=308 (LC 1), 35=288 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=31ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.

8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20, 19, 2.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

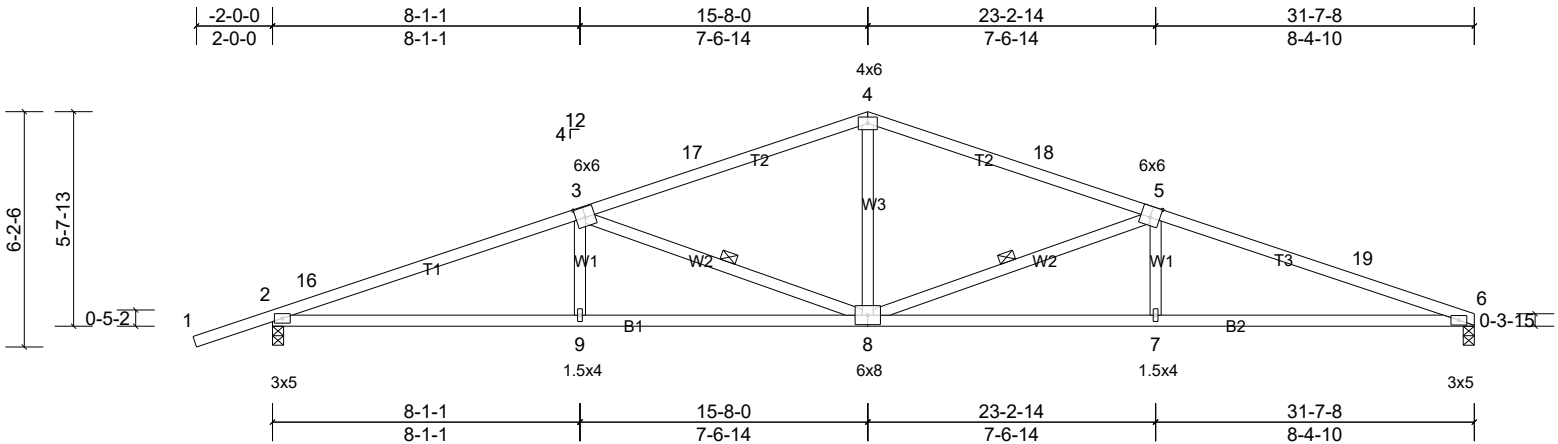
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1223-002	A02	Common	12	1	

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Scale = 1:60.9

Plate Offsets (X, Y): [3:0-3-0,0-3-4], [5:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.21	7-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.47	7-15	>816	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.14	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS							Weight: 138 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-8, 3-8

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

- * 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 50 lb uplift at joint 2.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

REACTIONS (lb/size) 2=1392/0-3-8, (min. 0-1-10),
6=1261/0-3-8, (min. 0-1-8)
Max Horiz 2=68 (LC 11)
Max Uplift 2=50 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2999/126, 3-16=-2988/155,
3-17=-2087/138, 4-17=-2013/154,
4-18=-2013/168, 5-18=-2090/143,
5-19=-3063/180, 6-19=-3107/159
BOT CHORD 2-9=-88/2778, 8-9=-91/2772, 7-8=-99/2899,
6-7=-97/2906
WEBS 4-8=0/858, 5-8=-1087/88, 5-7=0/332,
3-8=-961/79, 3-9=0/306

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=31ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C 20-1-2 to 31-7-8 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.