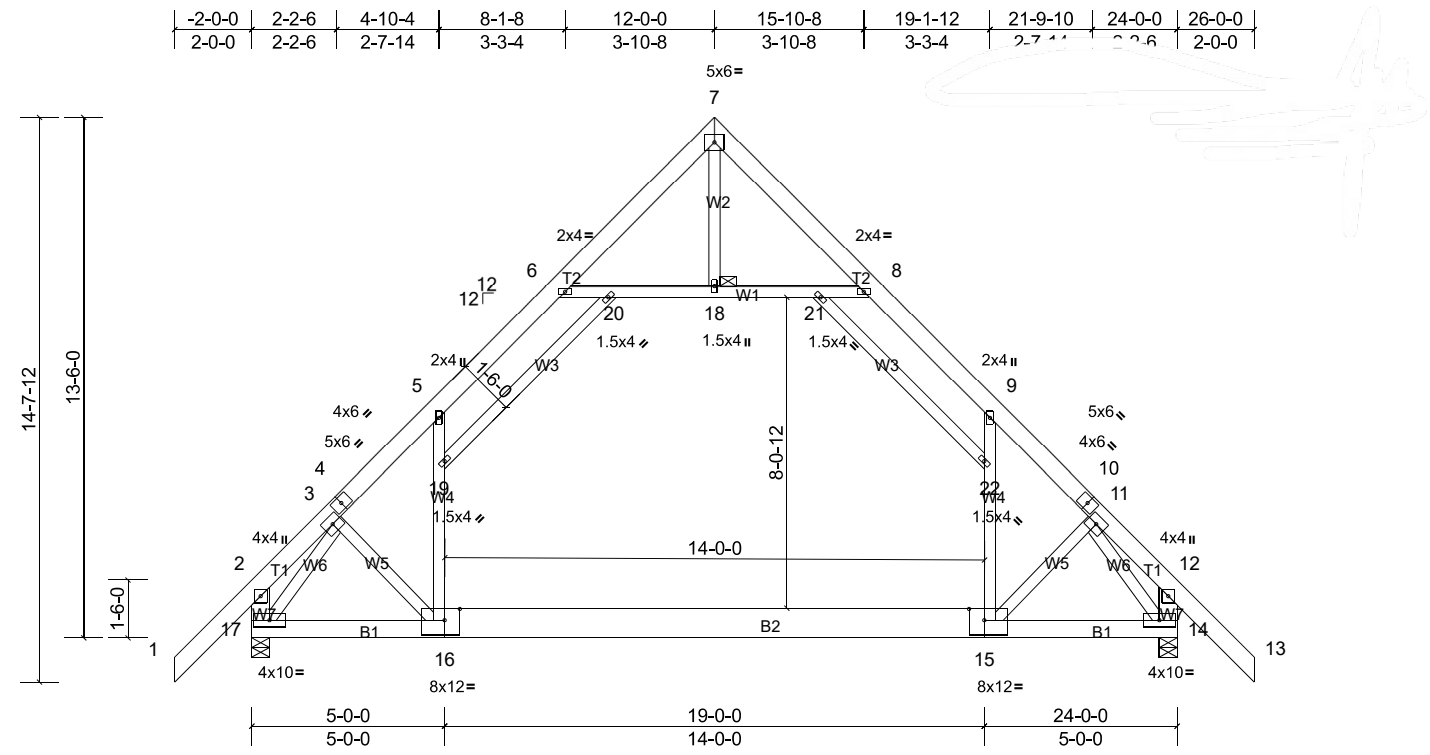
Job	Truss	Truss Type	Qty	Ply	Parker
B2600493-1	T01	Attic	16	1	Job Reference (optional)



Scale = 1:59.8

Plate Offsets (X, Y): [15:0-4-12,0-3-8], [16:0-4-12,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	47.4	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.43	15-16	>651	240	MT20	197/144
(Ground Snow = 80.0)		Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.70	15-16	>406	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.03	14	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-S		Attic	-0.28	15-16	>603	360		
BCDL	10.0										Weight: 204 lb	FT = 15%

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E *Except* B2:2x10 SP 2400F 2.0E
WEBS 2x4 SPF No.2 *Except* W7:2x6 SPF 1650F 1.5E

REACTIONS (lb/size) 14=2139/0-5-8, (min. 0-3-8), 17=2139/0-5-8, (min. 0-3-8)
Max Horiz 17=289 (LC 7)
Max Grav 14=2241 (LC 18), 17=2241 (LC 17)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-9 oc bracing.
JOINTS 1 Brace at Jt(s): 18

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-266/66, 3-4=-2258/0, 4-5=-2096/0, 5-6=-1550/0, 6-7=-493/63, 7-8=-493/63, 8-9=-1548/0, 9-10=-2099/0, 10-11=-2261/0, 11-12=-266/66, 2-17=-549/81, 12-14=-549/79
BOT CHORD 16-17=0/1379, 15-16=0/1369, 14-15=0/1269
WEBS 15-22=0/1078, 9-22=0/1020, 16-19=0/1078, 5-19=0/1020, 6-20=-1356/10, 18-20=-1242/0, 18-21=-1242/0, 8-21=-1353/9, 3-17=-2284/0, 11-14=-2285/0

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg=80.0 psf; Ps=47.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=0.77; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Roof design snow load has been reduced to account for slope.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Ceiling dead load (7.0 psf) on member(s). 5-6, 8-9, 6-20, 18-20, 18-21, 8-21; Wall dead load (5.0psf) on member(s).15-22, 9-22, 16-19, 5-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-16
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard