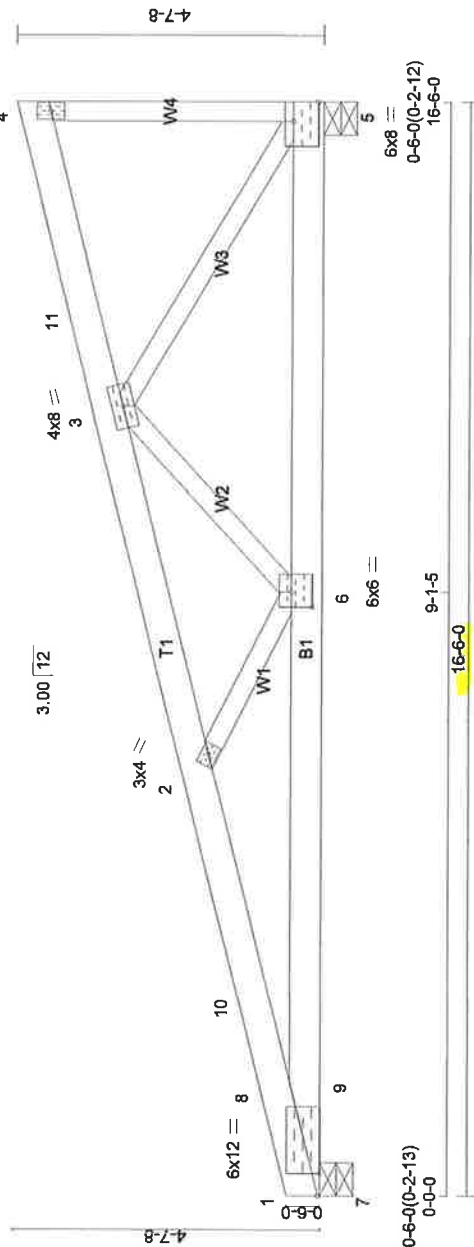


Job	Truss Type	Qty	Ply
ROOF2	MONO TRUSS	16	1
Littlin Truss Company, Winsted, MN, Swd	6-7-13	11-10-14	Job Reference (optional)
0-0-0	0-0-0	15-6-0	7.530 s Jul 9 2015 MITek Industries, Inc. Wed Sep 09 09:59:20 2015 Page 1
			ID:BJP4_hr_hkuYqLcChKd5ofOUJ-pl_X5m8EdZmJsnCAMmThg6MKVjBBCB_720LvEpyfOor

Scale = 1:33.7



LOADING (psf)	SPACING-	CSI.	DEFLL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL 1.15	TC 0.72	Vert(LL) -0.22	6-9	>901	240	MT20	197/144
(Roof Snow=30.0)	Lumber DOL 1.15	BC 0.88	Vert(TL) -0.36	6-9	>542	180		
TCDL 5.0	Rep Stress Incr NO	WB 0.90	Horz(TL) 0.08	5	n/a	n/a		
BCLL 0.0	Code MNSRC2015/TPI2007	(Matrix-M)						
BCDL 5.0								

REACTIONS. (lb/size) 1=2652/0-6-0 (min. 0-2-13), 5=2581/0-6-0 (min. 0-2-12)
 Max Horz 1=694(LC 11)
 Max Uplift 1=-891(LC 8), 5=-951(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-8=-4816/1600, 8-10=-6481/2216, 2-10=-6396/2236, 2-3=-4653/1493, 3-11=-350/224, 4-11=-255/247, 4-5=-482/312
 BOT CHORD 7-9=-1778/4709, 6-8=-2327/6205, 5-6=-1100/2943
 WEBS 2-6=-2175/1092, 3-6=-531/2048, 3-5=-3520/1429, 1-7=-1927/658, 8-9=-514/389, 7-8=-410/119

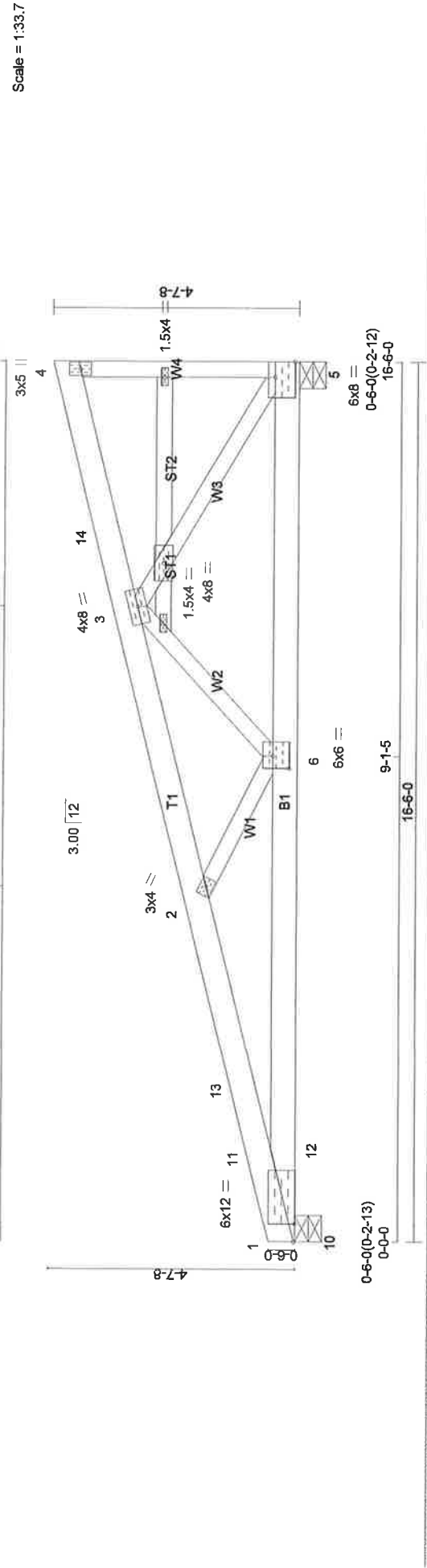
NOTES- (8-10)
 1) Wind: ASCE 7-10; Vu1=114mph (3-second gust) V(IRC2012)=90mph; TC DL=3.0psf; BCDL=3.0psf; Cat. I; Exp C; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2)
 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate grip DOL=1.15
 2) TLL: ASCE 7-10; Pf=30.0 psf (flat roof snow); Category I; 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 891 lb uplift at joint 1 and 951 lb uplift at joint 5.
 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 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.
 10) For Piggyback conditions, see Piggyback truss connection detail for base to cap truss connections.

Plate Offsets (X,Y) -	[1:0-4-1, Edge], [5: Edge, 0-4-8], [6: 0-2-12, 0-3-12]
Weight: 91 lb	FT = 20%
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" W4: 2x4 DF No.2 or 2x4 DF-N No.1/No.2, W3: 2x4 SPF 2400F 2.0E
BRACING-	
TOP CHORD	2-0-0 oc purlins (2-9-12 max.), except end verticals (Switched from sheeted. Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 5-9-5 oc bracing.

LOAD CASE(S) Standard

Job	Truss Type	Qty	Ply
ROOF2	GABLE	4	1
004			

Littlin Truss Company, Winsted, MN, Svd
 Job Reference (optional)
 7/630 s Jul 9 2015 MITek Industries, Inc. Wed Sep 09 09:59:33 2015 Page 1
 ID:BJJP4_hr_hkuYqLChkKd5oyOU-xrHRqDIOZYPTWmgd_ClrOzdyEI3Cv2X75BZyfOoe
 11-10-14
 16-6-0
 Scale = 1:33.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 30.0	Plate Grip DOL 8-0-0	TC 0.72	Vert(LL) -0.22	MT20	197/144
(Roof Snow=30.0)	Lumber DOL 1.15	BC 0.88	Vert(TL) -0.36		
TCDL 5.0	Rep Stress Incr NO	WB 0.90	Horz(TL) 0.08		
BCLL 0.0	Code MNSRC2015/TP12007	(Matrix-M)			
BCDL 5.0					

PLATE OFFSETS (X,Y) - [1:0-4-1 Edge], [5:Edge,0-4-8], [6:0-2-12,0-3-12]
REACTIONS. (lb/size) 1=2652/0-6-0 (min. 0-2-13), 5=2581/0-6-0 (min. 0-2-12)
 Max Horz 1=694(LC 11)
 Max Uplift 1=891(LC 8), 5=951(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-4816/1600, 11-13=-6481/2216, 2-13=-6396/2236, 2-3=-4653/1493, 3-14=-360/224, 4-14=-255/247, 4-5=-482/312
BOT CHORD 10-12=-1778/4709, 6-12=-2327/6205, 5-6=-1100/2943
WEBS 2-6=-2175/1092, 3-6=-531/2048, 3-5=-3520/1429, 1-10=-1927/658, 11-12=-514/389, 10-11=-410/119

NOTES. (10-12)
 1) Wind: ASCE 7-10; Vult=114mph (3-second gust) VIRC(20/12)=90mph; TC DL=3.0psf; BCDL=3.0psf; h=25ft; Cat. I; Exp C; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2)
 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber
 DOL=1.15 plate grip DOL=1.15
 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 ANS/ITPI 1.
 3) T CLL: ASCE 7-10; Pf=30.0 psf (flat roof snow); Category I; Exp C; Partially Exp.; Ctr=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) 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 891 lb uplift at joint 1 and 951 lb uplift at joint 5.
 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 Continued on page 2

BRACING.
TOP CHORD 2-0-0 oc purlins (2-9-12 max.), except end verticals (Switched from sheeted; Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 5-9-5 oc bracing.

WEIGHT: 98 lb FT = 20%