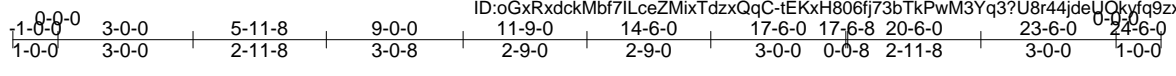


Job B1200258	Truss R	Truss Type FINK	Qty 40	Ply 1	Job Reference (optional)
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Sterling Component Systems, Westminster, CO Run: 73.350 s 5 Sep 27 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Tue Jan 08 10:56:20 2013 Page 1  
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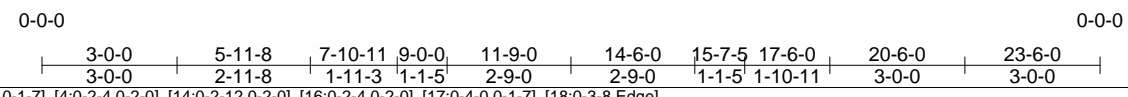
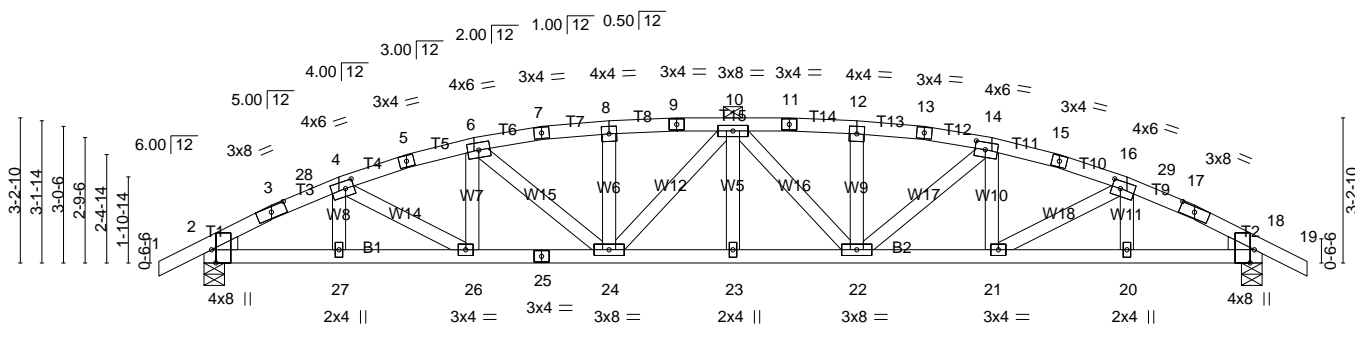


Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-4-0,0-1-7], [4:0-2-4,0-2-0], [14:0-2-12,0-2-0], [16:0-2-4,0-2-0], [17:0-4-0,0-1-7], [18:0-3-8,Edge]

<b>LOADING</b> (psf) TCLL 30.0 (Roof Snow=30.0) TCDL 10.0 BCLL 0.0 * BCDL 10.0	<b>SPACING</b> 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	<b>CSI</b> TC 0.32 BC 0.47 WB 0.08 (Matrix)	<b>DEFL</b> in (loc) l/defl L/d Vert(LL) -0.12 23 >999 240 Vert(TL) -0.24 23 >999 180 Horz(TL) 0.08 18 n/a n/a	<b>PLATES</b> MT20 <b>GRIP</b> 197/144  Weight: 100 lb FT = 0%
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**LUMBER**  
 TOP CHORD 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF 1650F 1.5E  
 WEBS 2x4 SPF 1650F 1.5E  
 WEDGE  
 Left: 2x4 SPF 1650F 1.5E, Right: 2x4 SPF 1650F 1.5E

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins, except 2-0-0 oc purlins (4-10-11 max.): 9-11.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS** (lb/size) 2=1250/0-5-8 (min. 0-1-15), 18=1250/0-5-8 (min. 0-1-15)  
 Max Horz 2=57(LC 7)  
 Max Uplift 2=-205(LC 7), 18=-205(LC 8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1901/286, 17-18=-1901/286, 3-28=-1834/285, 4-28=-1792/291, 4-5=-2094/368, 5-6=-2056/373, 6-7=-2193/405, 7-8=-2173/407, 8-9=-2161/410, 16-29=-1792/291, 17-29=-1834/285, 15-16=-2096/368, 14-15=-2059/374, 13-14=-2193/405, 12-13=-2173/407, 11-12=-2161/410, 9-10=-2157/410, 10-11=-2157/410  
 BOT CHORD 2-27=-221/1591, 26-27=-221/1591, 25-26=-293/1989, 24-25=-293/1989, 23-24=-318/2251, 22-23=-318/2251, 21-22=-291/1990, 20-21=-220/1591, 18-20=-220/1591  
 WEBS 4-26=-80/476, 6-24=-64/358, 14-22=-64/326, 16-21=-81/453

- NOTES**
- 1) Wind: ASCE 7-05; 110mph (3-second gust); TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
  - 2) TCLL: ASCE 7-05; Pf=30.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct= 1, Lu=50-0-0
  - 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 2.00 times flat roof load of 30.0 psf on overhangs non-concurrent with other live loads.
  - 5) Provide adequate drainage to prevent water ponding.
  - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 2 and 205 lb uplift at joint 18.
  - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

**LOAD CASE(S)** Standard