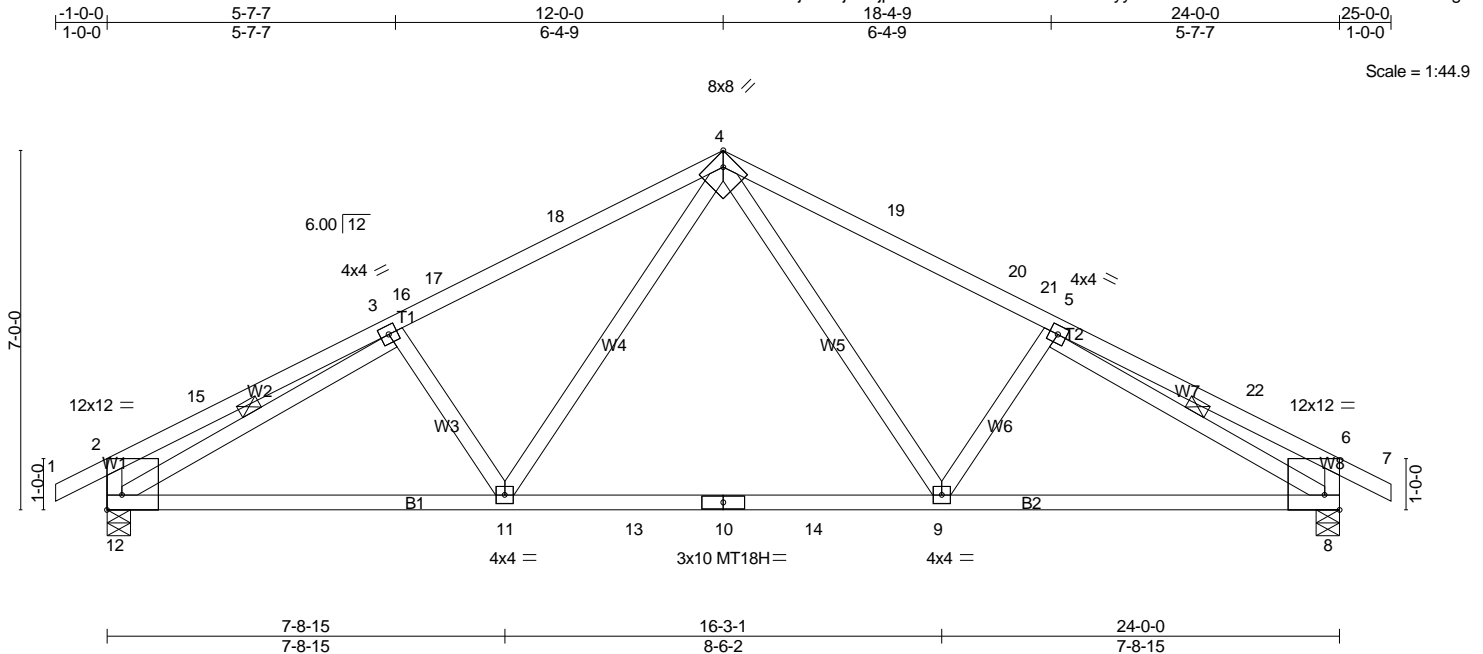


| | | | | | |
|---------------|--------------|--------------------|-----------|----------|--------------------------|
| Job 660255 | Truss 001 | Truss Type FINK | Qty 12 | Ply 1 | Job Reference (optional) |
|---------------|--------------|--------------------|-----------|----------|--------------------------|

Boise Structural Solutions, Biddeford, ME 04005

7.520 s May 1 2014 MiTek Industries, Inc. Tue Jul 01 15:11:19 2014 Page 1
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| | | | | | |
|---|---|---|--|---------------|--------------------|
| Plate Offsets (X,Y)-- [2:Edge,0-3-8], [4:0-2-12,Edge], [6:Edge,0-3-8] | | | | | |
| LOADING (psf) | SPACING | CSI. | DEFL. | PLATES | GRIP |
| TCLL 46.2 (Ground Snow=60.0) | 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 | TC 0.81 BC 0.68 WB 0.53 (Matrix) | in (loc) l/defl L/d Vert(LL) -0.32 9-11 >897 240 Vert(TL) -0.50 9-11 >567 180 Horz(TL) 0.08 8 n/a n/a | MT20 MT18H | 169/123 197/144 |
| TCDL 10.0 BCLL 0.0 * BCDL 10.0 | Rep Stress Incr YES Code IBC2009/TPI2007 | | | Weight: 96 lb | FT = 0% |

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
SLIDER Left 2x8 SP M 23 3-2-14, Right 2x8 SP M 23 3-2-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-2 oc bracing.
WEBS 1 Row at midpt 3-12, 5-8

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

REACTIONS. (lb/size) 12=1768/0-5-8 (min. 0-2-12), 8=1768/0-5-8 (min. 0-2-12)
Max Horz 12=138(LC 7)
Max Uplift 12=603(LC 8), 8=603(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-631/303, 3-15=-387/329, 3-16=-2249/851, 16-17=-2225/855, 17-18=-2097/869,
4-18=-1964/886, 4-19=-1964/886, 19-20=-2097/869, 20-21=-2225/855, 5-21=-2249/851,
5-22=-387/329, 6-22=-631/303, 2-12=-656/437, 6-8=-656/437
BOT CHORD 11-12=-566/2073, 11-13=-306/1525, 10-13=-306/1525, 10-14=-306/1525, 9-14=-306/1525,
8-9=-566/2073
WEBS 3-11=-505/347, 4-11=-226/787, 4-9=-226/787, 5-9=-505/347, 3-12=-1978/604,
5-8=-1978/604

- NOTES-** (12)
- 1) Wind: ASCE 7-05; 120mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 22-0-0 zone; cantilever 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= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) The solid section of the plate is required to be placed over the splice line at joint(s) 10.
 - 7) Plate(s) at joint(s) 10 checked for a plus or minus 5 degree rotation about its center.
 - 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, with BCDL = 10.0psf.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=603, 8=603.
 - 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard