

BOT CHORD 2x4 SP SS WEBS 2x4 SP No.3

WEDGE

Left: 2x6 SP No.2, Right: 2x6 SP No.2

REACTIONS. (lb/size) A=1538/0-4-0, E=1538/0-4-0 Max Horz A=-84(LC 9)

Max UpliftA=-41(LC 8), E=-41(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension

A-B=-2431/89, B-C=-2118/76, C-D=-2118/77, D-E=-2431/89

BOT CHORD A-H=-93/2123, H-S=0/1520, G-S=0/1520, G-T=0/1520, F-T=0/1520, E-F=-9/2123 C-F=-23/636, D-F=-482/168, C-H=-23/636, B-H=-482/167

WFBS

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

3) All plates are MT20 plates unless otherwise indicated.

4) The solid section of the plate is required to be placed over the splice line at joint(s) G.

5) Plate(s) at joint(s) G checked for a plus or minus 5 degree rotation about its center.

- 5) Prate(s) at joint(s) Generated for a plus of minus 3 degree colorion, about its element.

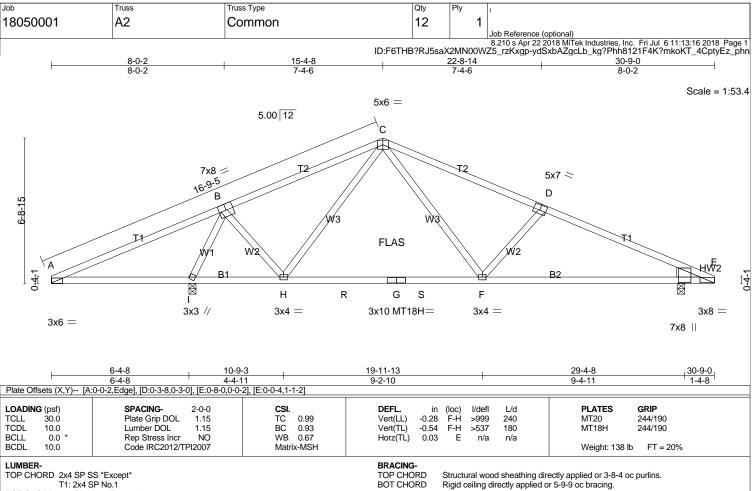
 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 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, with BCDL = 10.0psf.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint A and 41 lb uplift at joint E.

9) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



T1: 2x4 SP No.1 BOT CHORD 2x4 SP No.2 *Except* B2: 2x4 SP No.1

2x4 SP No.3 WEBS

WEDGE

Right: 2x6 SP No.2

REACTIONS. (lb/size) I=1897/0-4-0, E=1178/0-4-0

Max Horz I=-84(LC 9)
Max UpliftI=-58(LC 4), E=-52(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-123/1065, B-C=-588/81, C-D=-1333/99, D-E=-1665/111
BOT CHORD A-I=-868/135, H-I=-146/100, H-R=0/740, G-R=0/740, G-S=0/740, F-S=0/740, E-F=-29/1434

WEBS B-H=0/748, C-H=-540/56, C-F=-14/682, D-F=-515/166, B-I=-1955/101

NOTES-

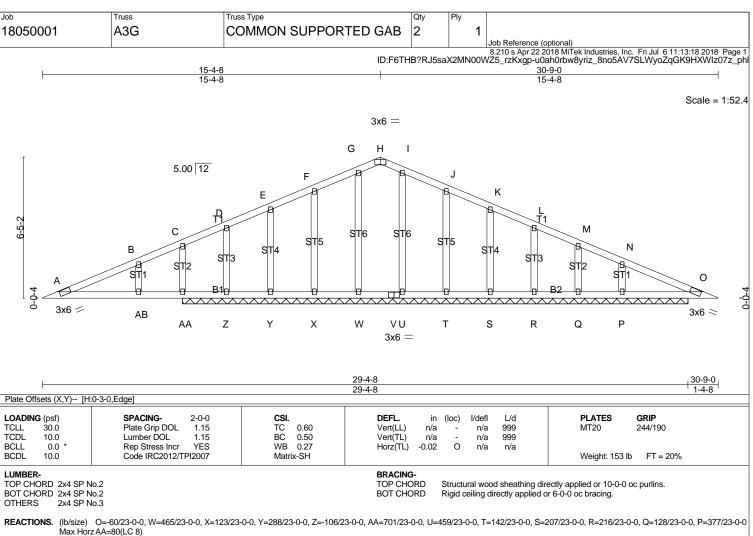
- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

3) All plates are MT20 plates unless otherwise indicated.

- 4) This truss has been designed for a 10.0 ps footom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0ps 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint I and 52 lb uplift at joint E.

 7) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Max Uplitt0=-151(LC 19), X=-36(LC 8), Y=-25(LC 8), Z=-106(LC 1), AA=-91(LC 4), T=-38(LC 9), S=-20(LC 9), R=-25(LC 9), Q=-15(LC 9), P=-43(LC 9)
Max Grav O=66(LC 20), W=465(LC 1), X=126(LC 19), Y=288(LC 1), Z=39(LC 4), AA=701(LC 1), U=459(LC 1), T=180(LC 20), S=207(LC 1), R=217(LC 20), Q=128(LC 1), P=377(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD A-B=-82/589, B-C=-58/623, C-D=-26/538, D-E=-13/591, E-F=0/575, F-G=0/599, G-H=0/472, H-I=0/468, I-J=0/599, J-K=0/576, K-L=-7/580, L-M=-26/583, M-N=-42/566, N-O=-73/610 **BOT CHORD** A-AB=-507/86, AA-AB=-507/86, Z-AA=-507/75, Y-Z=-507/75, X-Y=-507/75, W-X=-507/75, U-V=-507/75, U-V=-507/75, S-T=-507/75, R-S=-507/75, R-S=-507/75, P-Q=-507/75, P-Q=-507/75, D-V=-507/75, D

G-W=-422/3 F-X=-98/61 F-Y=-203/46 D-7=-22/45 C-AA=-382/60 B-AB=-100/55 I-U=-420/0 J-T=-140/62 K-S=-169/44 I-R=-170/50 M-Q=-115/36 N-P=-277/75

WEBS

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope)

- gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 2x3 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint O, 36 lb uplift at joint X, 25 lb uplift at joint Y, 106 lb uplift at joint Z, 91 lb uplift at joint AA, 38 lb uplift at joint T, 20 lb uplift at joint S, 25 lb uplift at joint R, 15 lb uplift at joint Q and 43 lb uplift at joint P.
- 9) Non Standard bearing condition. Review required.
- 10) This truss is designed in accordance with the 2012 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard