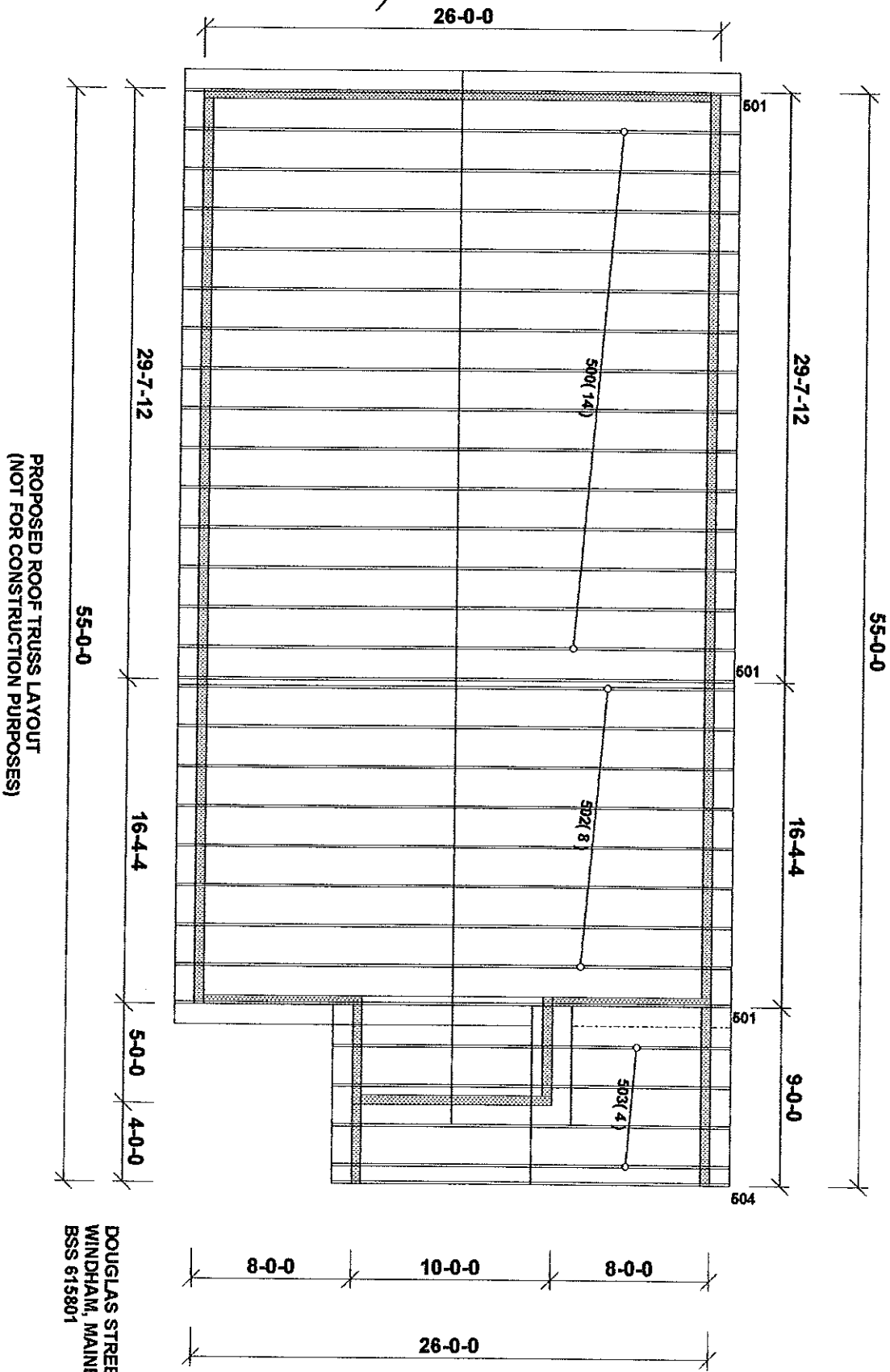


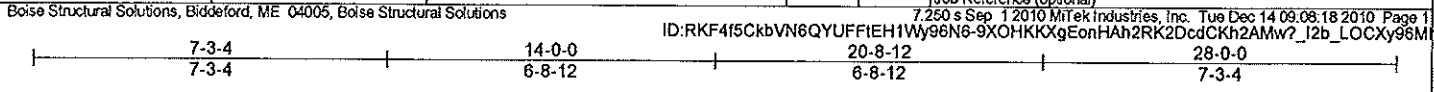
TO: Don McPherson
 From: Gray Doucette -



DOUGLAS STREET RESIDENCE
 WINDHAM, MAINE
 BSS 615801

| | | | | | |
|---------------|--------------|-------------------|----------|----------|-----|
| Job 615801 | Truss 500 | Truss Type REG | Qty 1 | Ply 1 | 0 0 |
|---------------|--------------|-------------------|----------|----------|-----|

Job Reference (optional)
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Scale = 1/4" = 1'-0"

| | | | | |
|-------|-------|--------|--------|--------|
| 1-0-0 | 9-5-9 | 18-6-7 | 27-0-0 | 28-0-0 |
| 1-0-0 | 8-5-9 | 9-0-15 | 8-5-9 | 1-0-0 |

Plate Offsets (X,Y): [1.0-0.0,0-0.4], [1.0-0.12,1-5.5], [5.0-0.0,0-0.4], [5.0-0.12,1-5.5]

| | | | | |
|--|--|--|---|---|
| LOADING (psf) TCLL 60.0 (Roof Snow=60.0) TCDL 10.0 BCLL 0.0 BCDL 10.0 | SPACING 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2003/TPI2002 | CSI TC 0.95 BC 0.77 WB 0.33 (Matrix) | DEFL in (loc) l/defl L/d Vert(LL) -0.36 6-8 >921 240 Vert(TL) -0.51 6-8 >642 180 Horz(TL) 0.12 5 n/a n/a | PLATES GRIP MT20 197/144 Weight: 129 lb FT = 0% |
|--|--|--|---|---|

LUMBER
TOP CHORD 2 X 6 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 2100F 1.8E
WEBS 2 X 4 SPF 1650F 1.5E
WEDGE Left 2 X 10 SYP M 23, Right 2 X 10 SYP M 23

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.

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

REACTIONS (lb/size) 1=2283/0-5-8 (min. 0-3-7), 5=2283/0-5-8 (min. 0-3-7)
Max Horz 1=179(LC 7)
Max Uplift 1=607(LC 8), 5=607(LC 9)
Max Grav 1=2697(LC 2), 5=2696(LC 3)

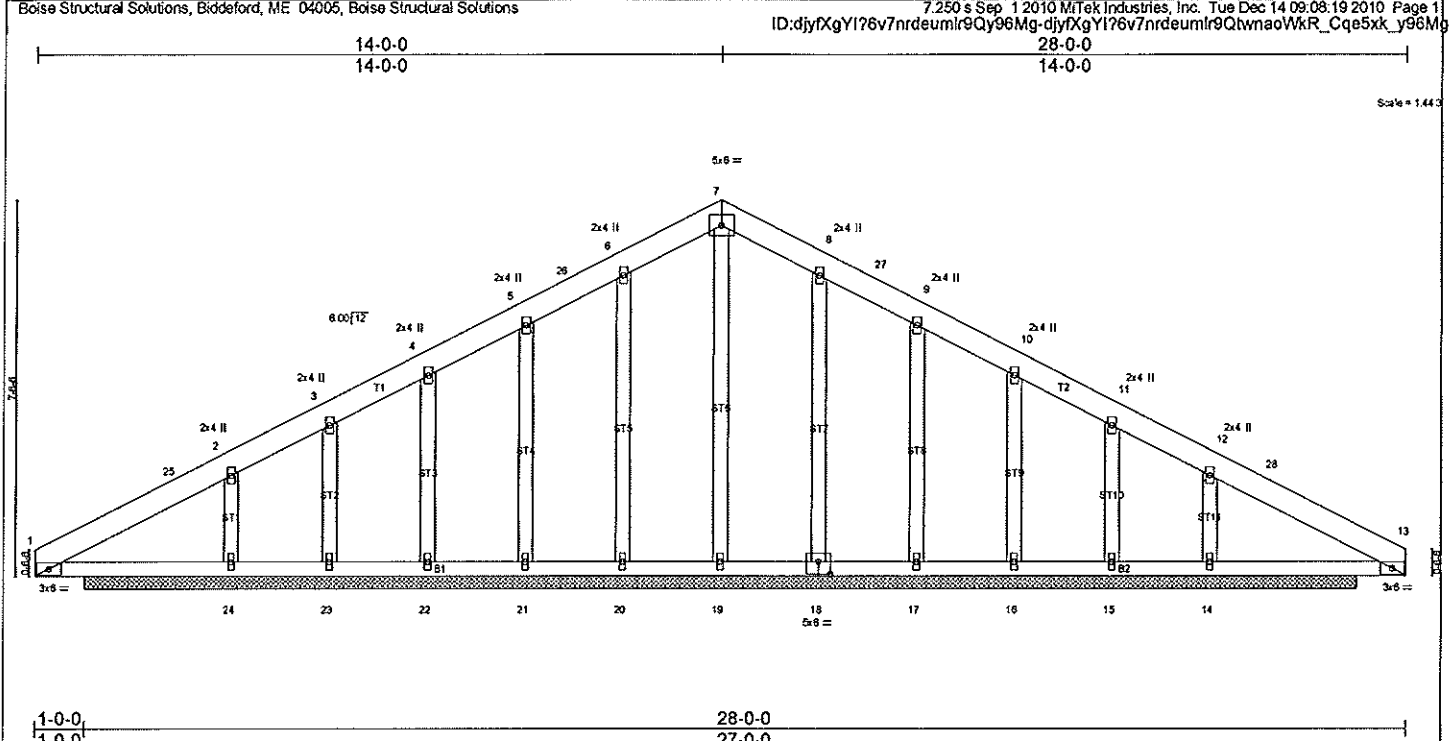
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-4504/1206, 10-11=-4264/1206, 2-11=-3929/1225, 2-12=-3741/1192, 3-12=-3361/1219, 3-13=-3361/1219, 4-13=-3741/1192, 4-14=-3929/1225, 14-15=-4264/1206, 5-15=-4503/1206
BOT CHORD 1-8=-930/3773, 8-9=-499/2314, 7-9=-499/2314, 6-7=-499/2314, 5-6=-930/3773
WEBS 2-8=-1439/453, 3-8=-356/1812, 3-6=-356/1812, 4-6=-1439/453

- NOTES (8)**
- 1) Wind: ASCE 7-02; 120mph; TCDL=5.0psf; BCDL=5.0psf; 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 7-02; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Cf=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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by other(s) of truss to bearing plate capable of withstanding 607 lb uplift at joint 1 and 607 lb uplift at joint 5.
 - 7) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TPI 1.
 - 8) Drawing prepared exclusively for manufacturing by Wood Structures Inc.

LOAD CASE(S) Standard

| | | | | | |
|---------------|--------------|-------------------|----------|----------|-----|
| Job 615801 | Truss 501 | Truss Type GER | Qty 1 | Ply 1 | 0 0 |
|---------------|--------------|-------------------|----------|----------|-----|

Job Reference (optional)
7.250 s Sep 1 2010 MiTek Industries, Inc. Tue Dec 14 09:08:19 2010 Page 1
ID:djyfXgYl?6v7nrdeumlr9Qy96Mg-djyfXgYl?6v7nrdeumlr9QvhwaoVwK_R_Cqe5xk_y96Mg



| | |
|---------------------------------------|---------------------------|
| Plate Offsets (X,Y): {18.0-3.0,0.3-0} | |
| LOADING (psf) | SPACING 2-0-0 |
| TCLL 60.0 | Plates Increase 1.15 |
| (Roof Snow=60.0) | Lumber Increase 1.15 |
| TCDL 10.0 | Rep Stress Incr YES |
| BCLL 0.0 | Code IRC2003/TPI2002 |
| BCDL 10.0 | |
| CSI | DEFL in (loc) l/defl L/d |
| TC 0.70 | Vert(LL) n/a - n/a 999 |
| BC 0.43 | Vert(TL) n/a - n/a 999 |
| WB 0.37 | Horz(TL) -0.02 14 n/a n/a |
| (Matrix) | |
| | PLATES GRIP |
| | MT20 197/144 |
| | Weight: 140 lb FT = 0% |

LUMBER
TOP CHORD 2 X 6 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 1650F 1.5E
OTHERS 2 X 4 SPF 1650F 1.5E

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.

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 24=-179(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 20, 18 except 21=-107(LC 9), 22=-110(LC 8), 23=-252(LC 2), 24=-361(LC 8), 17=-107(LC 8), 16=-111(LC 9), 15=-252(LC 3), 14=-365(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 19=748(LC 1), 20=627(LC 2), 21=536(LC 2), 22=654(LC 2), 23=452(LC 3), 24=1616(LC 2), 18=627(LC 3), 17=536(LC 3), 16=654(LC 3), 15=452(LC 2), 14=1616(LC 3)

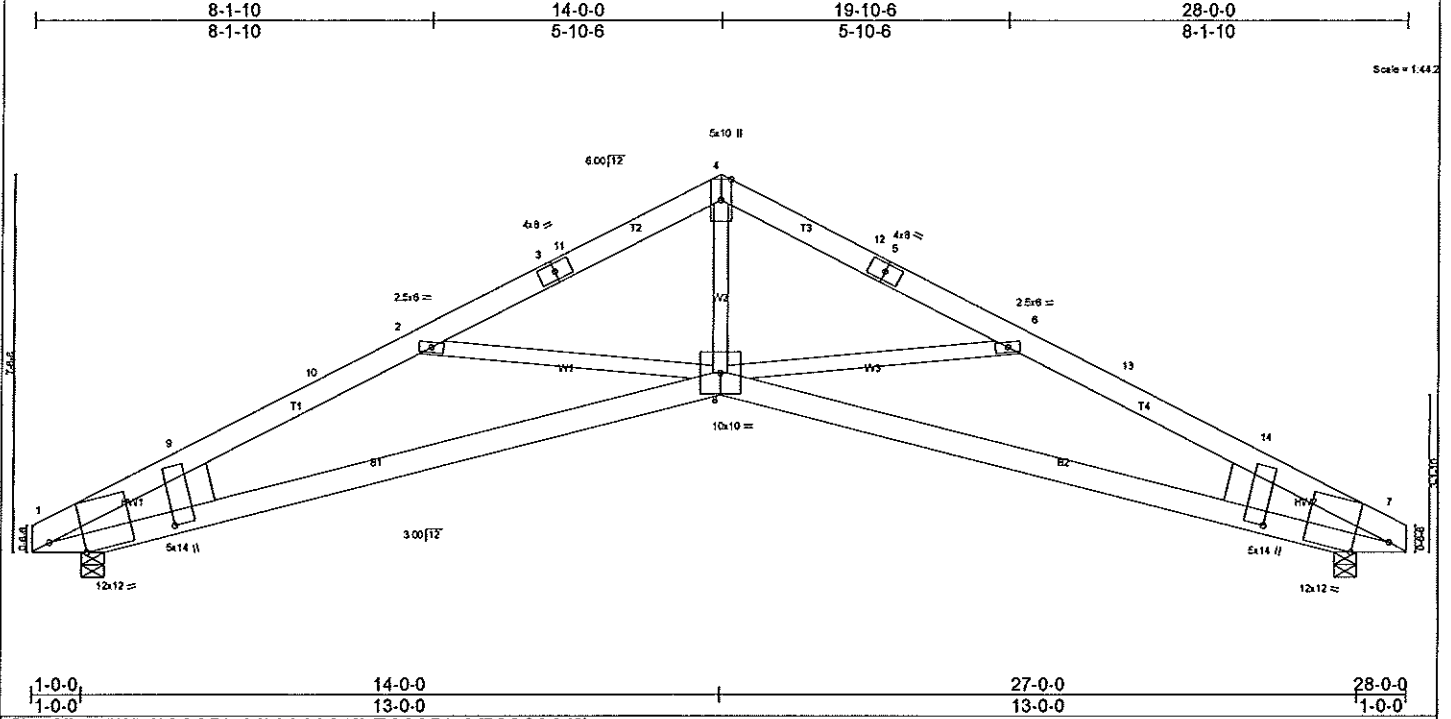
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-222/638, 2-25=-206/741, 2-3=-59/551, 3-4=-12/568, 4-5=0/557, 5-26=0/453, 6-26=0/566, 6-7=0/524, 7-8=0/524, 8-27=0/566, 9-27=0/453, 9-10=0/557, 10-11=-12/568, 11-12=-51/551, 12-28=-206/741, 13-28=-222/638
BOT CHORD 1-24=-444/270, 23-24=-444/270, 22-23=-444/270, 21-22=-444/270, 20-21=-444/270, 19-20=-444/270, 18-19=-444/270, 17-18=-444/270, 16-17=-444/270, 15-16=-444/270, 14-15=-444/270, 13-14=-444/270
WEBS 7-19=-628/0, 6-20=-506/158, 5-21=-423/153, 4-22=-527/145, 3-23=-325/117, 2-24=-1344/369, 8-18=-506/158, 9-17=-423/153, 10-16=-527/145, 11-15=-325/111, 12-14=-1344/372

- NOTES** (12)
- 1) Wind: ASCE 7-02; 120mph; TCDL=5.0psf, BCDL=5.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 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 studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - 3) TCLL: ASCE 7-02; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully 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 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 18 except (l=lb) 21=107, 22=110, 23=252, 24=361, 17=107, 16=111, 15=252, 14=365.
 - 10) Non Standard bearing condition. Review required.
 - 11) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TPI 1.
 - 12) Drawing prepared exclusively for manufacturing by Wood Structures Inc.

LOAD CASE(S) Standard

| | | | | | |
|---|--------------|-------------------|----------|----------|--------------------------|
| Job 615801 | Truss 502 | Truss Type SCI | Qty 1 | Ply 1 | 0 0 |
| Boise Structural Solutions, Biddeford, ME 04005, Boise Structural Solutions | | | | | Job Reference (optional) |

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 ID:5wV110ZwmP1_P?CqRTG4ldy96Mf-5wV110ZwmP1_P?CqRTG4ldQ1w_0rTIML2lqVGQy96Mf



| | | | |
|---|--|---|---|
| 1-0-0, 1-0-0 | 14-0-0 13-0-0 | 27-0-0 13-0-0 | 28-0-0 1-0-0 |
| Plate Offsets (X,Y): [1:0-8,Edge], [1:0-3-8,2-6-13], [7:0-8-8,Edge], [7:0-3-8,2-6-13] | | | |
| LOADING (psf) TCLL 60.0 (Roof Snow=60.0) TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2003/TPI2002 | CSI TC 0.93 BC 0.93 WB 0.94 (Matrix) | DEFL in (loc) l/defl L/d Vert(LL) -0.47 1-8 >699 240 Vert(TL) -0.87 1-8 >378 180 Horz(TL) 0.50 7 n/a n/a |
| | | | PLATES GRIP MT20 197/144 Weight: 154 lb FT = 0% |

LUMBER
 TOP CHORD 2 X 6 SPF 1650F 1.5E
 BOT CHORD 2 X 6 SPF 1650F 1.5E
 WEBS 2 X 4 SPF 1650F 1.5E
 WEDGE
 Left: 2 X 10 SYP M 23, Right: 2 X 10 SYP M 23

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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

REACTIONS (lb/size) 1=2203/0-5-8 (min. 0-3-15), 7=2203/0-5-8 (min. 0-3-15)
 Max Horz 1=184(LC 7)
 Max Uplift 1=607(LC 8), 7=607(LC 9)
 Max Grav 1=2616(LC 2), 7=2616(LC 3)

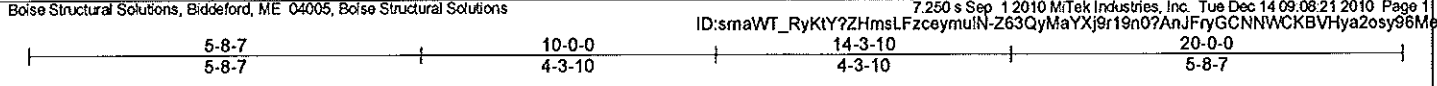
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-9=6927/1890, 9-10=6561/1893, 2-10=6306/1912, 2-3=-4772/1369, 3-11=-4570/1381, 4-11=-4570/1394, 4-12=-4570/1394,
 5-12=-4570/1381, 5-6=-4772/1369, 6-13=6306/1912, 13-14=6561/1893, 7-14=6927/1890
 BOT CHORD 1-8=-1549/5943, 7-8=-1549/5943
 WEBS 4-8=-798/3248, 2-8=-2153/679, 6-8=-2153/688

- NOTES** (9)
- 1) Wind: ASCE 7-02; 120mph; TCDL=5.0psf; BCDL=5.0psf; 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 7-02; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully 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 reangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 - 6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSITPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=607, 7=607.
 - 8) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSITPI 1.
 - 9) Drawing prepared exclusively for manufacturing by Wood Structures Inc.

LOAD CASE(S) Standard

| | | | | | |
|--------|-------|------------|-----|-----|----|
| Job | Truss | Truss Type | Qty | Ply | 00 |
| 615801 | 503 | REG | 1 | 1 | |

Job Reference (optional)
7.250 s Sep 1 2010 MiTek Industries, Inc. Tue Dec 14 09:08:21 2010 Page 1



Scale = 1/316

Plate Offsets (X,Y): [1:0-2-0,0-0-2], [1:0-0-4,Edge], [5:0-0-4,Edge], [6:0-2-0,0-0-2], [6:0-4-0,0-3-4]

| | | | | | |
|---|--|---|--|---------------|-------------|
| LOADING (psf) | SPACING | CSI | DEFL | PLATES | GRIP |
| TCLL 60.0 (Roof Snow=60.0) TCDL 10.0 BCLL 0.0 * BCDL 10.0 | 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IRC2003/TPI2002 | TC 0.64 BC 0.84 WB 0.39 (Matrix) | in (loc) l/defl L/d Vert(LL) -0.14 1-6 >999 240 Vert(TL) -0.36 5-6 >645 180 Horz(TL) 0.08 5 n/a n/a | MT20 | 197/144 |
| | | | | Weight: 88 lb | FT = 0% |

LUMBER
TOP CHORD 2 X 6 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF No 2
WEBS 2 X 4 SPF 1650F 1.5E
WEDGE
Left: 2 X 8 SYP M 23, Right: 2 X 8 SYP M 23

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc putlins.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.

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

REACTIONS (lb/size) 1=1563/0-5-8 (min. 0-2-15), 5=1563/0-5-8 (min. 0-2-15)
Max Horz 1=129(LC 6)
Max Uplift 1=458(LC 8), 5=458(LC 9)
Max Grav 1=1856(LC 2), 5=1856(LC 3)

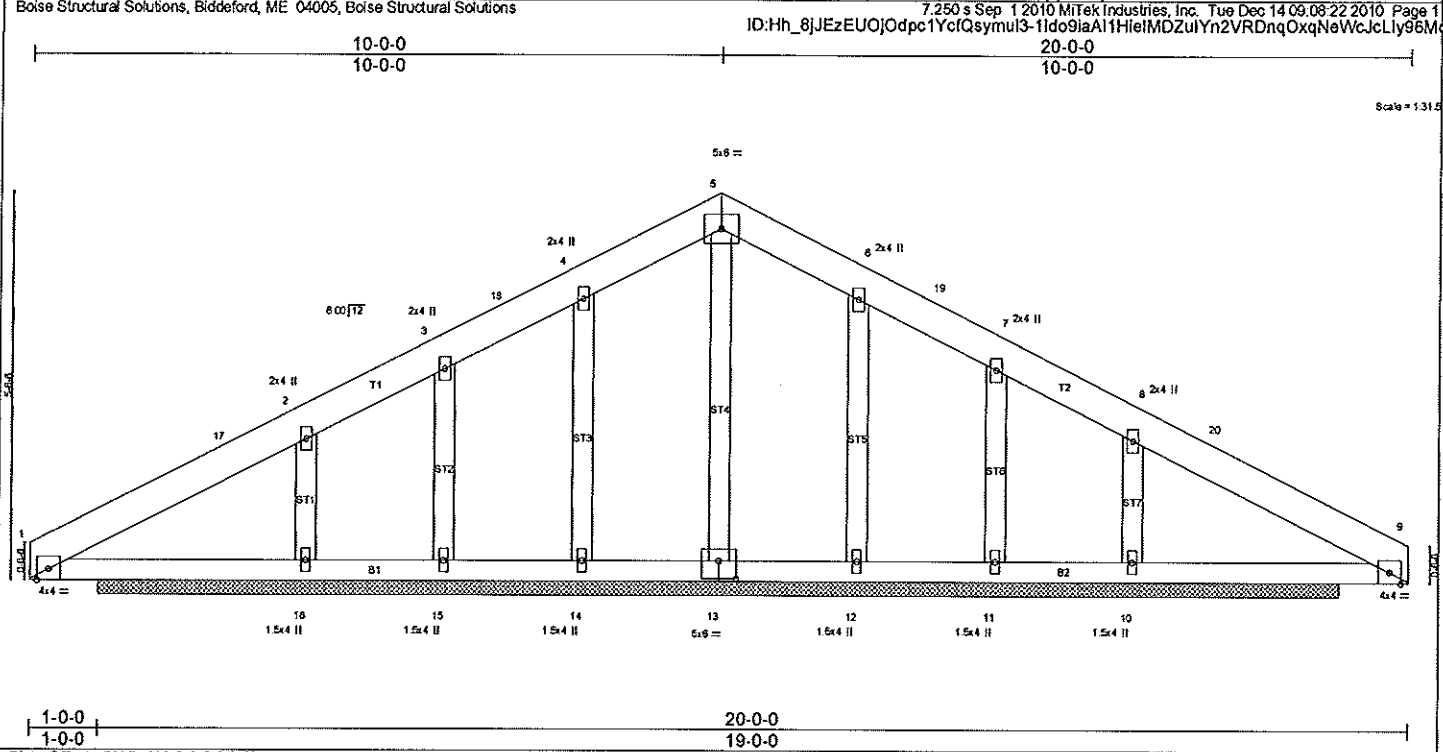
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-2888/907, 2-7=-2626/921, 2-8=-1902/730, 8-9=-1869/730, 3-9=-1647/748, 3-10=-1647/748, 10-11=-1869/730, 4-11=-1902/730,
4-12=-2626/921, 5-12=-2888/907
BOT CHORD 1-6=-683/2385, 5-6=-683/2385
WEBS 2-6=-1195/403, 3-6=-324/962, 4-6=-1195/404

- NOTES (8)**
- Wind: ASCE 7-02; 120mph; TCCL=5.0psf, BCDL=5.0psf, 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 7-0-0, Exterior(2) 7-0-0 to 10-0-0, Interior(1) 13-0-0 to 16-9-4 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
 - TCLL: ASCE 7-02; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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 1-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=458, 5=458.
 - This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSITPI 1.
 - Drawing prepared exclusively for manufacturing by Wood Structures Inc.

LOAD CASE(S) Standard

| | | | | | |
|---------------|--------------|-------------------|----------|----------|-----|
| Job 615801 | Truss 504 | Truss Type GER | Qty 1 | Ply 1 | 0 0 |
|---------------|--------------|-------------------|----------|----------|-----|

Job Reference (optional)
7.250 s Sep 1 2010 MiTek Industries, Inc. Tue Dec 14 09:08:22 2010 Page 1
ID:Hh_8jJEzEU0jOdpC1YcfQsymul3-1ldo9iaA11HieIMDZulYn2VRDnqOxqNeWcJcLly96M



| | |
|---------------------------------------|---------------------------|
| Plate Offsets (X,Y): [13.0-3-0-0-3-0] | |
| LOADING (psf) | SPACING 2-0-0 |
| TCLL 60.0 | Plates Increase 1.15 |
| (Roof Snow=60.0) | Lumber Increase 1.15 |
| TCDL 10.0 | Rep Stress Incr YES |
| BCLL 0.0 * | Code IRC2003/TPI2002 |
| BCDL 10.0 | |
| CSI | DEFL in (loc) Vdefl L/d |
| TC 0.69 | Vert(LL) n/a - n/a 999 |
| BC 0.42 | Vert(TL) n/a - n/a 999 |
| WB 0.20 | Horz(TL) -0.01 10 n/a n/a |
| (Matrix) | |
| | PLATES GRIP |
| | MT20 197/144 |
| | Weight: 88 lb FT = 0% |

LUMBER
TOP CHORD 2 X 6 SPF 1650F 1.5E
BOT CHORD 2 X 4 SPF 1650F 1.5E
OTHERS 2 X 4 SPF 1650F 1.5E

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.

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

REACTIONS All bearings 18-0-0.
(b) - Max Horz 16=-129(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 14, 12 except 15=-247(LC 2), 16=-361(LC 8), 11=-247(LC 3), 10=-364(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=775(LC 1), 14=712(LC 2), 15=452(LC 3), 16=1597(LC 2), 12=712(LC 3), 11=452(LC 2), 10=1597(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-224/648, 2-17=-207/752, 2-3=-50/567, 3-18=-10/510, 4-18=-6/588, 4-5=0/541, 5-6=0/541, 6-19=-6/588, 7-19=-10/510, 7-8=-50/567, 8-20=-207/752, 9-20=-224/648
BOT CHORD 1-16=-456/272, 15-16=-456/272, 14-15=-456/272, 13-14=-456/272, 12-13=-456/272, 11-12=-456/272, 10-11=-456/272, 9-10=-456/272
WEBS 5-13=-650/92, 4-14=-589/191, 3-15=-320/111, 2-16=-1330/370, 6-12=-589/191, 7-11=-320/111, 8-10=-1330/372

- NOTES** (11)
- 1) Wind: ASCE 7-02; 120mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-0-0, Exterior(2) 7-0-0 to 10-0-0, Interior(1) 13-0-0 to 17-0-0 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 MiTek "Standard Gable End Detail"
 - 3) TCLL ASCE 7-02; Pf=60.0 psf (flat roof snow); Category II; Exp C; Fully Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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.
 - 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 1-0-0 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 100 lb uplift at joint(s) 14, 12 except (it=lb) 15=247, 16=361, 11=247, 10=364.
 - 9) Non Standard bearing condition. Review required.
 - 10) This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 11) Drawing prepared exclusively for manufacturing by Wood Structures Inc.

LOAD CASE(S) Standard