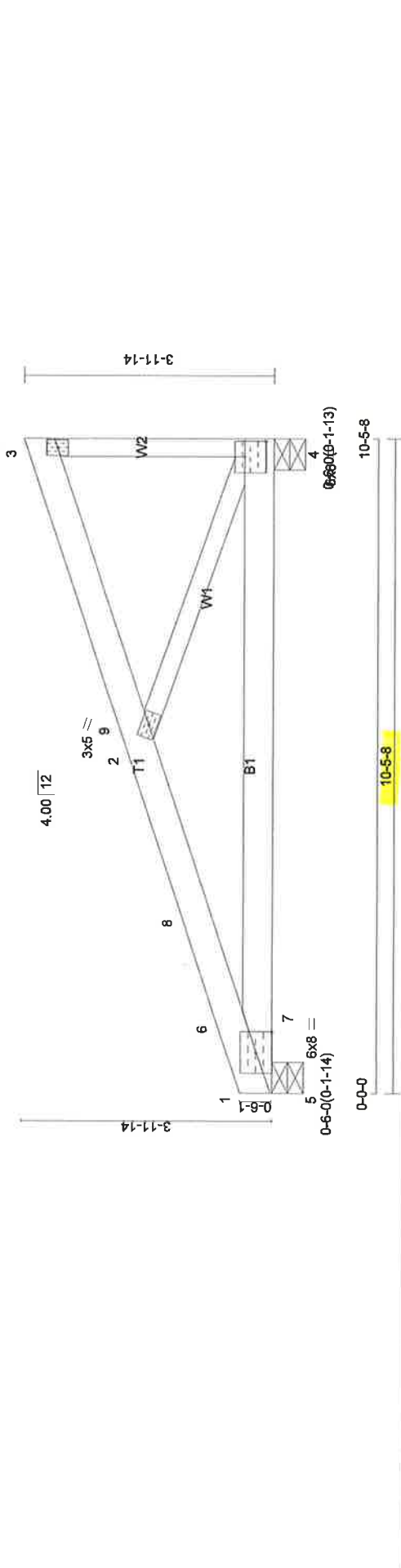


Jobb	Truss	Truss Type	Qty	Ply	1
ROOF2	003	MONO TRUSS	10		

Littifin Truss Company, Winsted, MN, Swd
 Job Reference (optional)
 8.030 s Oct 5 2016 MITek Industries, Inc. Mon Nov 14 09:09:55 2016 Page 1
 ID:mQ73BtpA?scqOfcFRVrShzT3Mz-xywOBgMTXFSOpY9D3kLSk_X86m4P9AaJzZhyJJMw

Scale = 1:28.9



LOADING (psf)	SPACING-	7-6-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	Plate Grip DOL 1.15	TC 0.87	Vert(LL) -0.22	4.7	>573	240		MT20	197/144
TCDL 5.0	Lumber DOL 1.15	BC 0.59	Vert(TL) -0.40	4.7	>313	180			
BCLL 0.0	Rep Stress Incr NO	WB 0.95	Horz(TL) 0.03	4	n/a	n/a			
BCDL 5.0	Code MNSRC2015/TPI2007	Matrix-MS							

BRACING-
 TOP CHORD 2-0-0 oc purlins (4-10-11 max.), except end verticals
 (Switched from sheeted. Spacing > 2-0-0).
 BOT CHORD Rigid ceiling directly applied or 8-6-14 oc bracing.

REACTIONS. (lb/size) 1=1780/0-6-0 (min. 0-1-14), 4=1700/0-6-0 (min. 0-1-13)
 Max Horz 1=567(LC 11)
 Max Uplift 1=509(LC 8), 4=577(LC 8)

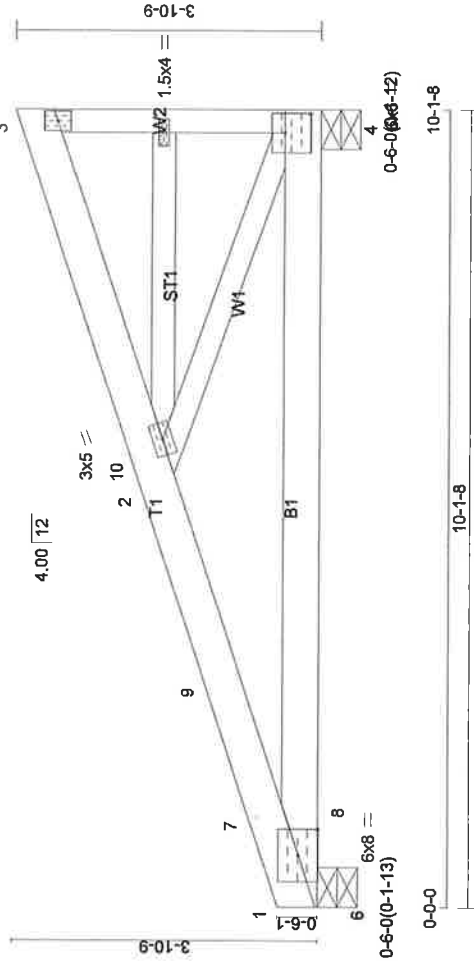
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-6=-2800/686, 6-8=-2661/837, 2-8=-2541/855, 2-9=-426/150, 3-9=-390/187, 3-4=-548/383
 BOT CHORD 5-7=-846/2746, 4-7=-1104/2451
 WEBS 2-4=-2584/1086, 1-5=-1476/380, 6-7=-155/836, 5-6=-567/62, 1-7=-1010/66

- NOTES-** (7-9)
 1) Wind: ASCE 7-10; Vult=114mph (3-second gust) V(IR2012)=90mph; TCDL=3.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 10-3-12 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
 2) TCLL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 3) This truss has been checked for uniform snow load only, except as noted.
 4) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 509 lb uplift at joint 1 and 577 lb uplift at joint 4.
 7) If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.
 8) This truss must not be exposed to environments that are corrosive or greater than 19 percent moisture, and moisture of lumber not to exceed 19 percent
 9) It is the responsibility of the engineer of record to determine the suitability of this component for this project per ANSI/TPI 1, Section 2.

LOAD CASE(S) Standard

Job #	Truss Type	Qty	Ply
ROOF2	GABLE	4	1
Littifin Truss Company, Winsted, MN, Swd			
0-0-0	5-8-10	10-1-8	10-1-8
Job Reference (optional) 8.030 s Oct 5 2016 MITek Industries, Inc. Mon Nov 14 09:10:22 2016 Page 1 ID: mQ73i8IqA?sQqOtcFRVrSbzT3Mz-e92bsvh3Airz56LJEig2MLcJ1LveN9o0zV6pyLJMV			

Scale = 1:28.1



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	L/d	PLATES	GRIP
TCLL 35.0	Plate Grip DOL 7-6-0	TC 0.81	Vert(LL) -0.19	4-8	>638	MT20	197/144
(Roof Snow=35.0)	Lumber DOL 1.15	BC 0.55	Vert(TL) -0.34	4-8	>347		
TCDL 5.0	Rep Stress Incr NO	WB 0.85	Horz(TL) 0.02	4	n/a		
BCLL 0.0	Code MNSRC2015/TPI2007	Matrix-MS					
BCDL 5.0							

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E or 2x6 DF-N 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E or 2x6 DF-N 1800F 1.6E
WEBS 2x4 DF Std or 2x4 SPF Stud *Except*
 W1: 2x4 DF No.2 or 2x4 DF-N No.1/No.2
OTHERS 2x4 DF Std or 2x4 SPF Stud

REACTIONS. (lb/size) 1=1722/0-6-0 (min. 0-1-13), 4=1646/0-6-0 (min. 0-1-12)
 Max Horz 1=549(LC 11)
 Max Uplift 1=493(LC 8), 4=558(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-2654/666, 7-9=-2558/804, 2-9=-2437/821, 2-10=-411/143, 3-10=-388/181, 3-4=-530/373
BOT CHORD 6-8=-828/2595, 4-8=-1076/2358
WEBS 2-4=-2488/1046, 1-6=-1412/375, 7-8=-1507/95, 6-7=-49/669, 1-8=-898/61

NOTES- (9-11)
 1) Wind: ASCE 7-10; Vult=114mph (3-second gust) V(IRC2012)=90mph; TCCL=3.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-11-12 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
 2) 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.
 3) TCCL: ASCE 7-10; Pf=35.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 4) This truss has been checked for uniform snow load only, except as noted.
 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 6) Vertical gable studs spaced at 2-0-0 oc and horizontal gable studs spaced at 2-0-0 oc.
 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 493 lb uplift at joint 1 and 558 lb uplift at joint 4.