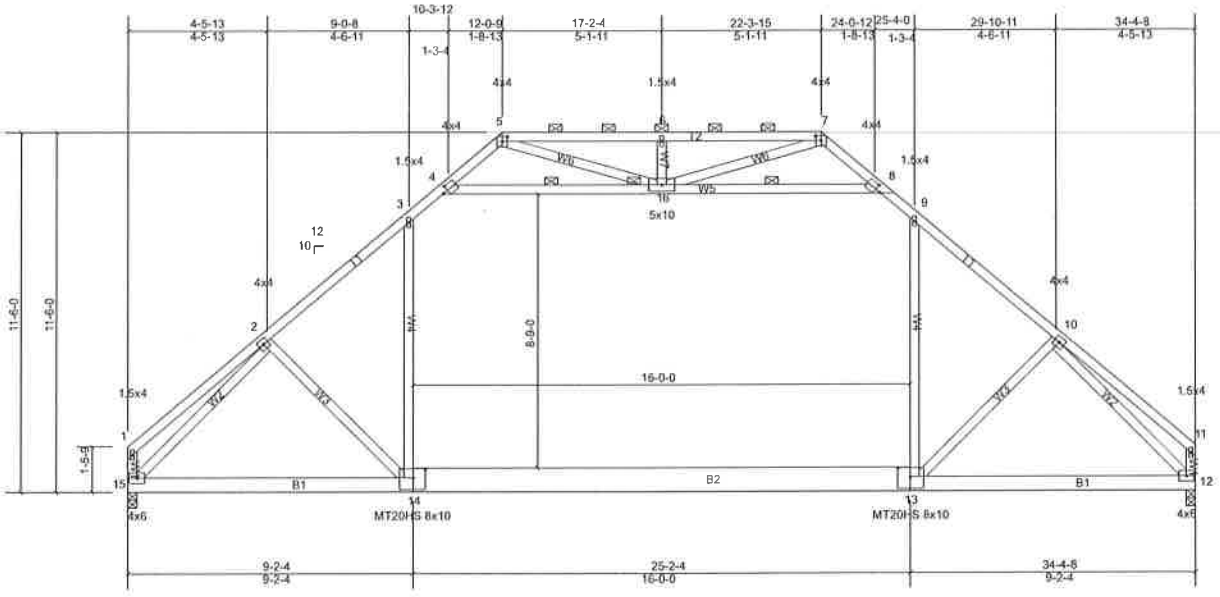
Job	Truss	Truss Type	Qty	Ply	
JMAS91355	1A	Attic	7	1	Job Reference (optional)

Jones Building Systems, Halifax VA 24558 Run: 8.24 S Feb 11 2019 Print: 8.240 S Feb 11 2019 MiTek Industries, Inc. Fri Mar 15 18:33:58 Page: 1

ID:aTEabFHIlm35Z4v3inQYgqzadRU-IAbQN24ZTxeBIFqRvImfrKM5vzrafNSliWkeDGzad0d



Scale = 1:70.6

Plate Offsets (X, Y): [4:0-2-1,0-2-0], [5:0-2-0,0-1-13], [7:0-2-0,0-1-13], [8:0-2-1,0-2-0], [13:0-4-12,0-3-8], [14:0-4-12,0-3-8]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.47	13-14	>865	240	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.61	13-14	>676	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.03	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Attic	-0.37	13-14	>512	360		
BCDL	10.0										Weight: 270 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2:2x10 SP No.1
WEBS 2x4 SP No.2

REACTIONS (lb/size) 12=946/0-3-8, (min. 0-1-8), 15=946/0-3-8, (min. 0-1-8)
Max Horiz 15=200 (LC 9)
Max Uplift 12=-88 (LC 11), 15=-88 (LC 10)
Max Grav 12=1170 (LC 3), 15=1170 (LC 3)

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-16, 8-16
JOINTS 1 Brace at Jt(s): 16

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=-1420/134, 3-4=-998/145, 4-5=-397/189, 5-6=-670/250, 6-7=-670/250, 7-8=-397/189, 8-9=-998/145, 9-10=-1420/134
BOT CHORD 14-15=-125/1067, 13-14=-24/1027, 12-13=-34/1002
WEBS 3-14=0/604, 9-13=0/604, 4-16=-1048/156, 8-16=-1047/157, 2-15=-1454/122, 10-12=-1455/121, 5-16=-177/522, 7-16=-177/522

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-16, 8-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 15 and 88 lb uplift at joint 12.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard