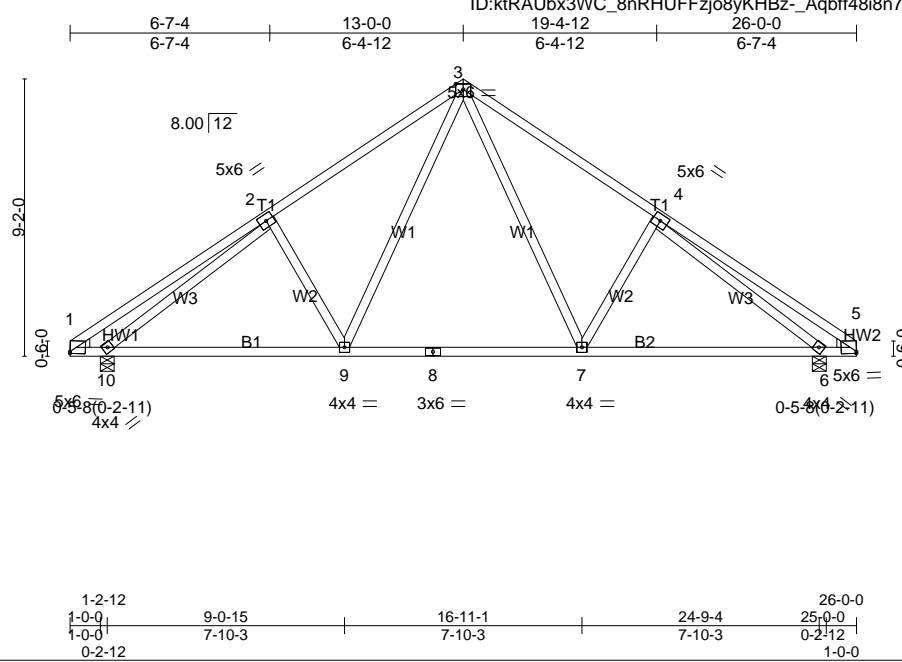


| | | | | | |
|----------------|--------------|----------------------|-----------|----------|--|
| Job B177747 | Truss T01 | Truss Type Common | Qty 14 | Ply 1 | 10 CASTINE AVE Job Reference (optional) |
|----------------|--------------|----------------------|-----------|----------|--|

Mainely Trusses, Inc., Fairfield, ME, Justin Harkins

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Scale = 1:76.2

Plate Offsets (X,Y)-- [1:Edge,0-0-11], [5:Edge,0-0-11]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------------------------|------------------------------|----------|----------------|----------|--------|-----|----------------|----------|
| TCLL 46.2 (Ground Snow=60.0) | 2-0-0 Plate Grip DOL 1.15 | TC 0.89 | Vert(LL) -0.10 | 7-9 | >999 | 240 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.63 | Vert(CT) -0.17 | 7-9 | >999 | 180 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.97 | Horz(CT) 0.05 | 6 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-S | | | | | | |
| | | | | | | | Weight: 115 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *Except*
 W3: 2x4 SPF 2100F 1.8E
 WEDGE
 Left: 2x4 SPF No.2, Right: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied.
 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) 10=1721/0-5-8, 6=1721/0-5-8
 Max Horz 10=-231(LC 4)
 Max Uplift 10=-184(LC 8), 6=-184(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-295/210, 2-3=-1819/298, 3-4=-1819/298, 4-5=-295/210
 BOT CHORD 9-10=-246/1558, 8-9=-39/1075, 7-8=-39/1075, 6-7=-105/1558
 WEBS 3-7=-165/618, 4-7=-475/286, 3-9=-165/617, 2-9=-475/286, 2-10=-1997/303,
 4-6=-1997/303

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
 - 2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 6. This connection is for uplift only and does not consider lateral forces.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

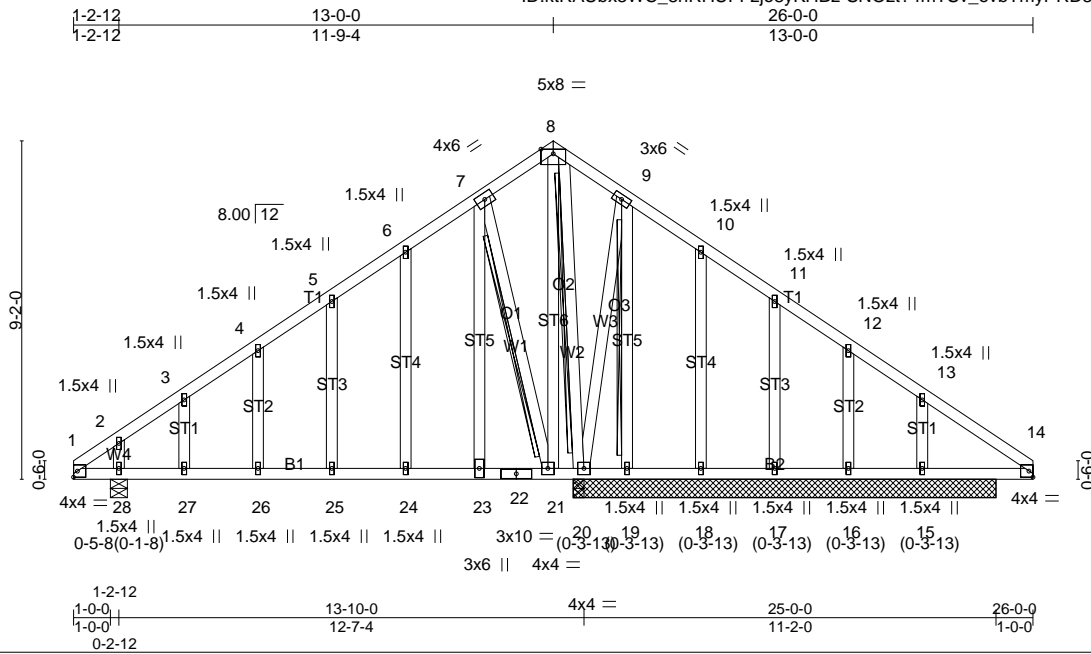
LOAD CASE(S) Standard



| | | | | | |
|----------------|-----------------|---------------------|----------|----------|--|
| Job B177747 | Truss T01AGE | Truss Type GABLE | Qty 1 | Ply 1 | 10 CASTINE AVE Job Reference (optional) |
|----------------|-----------------|---------------------|----------|----------|--|

Mainely Trusses, Inc., Fairfield, ME, Justin Harkins

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Scale = 1:62.4

| | | | | | |
|---------------------------------|--|---|---|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 46.2 (Ground Snow=60.0) | 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014 | TC 0.91 BC 0.86 WB 0.49 Matrix-S | in (loc) l/defl L/d Vert(LL) -0.44 25-26 >337 240 Vert(CT) -0.64 25-26 >235 180 Horz(CT) 0.01 20 n/a n/a | MT20 | 197/144 |
| TCDL 10.0 | | | | | |
| BCLL 0.0 | | | | | |
| BCDL 10.0 | | | | Weight: 156 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B1: 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 9-19, 8-20, 7-21
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS. All bearings 11-5-8 except (jt=length) 28=0-5-8.
(lb) - Max Horz 28=-231(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 18, 17 except 19=-386(LC 8), 16=-110(LC 6), 15=-146(LC 8), 20=-209(LC 6), 28=-220(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 16, 20 except 19=1025(LC 15), 18=290(LC 1), 17=320(LC 1), 15=699(LC 1), 20=465(LC 8), 28=1016(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-456/94, 2-3=-643/147, 3-4=-588/177, 4-5=-529/225, 5-6=-488/276, 6-7=-410/322, 7-8=-270/344, 8-9=-111/323, 13-14=-64/252
BOT CHORD 1-28=-73/408, 27-28=-175/488, 26-27=-175/488, 25-26=-175/488, 24-25=-175/488, 23-24=-175/488, 22-23=-175/488, 21-22=-175/488
WEBS 8-21=-209/456, 7-23=-222/845, 9-19=-1028/376, 10-18=-250/99, 13-15=-462/146, 8-20=-362/0, 9-20=-316/807, 2-28=-449/138, 7-21=-1369/424

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
 - 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 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Roof design snow load has been reduced to account for slope.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 17 except (jt=lb) 19=386, 16=110, 15=146, 20=209, 28=220.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

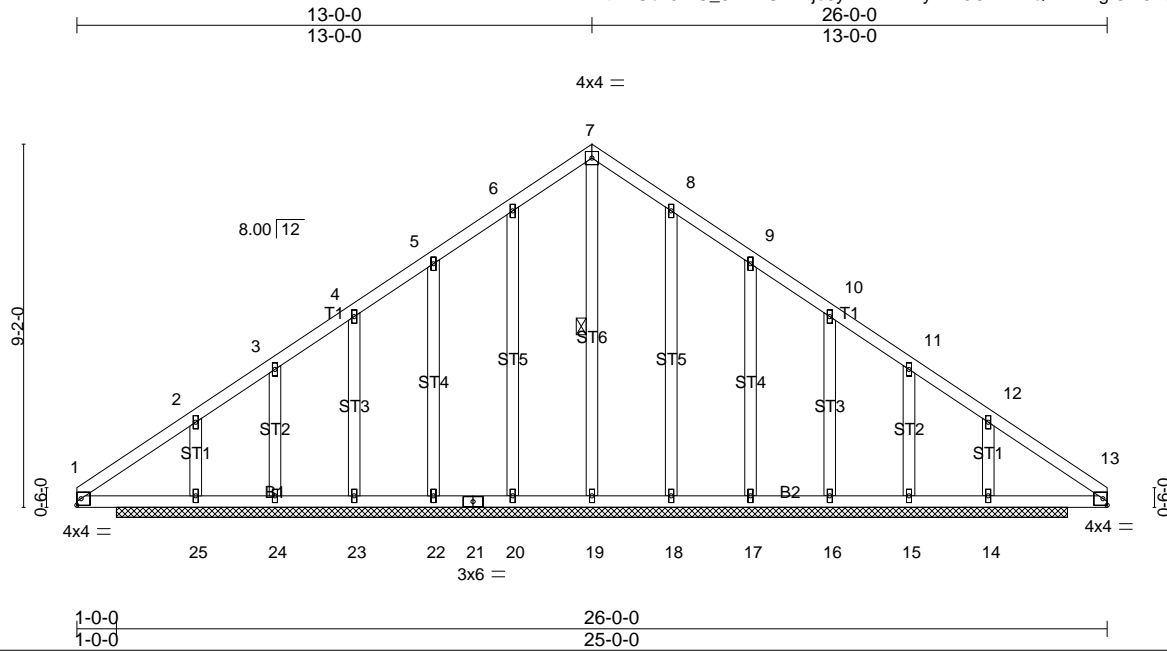
LOAD CASE(S) Standard



| | | | | | |
|----------------|----------------|---------------------|----------|----------|--|
| Job B177747 | Truss T01GE | Truss Type GABLE | Qty 1 | Ply 1 | 10 CASTINE AVE Job Reference (optional) |
|----------------|----------------|---------------------|----------|----------|--|

Mainly Trusses, Inc., Fairfield, ME, Justin Harkins

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Scale = 1:58.1

| | | | | | |
|---------------------------------|--|---|--|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 46.2 (Ground Snow=60.0) | 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014 | TC 0.26 BC 0.19 WB 0.25 Matrix-S | in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) -0.01 14 n/a n/a | MT20 | 197/144 |
| TCDL 10.0 | | | | Weight: 128 lb | FT = 20% |
| BCLL 0.0 | | | | | |
| BCDL 10.0 | | | | | |

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.
WEBS 1 Row at midpt 7-19

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

REACTIONS. All bearings 24-0-0.
(lb) - Max Horz 25=-231(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 20, 22, 23, 18, 17, 16 except 24=-170(LC 5), 25=-149(LC 9), 15=-163(LC 4), 14=-143(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 19=503(LC 1), 20=290(LC 1), 22=253(LC 1), 23=286(LC 1), 24=285(LC 15), 25=465(LC 16), 18=290(LC 1), 17=253(LC 1), 16=286(LC 1), 15=280(LC 16), 14=459(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-108/389, 2-3=-86/326, 3-4=-17/321, 4-5=0/333, 5-6=0/351, 6-7=0/341, 7-8=0/339, 8-9=0/349, 9-10=0/331, 10-11=-13/318, 11-12=-80/322, 12-13=-106/386
BOT CHORD 1-25=-261/132, 24-25=-258/129, 23-24=-258/129, 22-23=-258/129, 21-22=-258/129, 20-21=-258/129, 19-20=-258/129, 18-19=-258/129, 17-18=-258/129, 16-17=-258/129, 15-16=-258/129, 14-15=-258/129, 13-14=-258/129
WEBS 7-19=-463/0, 2-25=-359/119, 12-14=-359/117

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
 - 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) TCCL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Roof design snow load has been reduced to account for slope.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 22, 23, 18, 17, 16 except (jt=lb) 24=170, 25=149, 15=163, 14=143.
 - 9) Non Standard bearing condition. Review required.
 - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

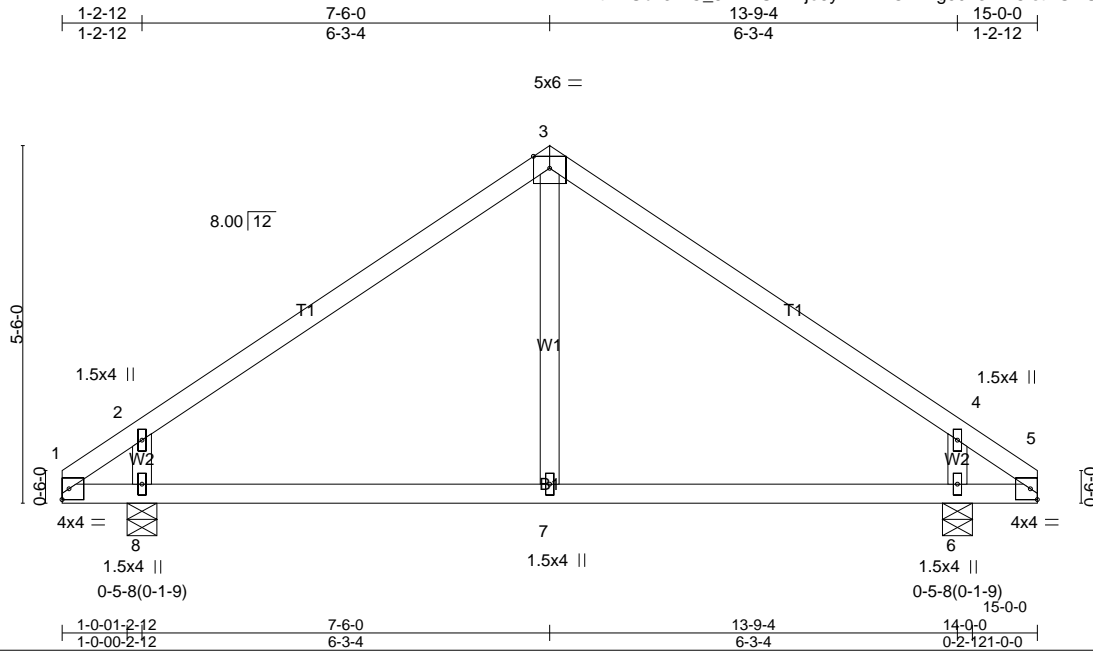
LOAD CASE(S) Standard



| | | | | | |
|----------------|--------------|----------------------|----------|----------|--|
| Job B177747 | Truss T02 | Truss Type Common | Qty 1 | Ply 1 | 10 CASTINE AVE Job Reference (optional) |
|----------------|--------------|----------------------|----------|----------|--|

Mainly Trusses, Inc., Fairfield, ME, Justin Harkins

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| | | | | | |
|---|--|---|--|-----------------------|---------------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 46.2 (Ground Snow=60.0) TCDL 10.0 BCLL 0.0 BCDL 10.0 | 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014 | TC 0.82 BC 0.41 WB 0.10 Matrix-S | in (loc) l/defl L/d Vert(LL) -0.05 7 >999 240 Vert(CT) -0.08 7 >999 180 Horz(CT) 0.01 6 n/a n/a | MT20 Weight: 45 lb | 197/144 FT = 20% |

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins.
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) 8=993/0-5-8, 6=993/0-5-8
Max Horz 8=135(LC 5)
Max Uplift 8=-108(LC 8), 6=-108(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-452/14, 2-3=-840/124, 3-4=-840/124, 4-5=-452/14
BOT CHORD 1-8=-21/516, 7-8=-20/516, 6-7=-20/516, 5-6=-20/516
WEBS 2-8=-798/307, 4-6=-798/307

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
 - 2) TCLL: ASCE 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Roof design snow load has been reduced to account for slope.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

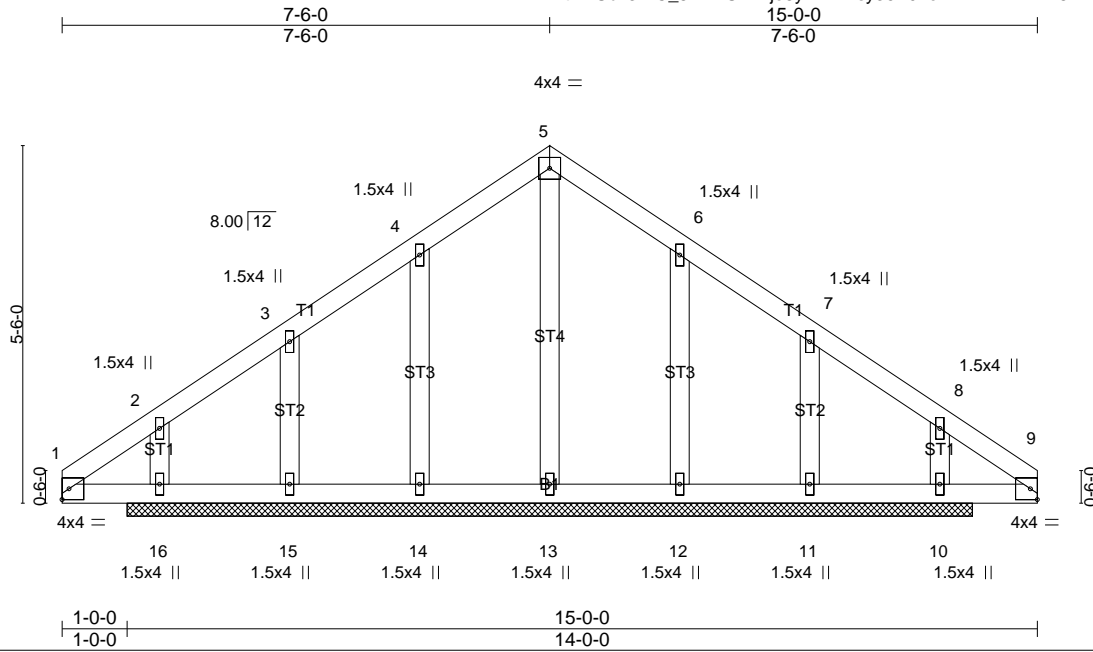
LOAD CASE(S) Standard



| | | | | | |
|----------------|----------------|---------------------|----------|----------|--|
| Job B177747 | Truss T02GE | Truss Type GABLE | Qty 1 | Ply 1 | 10 CASTINE AVE Job Reference (optional) |
|----------------|----------------|---------------------|----------|----------|--|

Mainly Trusses, Inc., Fairfield, ME, Justin Harkins

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Scale = 1:35.4

| LOADING (psf) | SPACING- | 1-11-4 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------------------------|----------------------|--------|----------|---------------|----------|--------|-----|---------------|----------|
| TCLL 46.2 (Ground Snow=60.0) | Plate Grip DOL 1.15 | | TC 0.11 | Vert(LL) n/a | - | n/a | 999 | MT20 | 197/144 |
| TCDL 10.0 | Lumber DOL 1.15 | | BC 0.07 | Vert(CT) n/a | - | n/a | 999 | | |
| BCLL 0.0 | Rep Stress Incr YES | | WB 0.13 | Horz(CT) 0.00 | 10 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | Weight: 59 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 16=131(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) 14, 16, 12, 10 except 15=116(LC 8), 11=112(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=321(LC 1), 14=277(LC 1), 15=271(LC 15),
16=290(LC 1), 12=277(LC 1), 11=267(LC 16), 10=290(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-13=284/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; 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
 - 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 7-10; Pg=60.0 psf (ground snow); Ps=46.2 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Roof design snow load has been reduced to account for slope.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 16, 12, 10 except (jt=lb) 15=116, 11=112.
 - 8) Non Standard bearing condition. Review required.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

