

LOADING (psf) TCLL 46.2 (Ground Snow=60.0) TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	CSI. TC 0.10 BC 0.11 WB 0.52 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 18 n/a n/a	PLATES GRIP MT20 169/123 Weight: 155 lb FT = 0%
BCDL 10.0	000012020071112007	man st Gri		11 o.g. 11 1 o 70

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.5E BOT CHORD 2x4 SPF 1650F 1.5E OTHERS 2x4 SPF-S No.2

BRACING-

TOP CHORD BOT CHORD WEBS Structural wood sheathing directly applied or 10-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

1 Row at midpt 9-24

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

REACTIONS. All bearings 26-0-0.

(lb) - Max Horz 30=394(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 23, 22, 21, 20 except 29=-266(LC 8), 30=-271(LC 7),

19=-245(LC 7), 18=-127(LC 8)

Max Grav All reactions 250 lb or less at joint(s) 19 except 24=341(LC 1), 25=394(LC 13), 26=357(LC 13),

27=274(LC 13), 28=277(LC 13), 29=268(LC 7), 30=433(LC 13), 23=397(LC 14), 22=356(LC 14), 21=275(LC 14),

20=277(LC 14), 18=429(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-261/280, 6-31=-7/250, 7-31=-6/257, 7-8=-16/351, 8-9=-25/397, 9-10=-26/397,

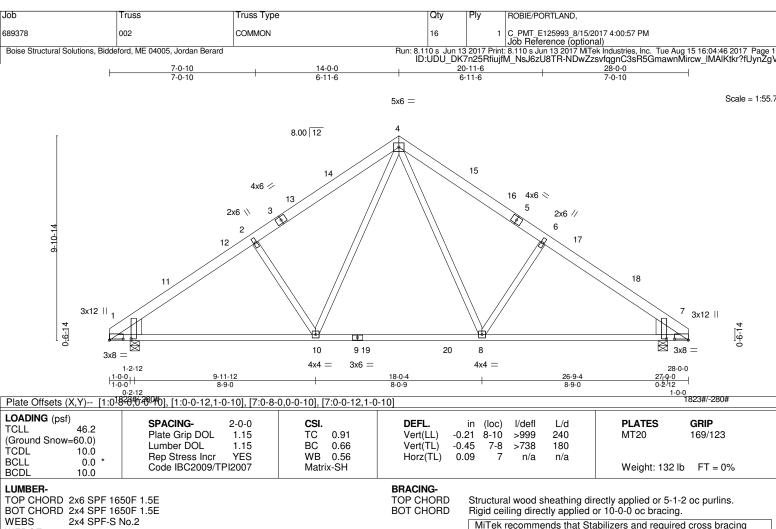
10-11=-13/350, 11-32=0/256

WEBS 9-24=-303/0, 8-25=-354/65, 7-26=-315/148, 2-30=-346/177, 10-23=-356/58,

11-22=-315/148, 16-18=-343/97

NOTES- (13-14)

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 17-0-0 to 25-0-0 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) Truss designed for wind loads in the plane of the truss only. For stude 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= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) All plates are 1.5x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc.
- 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.
- 10) Provide mechanical control and only others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 23, 22 , 21, 20 except (jt=lb) 29=266, 30=271, 19=245, 18=127.
- 11) Non Standard bearing condition. Review required.
- 12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) Dimensions are in feet-inches-sixteenths
- 14) Drawing prepared exclusively for manufacturing by Boise Cascade.



be installed during truss erection, in accordance with Stabilizer

Installation guide.

WEDGE

Left: 2x10 SP M 23, Right: 2x10 SP M 23

REACTIONS. (lb/size) 1=1823/0-5-8 (min. 0-2-14), 7=1823/0-5-8 (min. 0-2-14)

Max Horz 1=394(LC 8)

Max Uplift1=-280(LC 9), 7=-280(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-11=-2622/462, 11-12=-2470/463, 2-12=-2273/489, 2-3=-2253/505, 3-13=-2113/515,

13-14=-2007/527, 4-14=-1999/547, 4-15=-1999/547, 15-16=-2007/527, 5-16=-2113/515,

5-6=-2253/505, 6-17=-2273/489, 17-18=-2470/463, 7-18=-2622/462

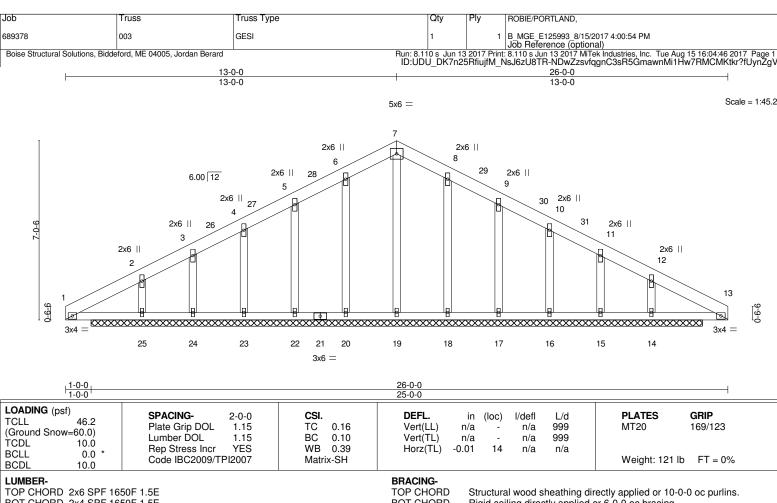
BOT CHORD 1-10=-271/2038, 10-19=-47/1348, 9-19=-47/1348, 9-20=-47/1348, 8-20=-47/1348,

7-8=-271/2038

WEBS 4-8=-192/924, 6-8=-791/328, 4-10=-192/924, 2-10=-791/327

NOTES- (9-10)

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 17-0-0 to 24-9-4 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=280, 7=280.
- 8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) Dimensions are in feet-inches-sixteenths
- 10) Drawing prepared exclusively for manufacturing by Boise Cascade.



BOT CHORD 2x4 SPF 1650F 1.5E **OTHERS** 2x4 SPF-S No.2

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing

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

All bearings 24-0-0. REACTIONS.

(lb) - Max Horz 25=-115(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 20, 22, 23, 24, 18, 17, 16, 15 except 25=-138(LC 9), 14=-143(LC

Max Grav All reactions 250 lb or less at joint(s) 24, 15 except 19=449(LC 1), 20=390(LC 13), 22=341(LC 13), 23=319(LC 13), 25=589(LC 13), 18=390(LC 14), 17=341(LC 14), 16=319(LC 14), 14=589(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-177/381, 2-3=-31/293, 3-26=0/273, 4-26=0/328, 5-27=0/323, 6-28=0/328, 6-7=0/300,

7-8=0/300, 8-29=0/328, 9-30=0/323, 10-31=0/328, 11-31=0/273, 11-12=-22/293,

12-13=-177/381

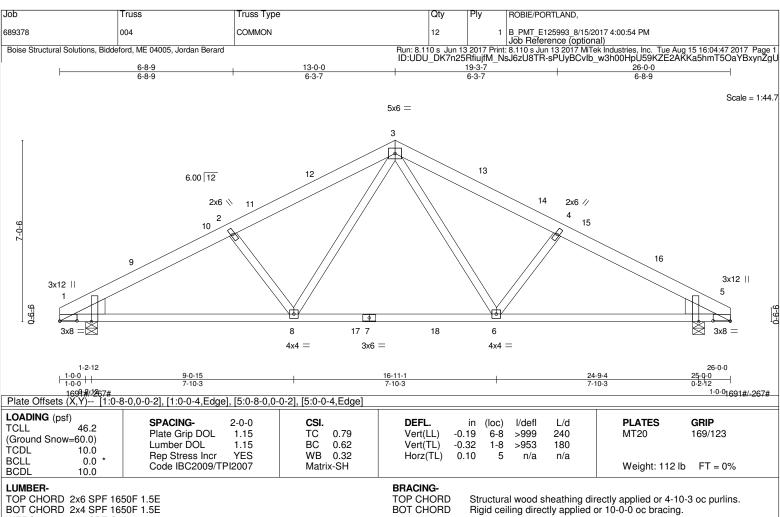
WEBS 7-19=-409/0, 6-20=-349/177, 5-22=-304/153, 4-23=-266/130, 2-25=-475/295,

8-18=-349/177, 9-17=-304/153, 10-16=-266/130, 12-14=-475/295

NOTES-(13-14)

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 10-0-0, Corner(3) 10-0-0 to 13-0-0, Exterior(2) 16-0-0 to 23-0-0 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) 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= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) All plates are 1.5x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) 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 chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 22, 23, 24, 18, 17 16, 15 except (jt=lb) 25=138, 14=143.
- 11) Non Standard bearing condition. Review required.
- 12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) Dimensions are in feet-inches-sixteenths
- 14) Drawing prepared exclusively for manufacturing by Boise Cascade.



MiTek recommends that Stabilizers and required cross bracing

be installed during truss erection, in accordance with Stabilizer

Installation guide.

TOP CHORD 2x6 SPF 1650F 1.5E BOT CHORD 2x4 SPF 1650F 1.5E 2x4 SPF-S No.2 WFBS

WEDGE

Left: 2x8 SP M 23, Right: 2x8 SP M 23

REACTIONS. (lb/size) 1=1691/0-5-8 (min. 0-2-10), 5=1691/0-5-8 (min. 0-2-10)

Max Horz 1=-115(LC 7)

Max Uplift1=-267(LC 9), 5=-267(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD

1-9=-2906/589, 9-10=-2780/607, 2-10=-2602/610, 2-11=-2500/571, 11-12=-2328/585, 3-12=-2322/602, 3-13=-2322/602, 13-14=-2328/585, 4-14=-2500/571, 4-15=-2602/610,

15-16=-2780/607, 5-16=-2906/589

BOT CHORD $1-8=-431/2472,\ 8-17=-187/1654,\ 7-17=-187/1654,\ 7-18=-187/1654,\ 6-18=-187/1654,$

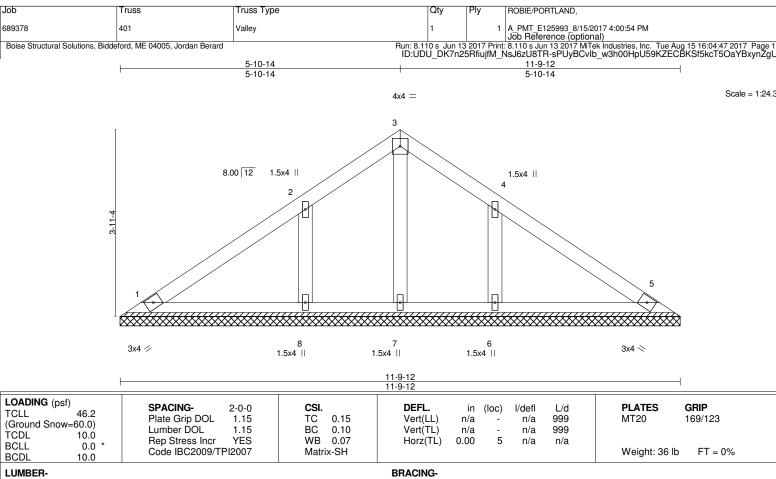
5-6=-431/2472

3-6=-153/943, 4-6=-791/282, 3-8=-153/943, 2-8=-791/282

NOTES-

WEBS

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 16-0-0 to 22-9-4 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=267,
- 8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) Dimensions are in feet-inches-sixteenths
- 10) Drawing prepared exclusively for manufacturing by Boise Cascade.



TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD 2x4 SPF 1650F 1.5E OTHERS 2x4 SPF-S No.2 TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. 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. All bearings 11-9-12.

(lb) - Max Horz 1=-150(LC 7)

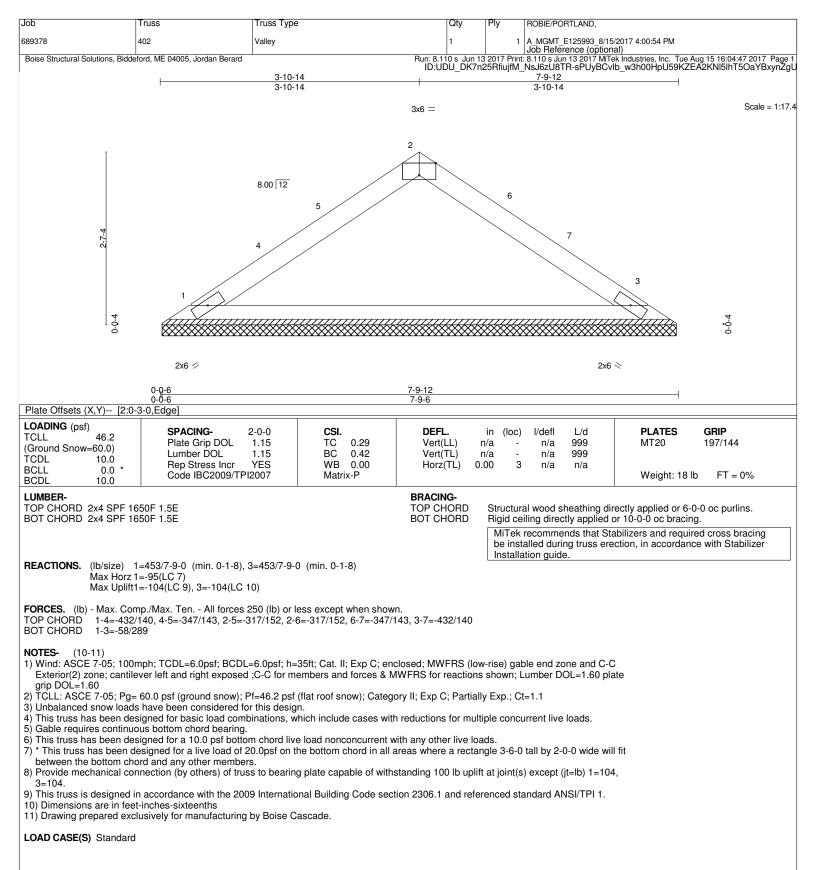
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-199(LC 9), 6=-199(LC 10) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=503(LC 13), 6=503(LC 14)

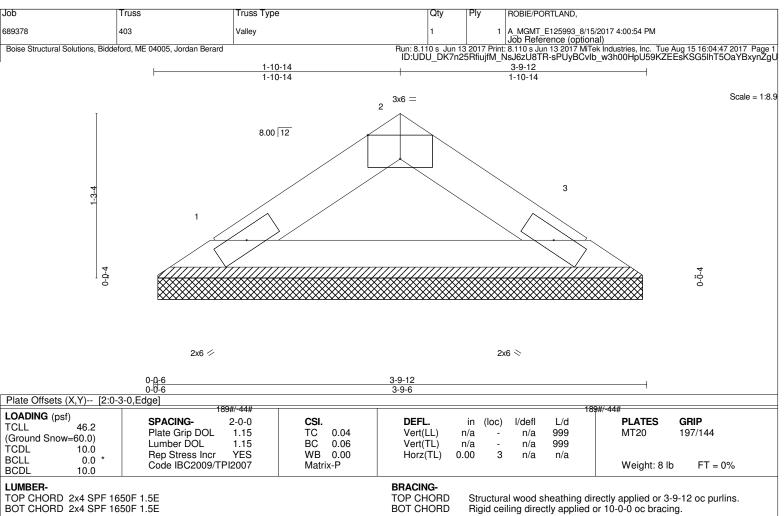
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 2-8=-395/212, 4-6=-395/212

NOTES- (12-13)

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 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) 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= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=199, 6=199.
- 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Dimensions are in feet-inches-sixteenths
- 13) Drawing prepared exclusively for manufacturing by Boise Cascade.





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REACTIONS. (lb/size) 1=189/3-9-0 (min. 0-1-8), 3=189/3-9-0 (min. 0-1-8)

Max Horz 1=39(LC 8)

Max Uplift1=-44(LC 9), 3=-44(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.

5) Gable requires continuous bottom chord bearing.

- 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 chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

10) Dimensions are in feet-inches-sixteenths

11) Drawing prepared exclusively for manufacturing by Boise Cascade.