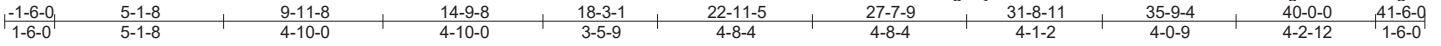


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
REEVES CABIN	M1	Monopitch	7	1	

Alpine Lumber Company, Farmington, NM

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ID:9ZarzAQ1oU0Hbg5ZyaWnBNzHZbS-1MoS6ezVBLMA95LogsDfc6dlBONgY3CS1zxvT6zJp



Scale = 1:69.8

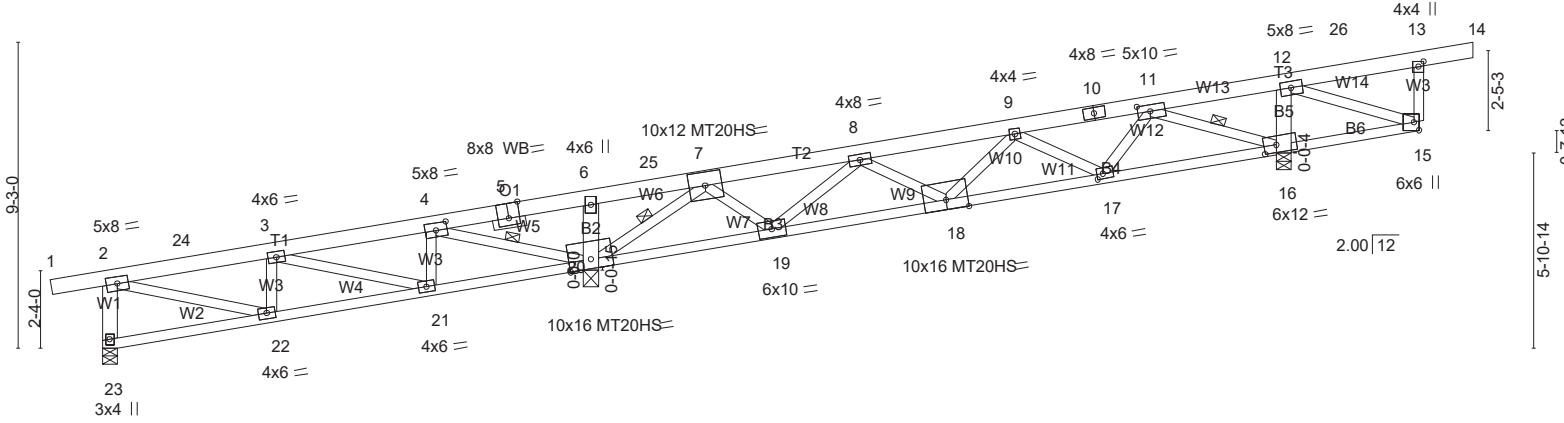


Plate Offsets (X,Y)--[4:0-4-0,0-2-12], [5:0-4-0,Edge], [11:0-4-8,0-2-8], [13:0-2-0,0-1-12], [16:0-4-8,0-2-12], [17:0-2-4,0-1-12]
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LOADING(psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 100.0	2-0-0	TC 0.87	Vert(LL) -0.31	18	>814	360	MT20	197/144
(Roof Snow=100.0)	Plate Grip DOL 1.00	BC 0.89	Vert(CT) -0.36	18	>697	240	MT20HS	148/108
TCDL 15.0	Lumber DOL 1.00	WB 0.82	Horz(CT) 0.09	16	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.03	18	>999	240		
BCDL 10.0	Code IRC2015/TPI2014						Weight: 189 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 1650F 1.5E *Except* T2: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 4-0-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 1650F 1.5E *Except* B2,B5: 2x6 SPF 1650F 1.5E, B4: 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 4-6-10 oc bracing.
WEBS 2x4 SPF Stud *Except* W1: 2x6 SPF 1650F 1.5E W4,W5,W6,W7,W8,W13,W14: 2x4 SPF 1650F 1.5E	WEBS 1 Row at midpt 4-20, 7-20, 11-16
OTHERS 2x4 SPF Stud	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 23=1615/0-5-8 (min. 0-2-8), 20=5308/0-5-8 (min. 0-2-8), 16=3768/0-5-8 (min. 0-2-1)
 Max Horz23=213(LC 9)
 Max Uplift23=38(LC 8), 20=-121(LC 12), 16=-90(LC 12)
 Max Grav23=1615(LC 1), 20=6321(LC 19), 16=5238(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-1576/199, 2-24=-1550/59, 3-24=-1452/68, 3-4=-100/869, 4-5=-148/5206, 5-6=-139/5371,
 6-25=-134/5181, 7-25=-127/5324, 7-8=-2091/0, 8-9=-5135/34, 9-10=-3854/2, 10-11=-3658/9,
 11-12=-625/2483, 13-15=-1130/163
 BOT CHORD 15-16=-2380/565, 6-20=-1318/97, 12-16=-2526/376, 22-23=-269/113, 21-22=-277/1460,
 20-21=-783/89, 19-20=-348/0, 18-19=-103/4522, 17-18=-97/5316, 16-17=-185/2860
 WEBS 2-22=-8/1383, 3-22=-466/64, 3-21=-1886/75, 4-21=0/856, 4-20=-4562/170, 7-20=-6453/95,
 7-19=0/2604, 8-19=-3417/110, 8-18=0/578, 9-18=-440/119, 9-17=-1795/192, 11-17=-67/1662,
 11-16=-5435/280, 12-15=-586/2434

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-6-7 to 2-5-9, Interior(1) 2-5-9 to 37-6-0, Exterior(2) 37-6-0 to 41-6-0 zone; cantilever right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-10; Pf=100.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 100.0 psf on overhangs non-concurrent with other live loads.
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Bearing at joint(s) 23, 20, 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 16 except (jt=lb) 20=121.
 - 10) 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