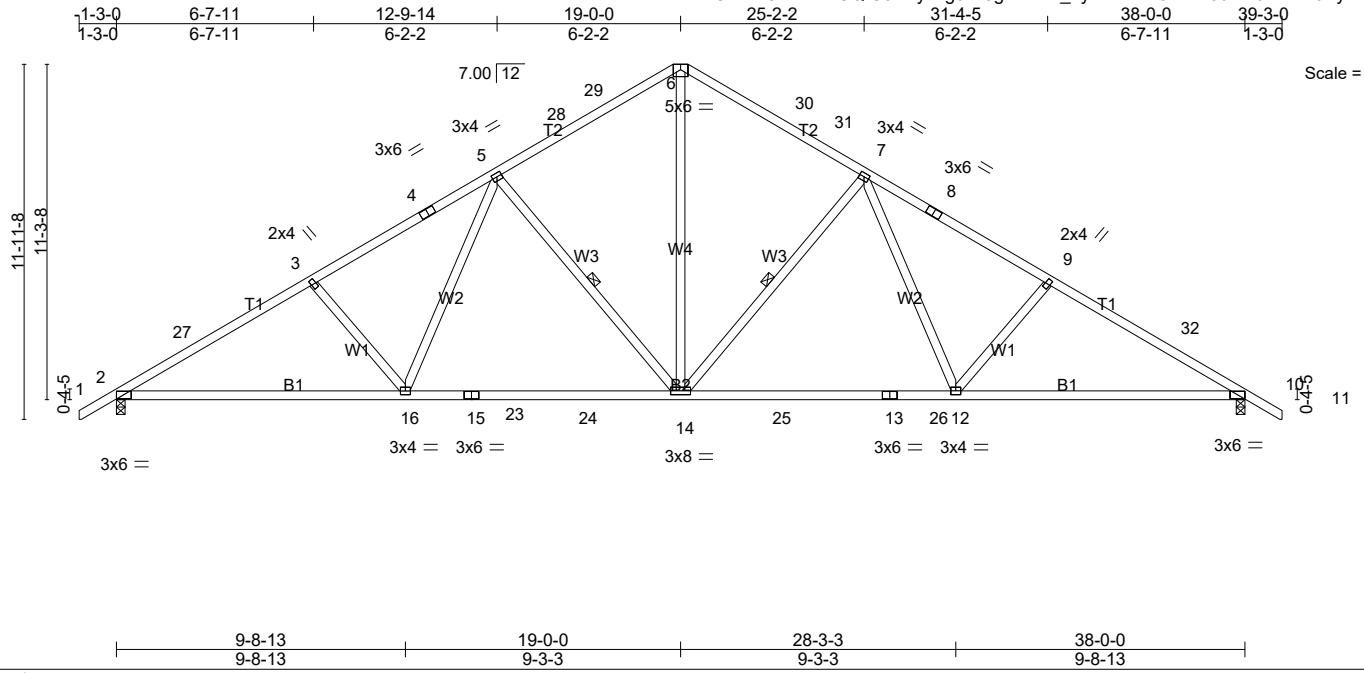


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3405251	A1	MOD. QUEEN	10	1	

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LOADING (psf)		SPACING-		CSI.	DEFL.				PLATES	GRIP
TCLL (roof)	20.0	2-0-0	Plate Grip DOL	TC	in	(loc)	l/defl	L/d	MT20	244/190
Snow (Pf/Pg)	7.7/10.0	1.15	Lumber DOL	BC	-0.25	14-16	>999	240		
TCDL	10.0	1.15	Rep Stress Incr	WB	-0.42	14-16	>999	180		
BCLL	0.0 *	YES	Code IRC2015/TPI2014	Matrix-MS	Horz(CT)	0.10	10	n/a		
BCDL	10.0								Weight: 208 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-4-14 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-14, 7-14

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

REACTIONS. (lb/size) 2=1096/0-3-8 (min. 0-1-14), 10=1096/0-3-8 (min. 0-1-14)
 Max Horz2=184(LC 15)
 Max Grav2=1593(LC 2), 10=1593(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-27=-2553/27, 3-27=-2497/61, 3-4=-2350/62, 4-5=-2208/82, 5-28=-1633/104,
 28-29=-1565/114, 6-29=-1553/134, 6-30=-1553/134, 30-31=-1565/114, 7-31=-1633/104,
 7-8=-2208/82, 8-9=-2350/62, 9-32=-2497/61, 10-32=-2553/27
 BOT CHORD 2-16=0/2279, 16-23=0/1839, 15-23=0/1839, 15-24=0/1839, 14-24=0/1839, 14-25=0/1747,
 13-25=0/1747, 13-26=0/1747, 12-26=0/1747, 10-12=0/2157
 WEBS 3-16=-357/103, 5-16=0/589, 5-14=-679/98, 6-14=-35/1247, 7-14=-679/98, 7-12=0/590,
 9-12=-357/103

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-2-9 to 2-7-0, Interior(1) 2-7-0 to 19-0-0, Exterior(2) 19-0-0 to 22-9-10, Interior(1) 22-9-10 to 39-2-9 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 3405251	Truss A1E	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional)
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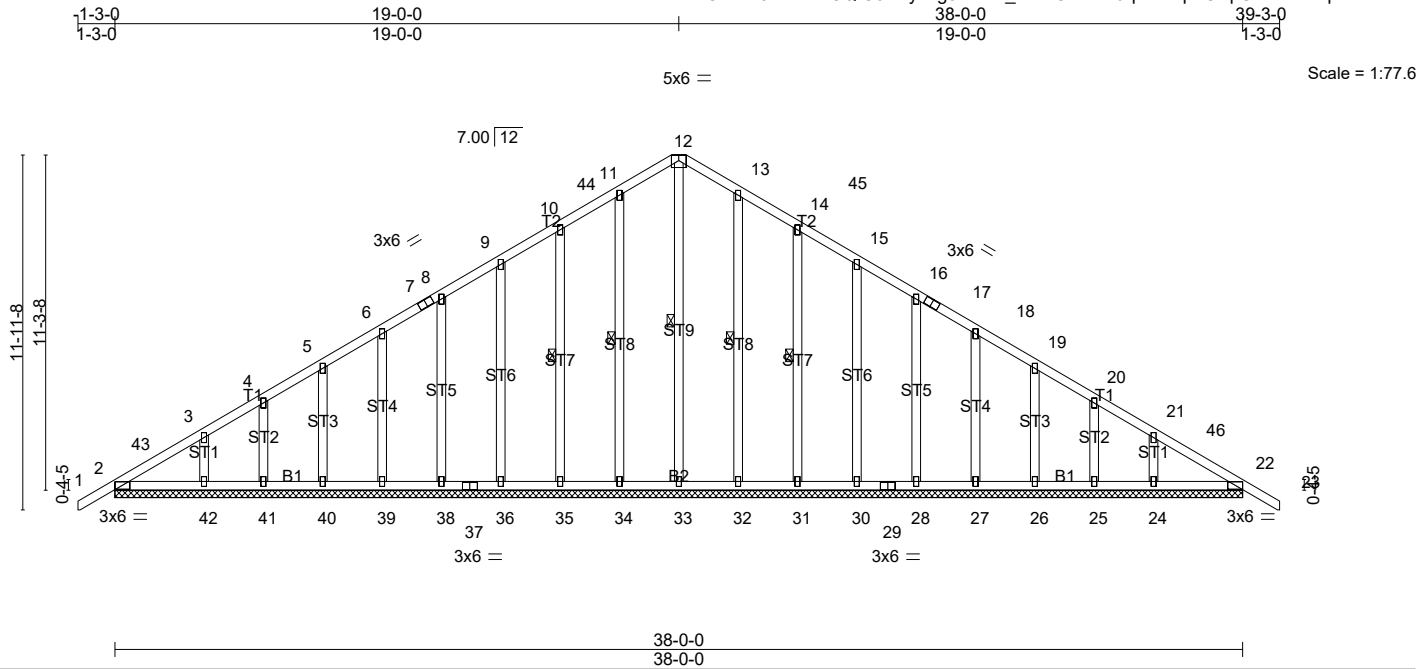


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [22:0-3-3,0-1-8]										
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15		TC 0.07	Vert(LL) -0.00	23	n/r	120		MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Lumber DOL 1.15		BC 0.04	Vert(CT) -0.00	22	n/r	120			
TCDL 10.0	Rep Stress Incr YES		WB 0.12	Horz(CT) 0.01	22	n/a	n/a			
BCLL 0.0 *	Code IRC2015/TPI2014		Matrix-S							
BCDL 10.0									Weight: 277 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	WEBS 1 Row at midpt 12-33, 11-34, 10-35, 13-32, 14-31
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 38-0-0.
 (lb) - Max Horz 2=-185(LC 14)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 35, 36, 38, 39, 40, 41, 42, 32, 31, 30, 28, 27, 26, 25, 24
 Max Grav All reactions 250 lb or less at joint(s) 2, 22, 33, 34, 35, 36, 38, 39, 40, 41, 42, 32, 31, 30, 28, 27, 26, 25, 24

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -1-2-9 to 2-7-0, Interior(1) 2-7-0 to 19-0-0, Exterior(2) 19-0-0 to 23-0-0, Interior(1) 23-0-0 to 39-2-9 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
 - 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.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 34, 35, 36, 38, 39, 40, 41, 42, 32, 31, 30, 28, 27, 26, 25, 24.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard