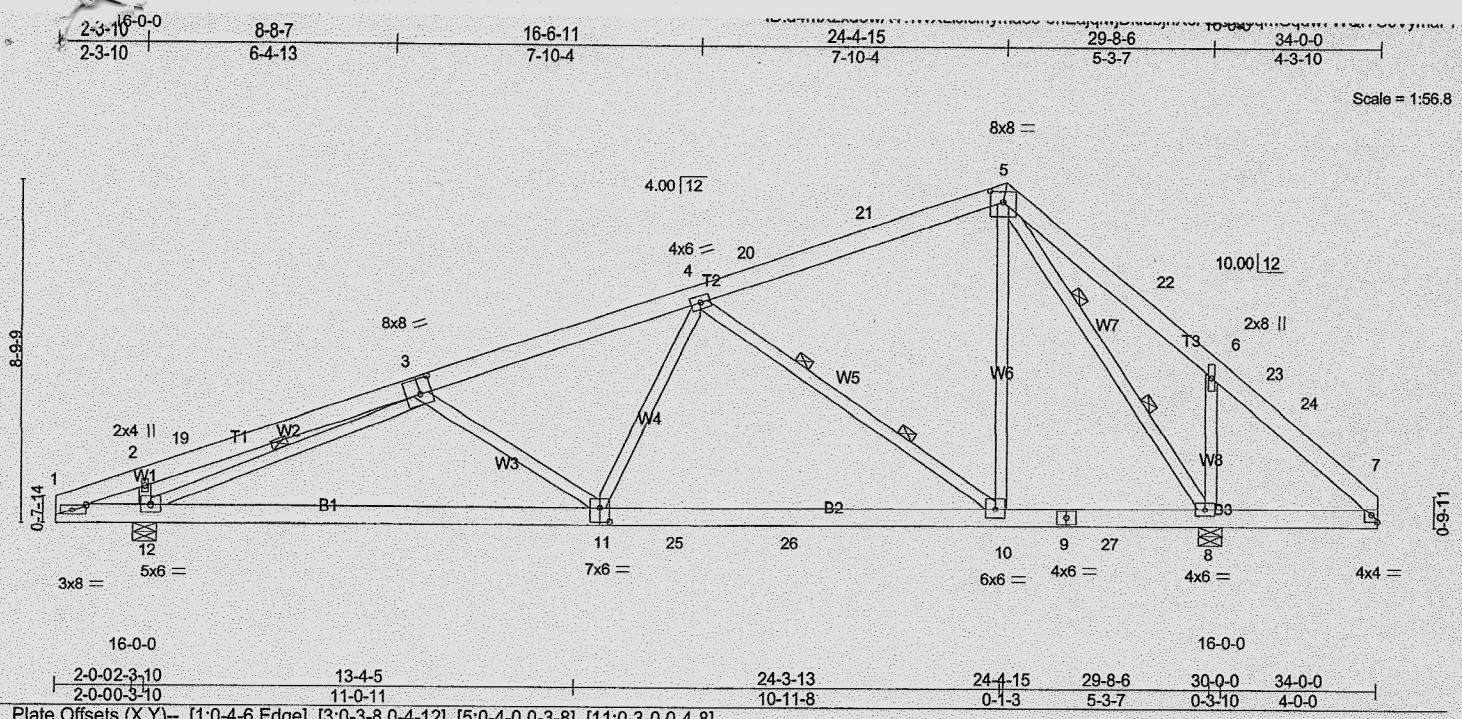


51147102





LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 69.3 (Ground Snow=90.0)	2-0-0 Plate Grip DOL 1.15	TC 0.80	in (loc) l/defl L/d	MT20	169/123
TCDL 10.0	Lumber DOL 1.15	BC 0.65	Vert(LL) -0.26 10-11 >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.97	Vert(TL) -0.38 10-11 >855 240		
BCDL 10.0	Code IBC2009/TPI2007	Matrix-MS	Horz(TL) 0.09 8 n/a n/a		
				Weight: 207 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SPF No.1 or 2x6 SPF No.2 or 2x6 SPF-S No.2 *Except*
 T2: 2x6 SP No.1
 BOT CHORD 2x6 SP No.1 *Except*
 B3: 2x6 SPF No.1 or 2x6 SPF No.2 or 2x6 SPF-S No.2
 WEBS 2x4 SPF No.1 or 2x4 SPF No.2 or 2x4 SPF-S No.2 *Except*
 W8: 2x4 SPF Stud or 2x4 SPF-S Stud, W7,W2: 2x4 SP No.1

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 7-8.
 WEBS 1 Row at midpt 3-12
 2 Rows at 1/3 pts 4-10, 5-8

Mitek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=3416/0-7-4 (min. 0-6-13), 12=2884/0-7-4 (min. 0-5-14)
 Max Horz 12=142(LC 10)
 Max Uplift 12=-23(LC 11)
 Max Grav 8=3416(LC 1), 12=2949(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-513/0, 2-19=-824/0, 3-19=-635/0, 3-4=-3862/14, 4-20=-1648/48, 20-21=-1389/61,
 5-21=-1387/74, 5-22=-34/749, 6-23=-65/750, 23-24=-76/592, 7-24=-90/347
 BOT CHORD 1-12=0/603, 11-12=0/4042, 11-25=0/3218, 25-26=0/3218, 10-26=0/3218, 9-10=0/1308,
 9-27=0/1308, 8-27=0/1308, 7-8=-266/104
 WEBS 3-11=-702/100, 4-11=0/763, 4-10=-2359/71, 6-8=-1458/177, 5-8=-2783/0, 5-10=0/1683,
 2-12=-1190/173, 3-12=-3800/125

- NOTES-**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 24-4-6, Exterior(2) 24-4-6 to 27-9-3 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 7-05; Pg= 90.0 psf (ground snow); Pf=69.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * 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, with BCDL = 10.0psf.
 - 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12. This connection is for uplift only and does not consider lateral forces.
 - 7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 1708NJC0306	Truss A01	Truss Type ROOF SPECIAL SUPPORT	Qty 2	Ply 1	Bob Fegen
LaValley Building Supply, Inc., Newport, NH 03773					Job Reference (optional)

Run: 8:110 s Jul 14 2017 Print: 8:110 s Jul 14 2017 MiTek Industries, Inc. Fri Aug 18 16:03:25 2017 Page 1
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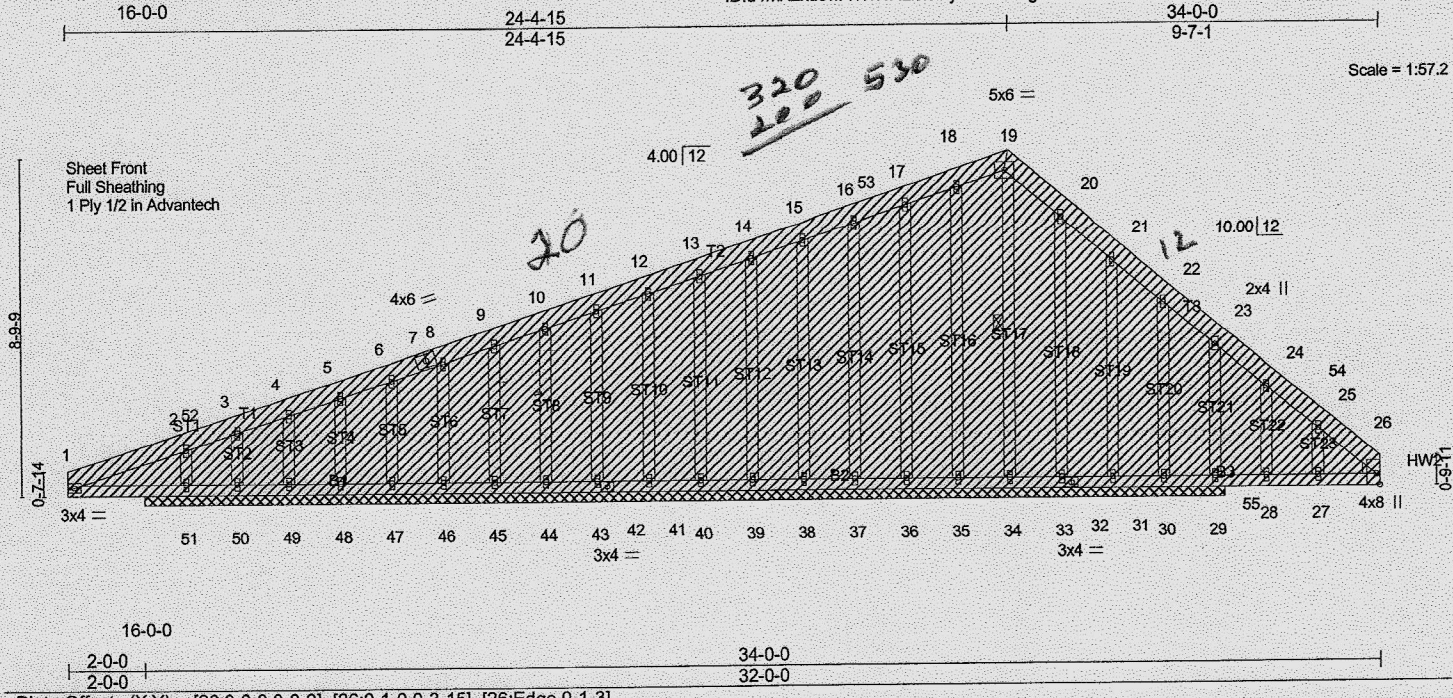


Plate Offsets (X,Y) = [26:0-0-8,0-0-9], [26:0-1-0,0-3-15], [26:Edge,0-1-3]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 69.3 (Ground Snow=90.0)	Plate Grip DOL 1.15	TC 0.53	Vert(LL) n/a - n/a 999	MT20	169/123
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(TL) -0.02 29 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007	Matrix-S			
				Weight: 603 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SPF No.1 or 2x6 SPF No.2 or 2x6 SPF-S No.2
 BOT CHORD 2x4 SPF No.1 or 2x4 SPF No.2 or 2x4 SPF-S No.2
 OTHERS 2x4 SPF No.1 or 2x4 SPF No.2 or 2x4 SPF-S No.2
 WEDGE
 Right: 2x4 SPF or SPF-S No.2 or No.1

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 19-34

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 28-0-0.
 (lb) - Max Horz 51=148(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 36, 37, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 51, 31, 30,
 29 except 50=370(LC 2)
 Max Grav All reactions 250 lb or less at joint(s) 40, 41, 43, 44, 45, 46, 47, 48, 50, 30 except 34=504(LC 3),
 35=326(LC 2), 36=296(LC 2), 37=293(LC 2), 38=291(LC 2), 39=266(LC 2), 49=317(LC 2), 51=1149(LC 2),
 33=459(LC 3), 31=422(LC 3), 29=1301(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-164/478, 2-52=-123/333, 3-52=-121/354, 3-4=-94/373, 4-5=-78/366, 5-6=-75/364,
 6-7=-71/333, 7-8=-67/364, 8-9=-68/364, 9-10=-65/364, 10-11=-61/364,
 11-12=-58/364, 12-13=-54/364, 13-14=-51/364, 14-15=-47/364, 15-16=-44/364,
 16-53=-40/325, 17-53=-38/367, 17-18=-37/369, 18-19=-32/336, 19-20=-31/473,
 20-21=-20/542, 21-22=-5/526, 22-23=0/355, 23-24=-66/738, 24-54=-75/567,
 25-54=-82/438, 25-26=-92/447
 BOT CHORD 1-51=-316/176, 50-51=-316/107, 49-50=-316/107, 48-49=-316/107, 47-48=-316/107,
 46-47=-316/107, 45-46=-316/107, 44-45=-316/107, 43-44=-316/107, 42-43=-316/107,
 41-42=-316/107, 40-41=-316/107, 39-40=-316/107, 38-39=-316/107, 37-38=-316/107,
 36-37=-316/107, 35-36=-316/107, 34-35=-316/107, 33-34=-319/107, 32-33=-319/107,
 31-32=-319/107, 30-31=-319/107, 29-30=-319/107, 29-55=-318/107, 28-55=-318/107,
 27-28=-318/107, 26-27=-318/107
 WEBS 19-34=-474/3, 18-35=-300/26, 17-36=-269/64, 16-37=-266/46, 15-38=-265/35,
 2-51=-930/157, 20-33=-447/22, 21-31=-341/51, 23-29=-936/180

NOTES-
 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Corner(3) 0-0-0 to 3-4-13, Exterior(2) 3-4-13 to 24-4-6, Corner(3) 24-4-6 to 27-9-3 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) TCLL: ASCE 7-05; Pg= 90.0 psf (ground snow); Pf=69.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 4) Unbalanced snow loads have been considered for this design.
 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 6) Gable studs spaced at 1-4-0 oc.
 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.