Job	Truss	Truss Type	Qty	Ply	
B1700091MS	S1	SCISSORS	12	1	Job Reference (optional)

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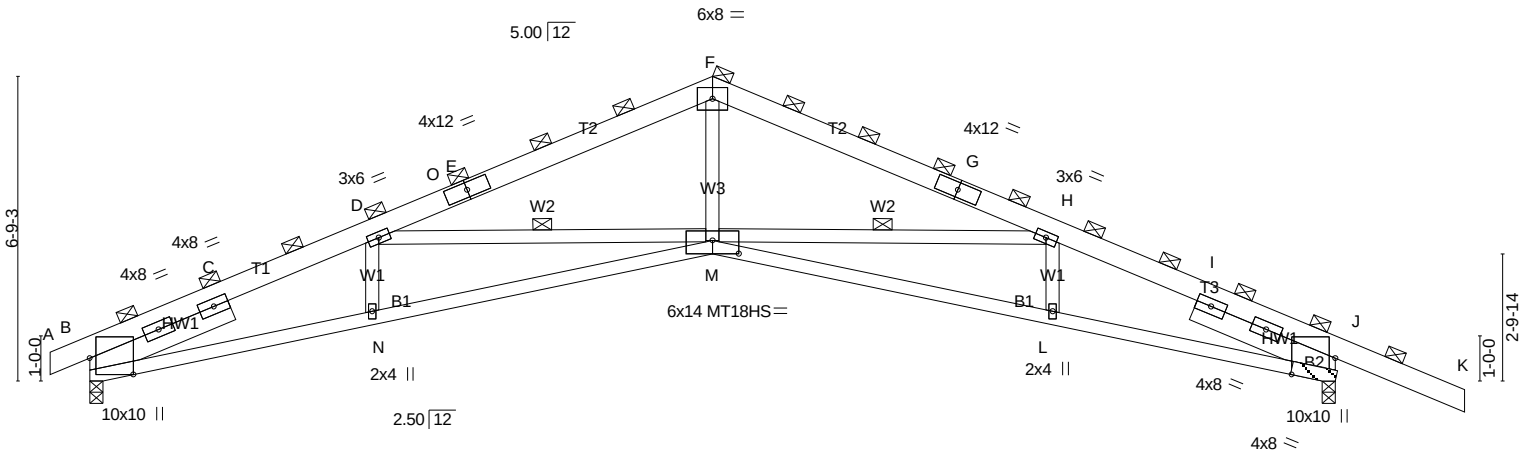
ID:zqtIqpJhpwmou0QCgC79EDzdIB?-3JFDdl_NDK3fMkgdT3aRZKKSgv2kfQdfWfyGeIzdI6F

-0-10-8	6-3-5	13-10-0	21-4-11	27-8-0	30-6-8
0-10-8	6-3-5	7-6-11	7-6-11	6-3-5	2-10-8

Scale = 1:51.2



6-3-5	13-10-0	21-4-11	27-8-0
6-3-5	7-6-11	7-6-11	6-3-5

Plate Offsets (X,Y)-- [B:0-4-6,Edge], [J:0-4-6,Edge], [M:0-7-0,0-3-8]

LOADING (psf)		**SPACING-**	2-6-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.41	L-M	>805	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.83	L-M	>399	180	MT18HS	197/144
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.50	J	n/a	n/a		
BCDL	10.0	Code IBC2012/TPI2007		(Matrix)							Weight: 131 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SPF 1650F 1.5E *Except*
	T1,T3: 2x6 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 2100F 1.8E
WEBS	2x4 SPF No.2
SLIDER	Left 2x6 SPF No.2 3-5-1, Right 2x6 SPF No.2 3-5-1

BRACING-

TOP CHORD	2-0-0 oc purlins (2-3-11 max.)
	(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt D-M, H-M

REACTIONS. (lb/size) B=1718/0-3-8 (min. 0-3-6), J=1933/(0-3-8 + bearing block) (req. 0-3-14)
Max Horz B=-95(LC 10)
Max Uplift B=-63(LC 12), J=-136(LC 12)
Max Grav B=2165(LC 2), J=2450(LC 2)

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

TOP CHORD	B-C=-5673/44, C-D=-5509/63, D-O=-4557/2, E-O=-4492/8, E-F=-4447/30, F-G=-4448/29, G-H=-4554/7, H-I=-5358/23, I-J=-5533/0
BOT CHORD	B-N=0/4997, M-N=0/5009, L-M=0/4843, J-L=0/4830
WEBS	F-M=0/2283, D-N=0/365, H-L=0/364, D-M=-1188/151, H-M=-1037/196

NOTES-

1) 2x4 SPF 2100F 1.8E bearing block 12" long at jt. J attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pr=40.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=40.0 psf (ground snow); Pf=27.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 27.7 psf on overhangs non-concurrent with other live loads.
7) All plates are MT20 plates unless otherwise indicated.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) B, J considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B except (jt=lb) J=136.
12) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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LOAD CASE(S) Standard