

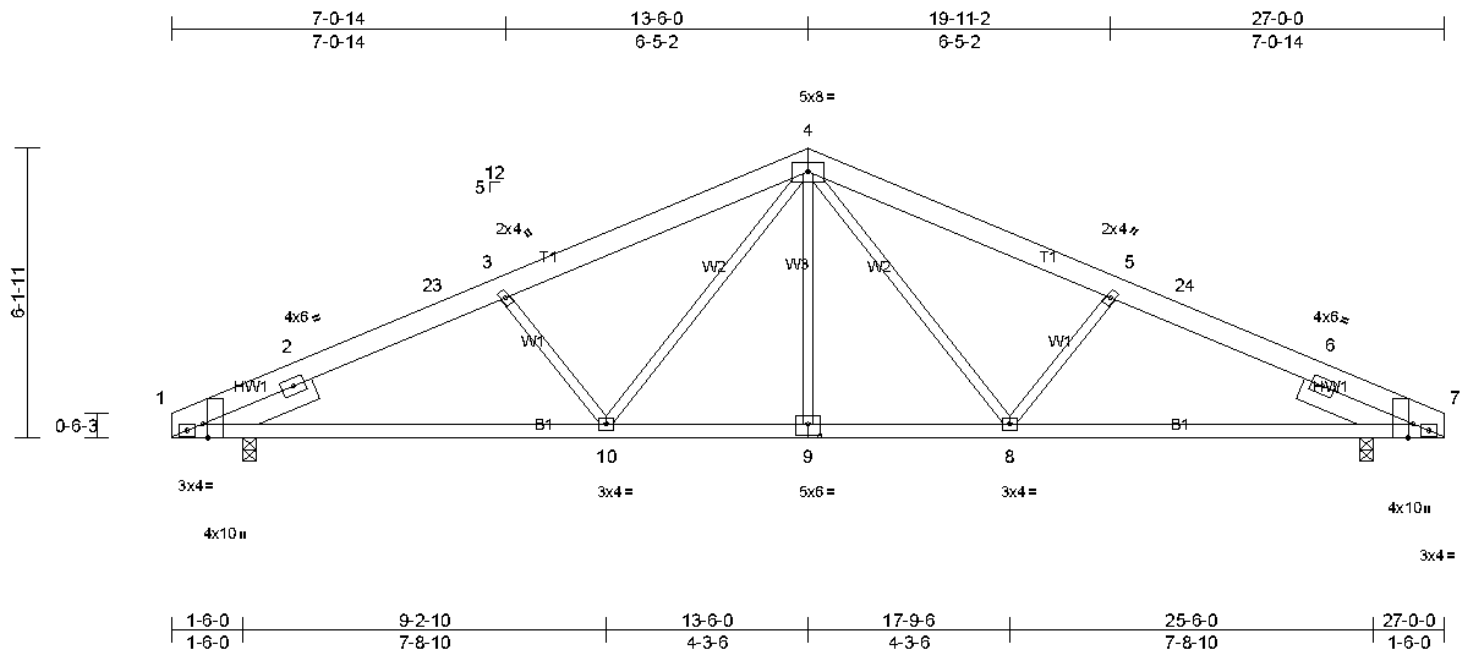
Job QTREC0739910	Truss T1	Truss Type COMMON	Qty 19	Ply 1	Job Reference (optional)
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Midwest Manufacturing, Eau Claire, WI

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Scale = 1/48.9

Plate Offsets (X, Y): [1:0-3-8,Edge], [7:0-3-8,Edge], [9:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	42.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.14	9-10	>999	240	MT20	197/144
Snow (Ps/Pg)	41.6/60.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.18	9-10	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.07	7	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 130 lb	FT = 15%

LUMBER

TOP CHORD 2x6 SP 2400F 2.0E
 BOT CHORD 2x4 SPF No.2
 WEBS 2x3 SPF Stud
 SLIDER Left 2x6 SPF No.2 - 2-6-0, Right 2x6 SPF No.2 - 2-6-0

REACTIONS (lb/size) 1=1582/0-3-8, (min. 0-2-10), 7=1582/0-3-8, (min. 0-2-10)
 Max Horiz 1=70 (LC 15)
 Max Uplift 1=67 (LC 14), 7=67 (LC 15)
 Max Grav 1=1684 (LC 20), 7=1684 (LC 21)

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

TOP CHORD 1-2=101/532, 2-23=2332/99, 3-23=2217/113, 3-4=1998/99, 4-5=1998/99, 5-24=2217/113, 6-24=2332/100, 6-7=79/532

BOT CHORD 1-10=112/1992, 9-10=5/1479, 8-9=5/1479, 7-8=43/1992

WEBS 4-10=38/534, 3-10=446/138, 4-8=39/534, 5-8=446/139

NOTES

- Unbalanced roof live loads have been considered for this design.
- 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
- 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 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 67 lb uplift at joint 1 and 67 lb uplift at joint 7.
- 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

BRACING

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-6-4 oc purlins.
 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.