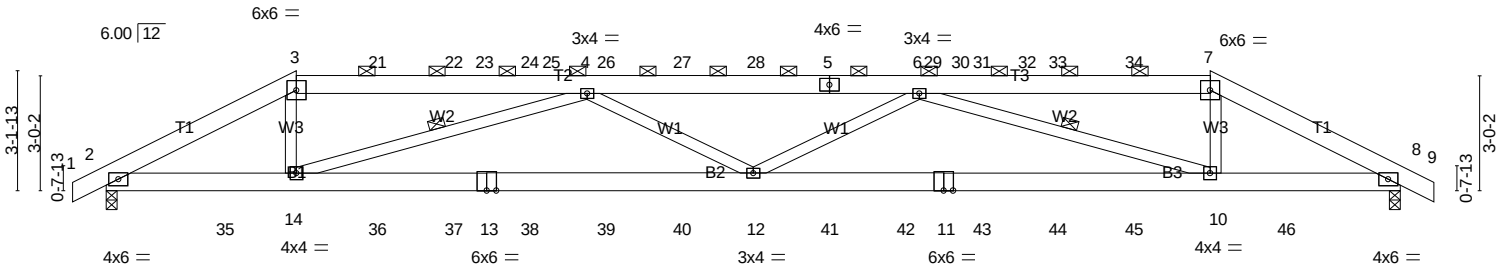
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A01 | Hip Girder | 1 | 2 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:20 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-U9fQ?49Lzdr_BzaHW62pPwpMUyW8WZivSM6plzzQCED

| -0-10-8 | 5-0-0 | 7-0-12 | 9-0-12 | 11-0-12 | 12-7-10 | 21-4-6 | 22-11-4 | 24-11-4 | 26-11-4 | 29-0-0 | 34-0-0 | 34-10-8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-10-8 | 5-0-0 | 2-0-12 | 2-0-0 | 2-0-0 | 1-6-14 | 8-8-12 | 1-6-14 | 2-0-0 | 2-0-0 | 2-0-12 | 5-0-0 | 0-10-8 |

Scale = 1:60.5




| 3-0-12 | 5-0-0 | 17-0-0 | 29-0-0 | 30-11-4 | 34-0-0 |
|---|---|---|---|---|---|
| 3-0-12 | 1-11-4 | 12-0-0 | 12-0-0 | 1-11-4 | 3-0-12 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.54 | Vert(LL) | -0.26 | 12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.95 | Vert(CT) | -0.55 | 10-12 | >749 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.55 | Horz(CT) | 0.11 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 423 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (4-10-14 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 6-10

**REACTIONS.** (lb/size) 2=2442/0-3-8 (min. 0-1-8), 8=2442/0-3-8 (min. 0-1-8)
Max Horz 2=41(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4722/0, 3-21=-4101/0, 21-22=-4102/0, 22-23=-4102/0, 23-24=-4103/0, 24-25=-4103/0, 4-25=-4104/0, 4-26=-7875/0, 26-27=-7875/0, 27-28=-7875/0, 5-28=-7875/0, 5-29=-7875/0, 6-29=-7875/0, 6-30=-4104/0, 30-31=-4104/0, 31-32=-4103/0, 32-33=-4103/0, 33-34=-4102/0, 7-34=-4101/0, 7-8=-4722/0
BOT CHORD 2-35=0/4191, 14-35=0/4191, 14-36=0/7428, 36-37=0/7428, 13-37=0/7428, 13-38=0/7428, 38-39=0/7428, 39-40=0/7428, 12-40=0/7428, 12-41=0/7430, 41-42=0/7430, 11-42=0/7430, 11-43=0/7430, 43-44=0/7430, 44-45=0/7430, 10-45=0/7430, 10-46=0/4191, 8-46=0/4191
WEBS 3-14=0/1589, 4-14=-3547/115, 4-12=0/829, 6-12=0/828, 6-10=-3548/115, 7-10=0/1589

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

**NOTES-**

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 52 lb up at 5-0-0, 75 lb down and 49 lb up at 7-0-12, 75 lb down and 49 lb up at 9-0-12, 74 lb down and 49 lb up at 11-0-12, 72 lb down and 49 lb up at 13-0-12, 72 lb down and 49 lb up at 15-0-12, 72 lb down and 49 lb up at 17-0-0, 72 lb down and 49 lb up at 18-11-4, 72 lb down and 49 lb up at 20-11-4, 74 lb down and 49 lb up at 22-11-4, 75 lb down and 49 lb up at 24-11-4, and 75 lb down and 49 lb up at 26-11-4, and 87 lb down and 52 lb up at 29-0-0 on top chord, and 296 lb down at 3-0-12, 51 lb down at 5-0-12, 51 lb down at 7-0-12, 51 lb down at 9-0-12, 51 lb down at 11-0-12, 51 lb down at 13-0-12, 51 lb down at 15-0-12, 51 lb down at 17-0-0, 51 lb down at 18-11-4, 51 lb down at 20-11-4, 51 lb down at 22-11-4, 51 lb down at 24-11-4, 51 lb down at 26-11-4, and 51 lb down at 28-11-4, and 296 lb down at 30-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-7=-60, 7-9=-60, 15-18=-20
   Concentrated Loads (lb)
      Vert: 3=-68(F) 5=-68(F) 14=-45(F) 12=-45(F) 10=-45(F) 7=-68(F) 21=-68(F) 22=-68(F) 24=-68(F) 26=-68(F) 27=-68(F) 28=-68(F) 29=-68(F) 31=-68(F) 33=-68(F) 34=-68(F) 35=-296(F) 36=-45(F) 37=-45(F) 38=-45(F) 39=-45(F) 40=-45(F) 41=-45(F) 42=-45(F) 43=-45(F) 44=-45(F) 45=-45(F) 46=-296(F)

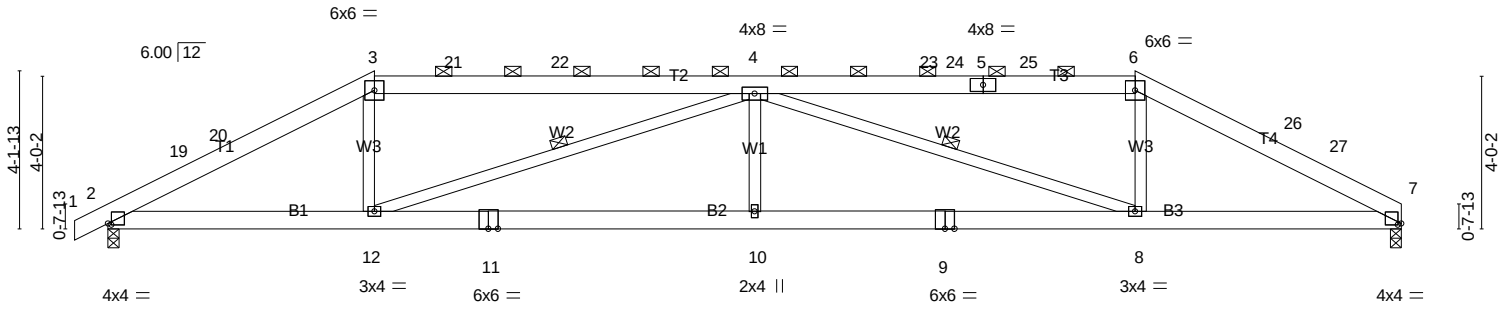
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A02 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:22 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-QYnAQmBcVF5iQHkgdX5HULvhomE2_OJCvgbwqrzQCEB

| -0-10-8 | 7-0-0 | 17-0-0 | 27-0-0 | 34-0-0 |
|---|---|---|---|---|
| 0-10-8 | 7-0-0 | 10-0-0 | 10-0-0 | 7-0-0 |

Scale = 1:60.6




| 7-0-0 | 17-0-0 | 27-0-0 | 34-0-0 |
|---|---|---|---|
| 7-0-0 | 10-0-0 | 10-0-0 | 7-0-0 |

Plate Offsets (X,Y)-- [2:0-1-2,0-0-6], [7:0-1-2,0-0-6]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.62 | Vert(LL) | -0.18 | 10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.73 | Vert(CT) | -0.38 | 8-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.86 | Horz(CT) | 0.10 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 211 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except
2-0-0 oc purlins (3-11-8 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 4-8

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

**REACTIONS.** (lb/size) 7=1359/0-3-8 (min. 0-1-10), 2=1413/0-3-8 (min. 0-1-11)
Max Horz 2=54(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2522/106, 19-20=-2472/108, 3-20=-2438/132, 3-21=-2164/157, 21-22=-2165/157, 4-22=-2166/157, 4-23=-2173/155, 23-24=-2173/155, 5-24=-2173/155, 5-25=-2173/155, 6-25=-2172/155, 6-26=-2447/131, 26-27=-2456/112, 7-27=-2529/106
BOT CHORD 2-12=-57/2190, 11-12=-103/3443, 10-11=-103/3443, 9-10=-103/3443, 8-9=-103/3443, 7-8=-49/2198
WEBS 3-12=0/674, 4-12=-1461/64, 4-10=0/420, 4-8=-1455/57, 6-8=0/672

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-6-5, Interior(1) 2-6-5 to 7-0-0, Exterior(2) 7-0-0 to 11-9-11, Interior(1) 11-9-11 to 27-0-0, Exterior(2) 27-0-0 to 31-9-11, Interior(1) 31-9-11 to 34-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
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.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

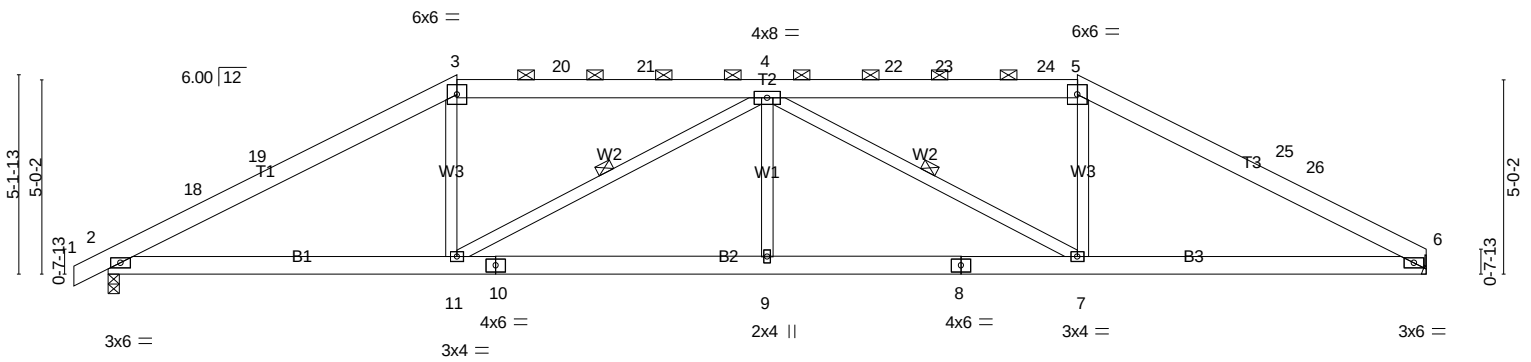
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A03 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:24 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-NwvxrSCs1sLPgau2ly7lZm_3MZzySPRVN_41ukzQCE9

| -0-10-8 | 9-0-0 | 17-0-0 | 25-0-0 | 34-0-0 |
|---|---|---|---|---|
| 0-10-8 | 9-0-0 | 8-0-0 | 8-0-0 | 9-0-0 |

Scale = 1:59.4




| 9-0-0 | 17-0-0 | 25-0-0 | 34-0-0 |
|---|---|---|---|
| 9-0-0 | 8-0-0 | 8-0-0 | 9-0-0 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.49 | Vert(LL) | -0.11 | 9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.57 | Vert(CT) | -0.22 | 9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.38 | Horz(CT) | 0.07 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 212 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purlins, except 2-0-0 oc purlins (4-10-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-11, 4-7

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

**REACTIONS.** (lb/size) 6=1359/Mechanical, 2=1413/0-3-8 (min. 0-1-11)
Max Horz 2=69(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2382/101, 18-19=-2288/115, 3-19=-2269/141, 3-20=-2019/171, 20-21=-2019/171, 4-21=-2020/171, 4-22=-2024/169, 22-23=-2022/169, 23-24=-2022/169, 5-24=-2021/169, 5-25=-2273/138, 25-26=-2291/113, 6-26=-2385/108
BOT CHORD 2-11=-48/2036, 10-11=-62/2618, 9-10=-62/2618, 8-9=-62/2618, 7-8=-62/2618, 6-7=-39/2040
WEBS 3-11=0/600, 4-11=-825/40, 4-9=0/305, 4-7=-823/34, 5-7=0/600

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-6-5, Interior(1) 2-6-5 to 9-0-0, Exterior(2) 9-0-0 to 13-9-11, Interior(1) 13-9-11 to 25-0-0, Exterior(2) 25-0-0 to 29-9-11, Interior(1) 29-9-11 to 34-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

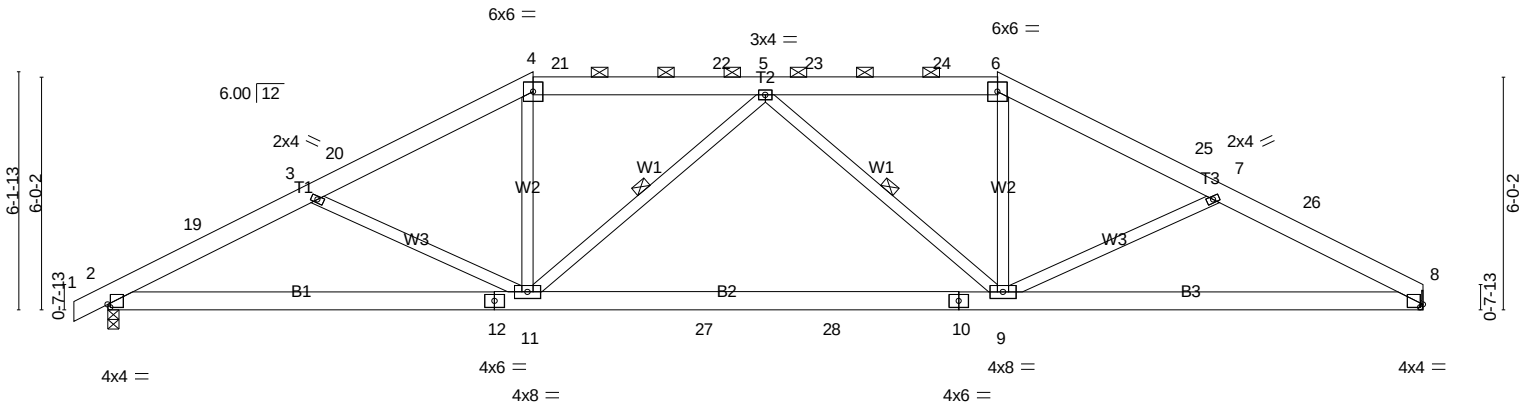
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A04 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:26 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-JJ1hG7E6ZTb7vu2RsM9DeB3T1NcuwL0oqIZ7zdzQCE7

| -0-10-8 | 5-5-1 | 11-0-0 | 17-0-0 | 23-0-0 | 28-6-15 | 34-0-0 |
|---|---|---|---|---|---|---|
| 0-10-8 | 5-5-1 | 5-6-15 | 6-0-0 | 6-0-0 | 5-6-15 | 5-5-1 |

Scale = 1:59.6




| 11-0-0 | 23-0-0 | 34-0-0 |
|---|---|---|
| 11-0-0 | 12-0-0 | 11-0-0 |

Plate Offsets (X,Y)-- [2:0-0-14,0-0-14], [8:0-0-14,0-0-14]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.22 | Vert(LL) | -0.19 | 9-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.73 | Vert(CT) | -0.37 | 9-11 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.24 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 225 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins, except
2-0-0 oc purlins (5-3-2 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 5-9

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

**REACTIONS.** (lb/size) 8=1359/Mechanical, 2=1413/0-3-8 (min. 0-1-11)
Max Horz 2=83(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2473/155, 3-19=-2411/176, 3-20=-2156/106, 4-20=-2081/131, 4-21=-1854/152, 21-22=-1855/152, 5-22=-1857/151, 5-23=-1858/149, 23-24=-1857/149, 6-24=-1856/150, 6-25=-2083/129, 7-25=-2158/104, 7-26=-2404/174, 8-26=-2478/153
BOT CHORD 2-12=-116/2157, 11-12=-116/2157, 11-27=-55/2082, 27-28=-55/2082, 10-28=-55/2082, 9-10=-55/2082, 8-9=-108/2163
WEBS 3-11=-328/123, 4-11=0/602, 5-11=-420/90, 5-9=-418/88, 6-9=0/602, 7-9=-333/123

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-6-5, Interior(1) 2-6-5 to 11-0-0, Exterior(2) 11-0-0 to 15-9-11, Interior(1) 15-9-11 to 23-0-0, Exterior(2) 23-0-0 to 27-9-11, Interior(1) 27-9-11 to 34-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

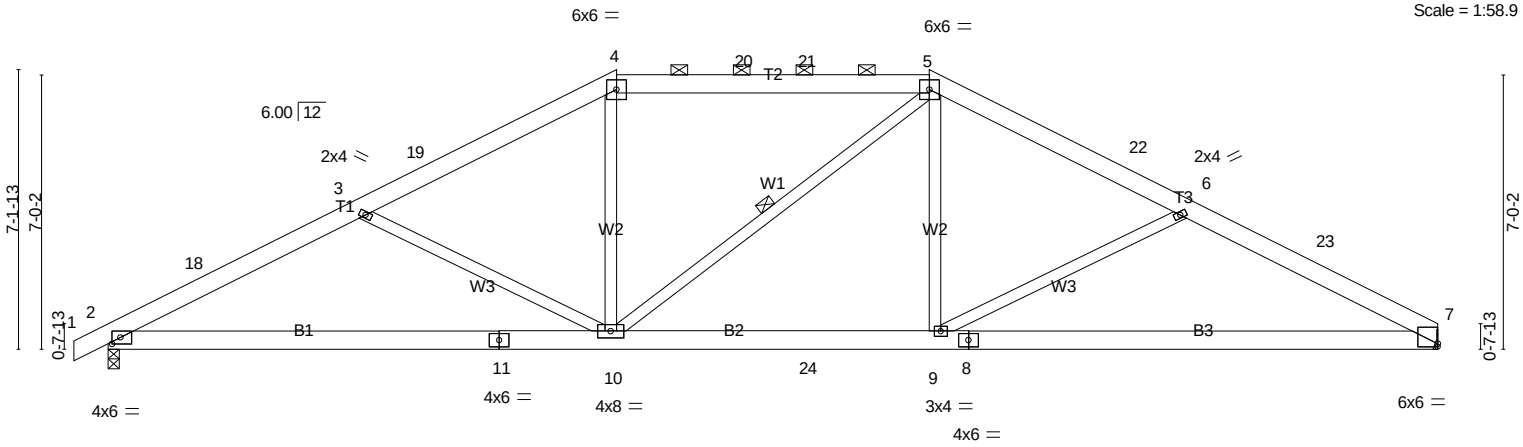
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A05 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:28 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-Fh8RgpGN45rr8CBq_nChkc9lrBIVOCU4Hc2E1VzQCE5

| -0-10-8 | 6-7-1 | 13-0-0 | 21-0-0 | 27-4-15 | 34-0-0 |
|---|---|---|---|---|---|
| 0-10-8 | 6-7-1 | 6-4-15 | 8-0-0 | 6-4-15 | 6-7-1 |

Scale = 1:58.9




| 13-0-0 | 21-0-0 | 34-0-0 |
|---|---|---|
| 13-0-0 | 8-0-0 | 13-0-0 |

Plate Offsets (X,Y)-- [2:0-2-10,0-2-0], [7:0-0-2,0-0-14]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.46 | Vert(LL) | -0.16 | 9-14 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.66 | Vert(CT) | -0.34 | 9-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.44 | Horz(CT) | 0.06 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 223 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except
2-0-0 oc purlins (4-10-5 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

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

**REACTIONS.** (lb/size) 7=1359/Mechanical, 2=1413/0-3-8 (min. 0-1-11)
Max Horz 2=97(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2393/152, 3-18=-2347/180, 3-19=-1998/115, 4-19=-1909/141, 4-20=-1706/166, 20-21=-1706/166, 5-21=-1706/166, 5-22=-1910/140, 6-22=-1999/114, 6-23=-2338/178, 7-23=-2397/150
BOT CHORD 2-11=-106/2099, 10-11=-106/2099, 10-24=0/1706, 9-24=0/1706, 8-9=-98/2104, 7-8=-98/2104
WEBS 3-10=-440/124, 4-10=0/508, 5-9=0/508, 6-9=-445/124

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-6-5, Interior(1) 2-6-5 to 13-0-0, Exterior(2) 13-0-0 to 17-9-11, Interior(1) 17-9-11 to 21-0-0, Exterior(2) 21-0-0 to 25-9-11, Interior(1) 25-9-11 to 34-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A06 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:30 2021 Page 1

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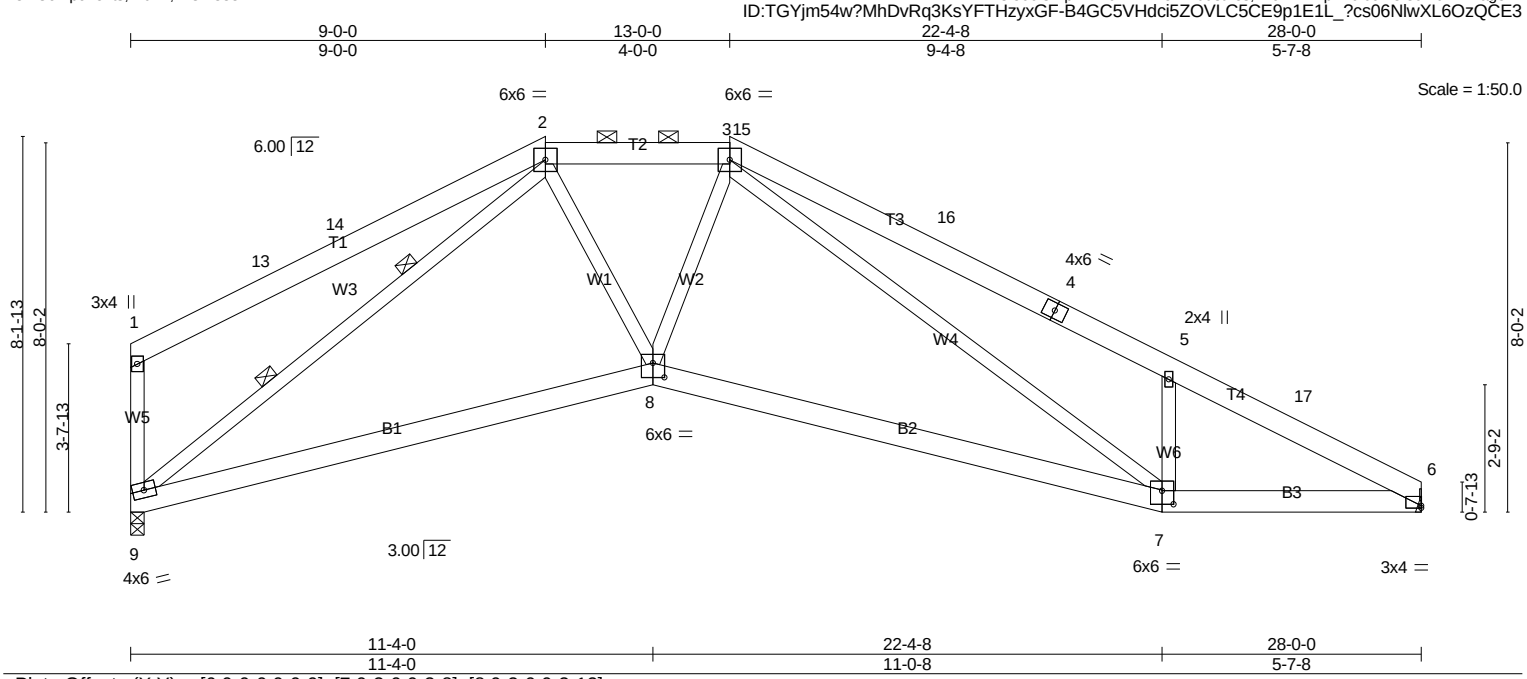


Plate Offsets (X,Y)-- [6:0-0-0,0-0-9], [7:0-3-0,0-3-8], [8:0-3-0,0-3-12]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.71 | Vert(LL) | -0.16 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.62 | Vert(CT) | -0.35 | 7-8 | >961 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.08 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 197 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-7-10 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 2-9

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

**REACTIONS.** (lb/size) 6=1114/Mechanical, 9=1114/0-3-8 (min. 0-1-8)
Max Horz 9=-147(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1590/108, 3-15=-1590/108, 3-16=-2001/212, 4-16=-2006/189, 4-5=-2143/167, 5-17=-1965/97, 6-17=-2081/78, 1-9=-299/105
BOT CHORD 8-9=0/1332, 7-8=0/1578, 6-7=-40/1826
WEBS 5-7=-477/170, 2-8=0/792, 2-9=-1568/31, 3-7=-121/451, 3-8=0/364

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-0-0, Exterior(2) 9-0-0 to 17-2-15, Interior(1) 17-2-15 to 28-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A07 | Roof Special | 2 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:31 2021 Page 1

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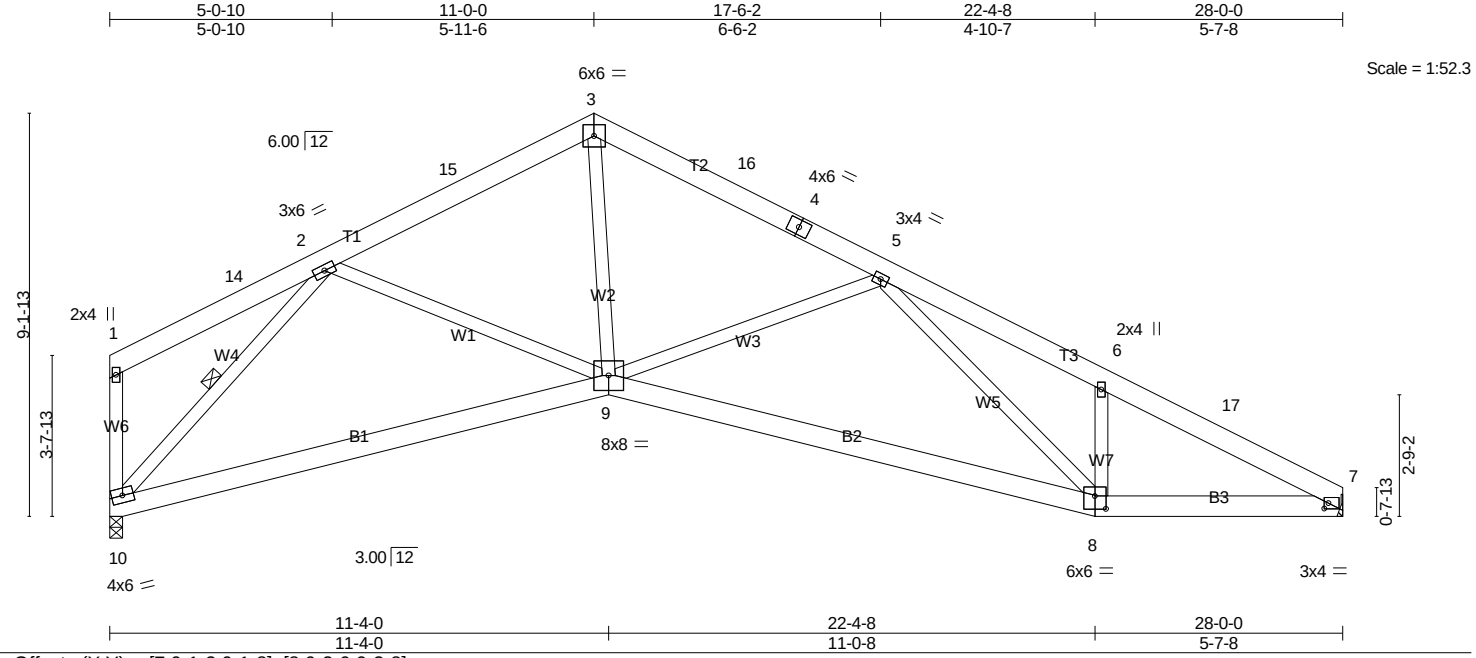


Plate Offsets (X,Y)-- [7:0-1-2,0-1-8], [8:0-3-0,0-3-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.59 | Vert(LL) | -0.16 | 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.63 | Vert(CT) | -0.34 | 9-10 | >996 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.46 | Horz(CT) | 0.07 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 198 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-10

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

**REACTIONS.** (lb/size) 7=1114/Mechanical, 10=1114/0-3-8 (min. 0-1-8)
Max Horz 10=-161(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1517/42, 3-15=-1430/58, 3-16=-1488/65, 4-16=-1490/48, 4-5=-1582/40, 5-6=-1975/116, 6-17=-1933/50, 7-17=-2006/35
BOT CHORD 9-10=0/1015, 8-9=0/1814, 7-8=0/1729
WEBS 2-9=0/410, 3-9=0/939, 5-9=-483/136, 2-10=-1445/85

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 28-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A08 | Roof Special Girder | 1 | 2 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:34 2021 Page 1

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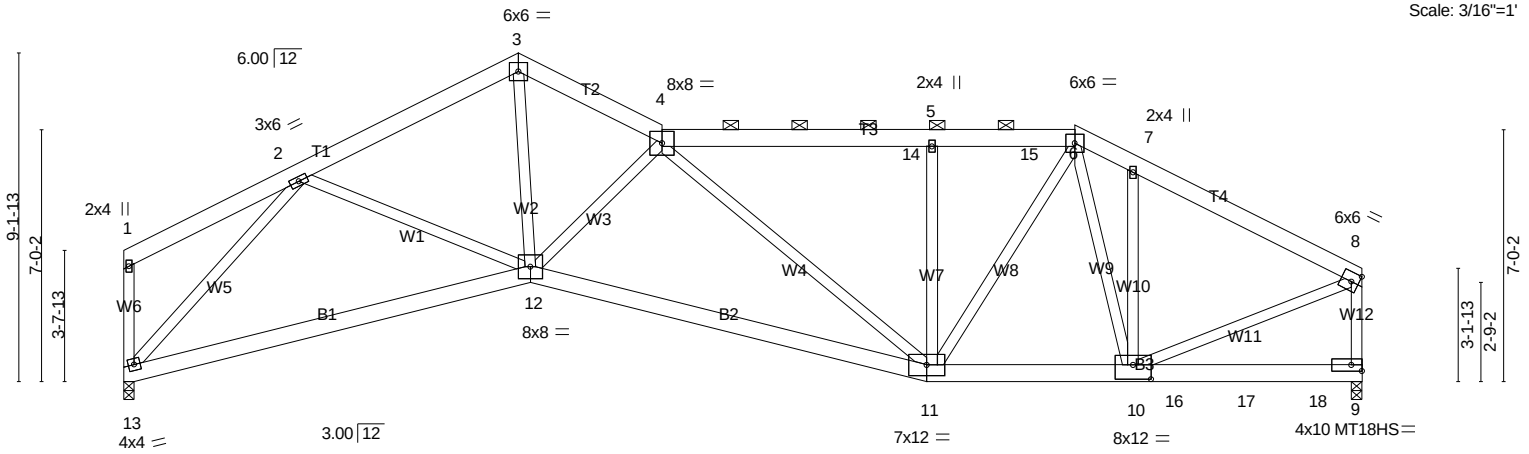
| 5-0-10 | 11-0-0 | 15-0-0 | 22-4-8 | 26-6-0 | 28-1-8 | 34-6-0 |
|---|---|---|---|---|---|---|
| 5-0-10 | 5-11-6 | 4-0-0 | 7-4-8 | 4-1-8 | 1-7-8 | 6-4-8 |

Scale: 3/16"=1'




| 11-4-0 | 22-4-8 | 28-1-8 | 29-2-4 | 31-2-4 | 33-2-4 | 34-6-0 |
|---|---|---|---|---|---|---|
| 11-4-0 | 11-0-8 | 5-9-0 | 1-0-12 | 2-0-0 | 2-0-0 | 1-3-12 |

Plate Offsets (X,Y)-- [10:0-6-0,0-4-12]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.91 | Vert(LL) | -0.11 | 11-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.72 | Vert(CT) | -0.26 | 11-12 | >999 | 180 | MT18HS | 244/190 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.72 | Horz(CT) | 0.10 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 551 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W11: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 9=5789/0-3-8 (min. 0-3-7), 13=2191/0-3-8 (min. 0-1-8)
Max Horz 13=-162(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3722/0, 3-4=-3907/0, 4-14=-4459/0, 5-14=-4459/0, 5-15=-4471/0, 6-15=-4468/0, 6-7=-5690/0, 7-8=-5909/0, 8-9=-5033/0
BOT CHORD 12-13=0/2158, 11-12=0/5135, 10-11=0/4603
WEBS 2-12=0/1334, 3-12=0/3077, 4-12=-2220/0, 5-11=-490/68, 2-13=-3167/0, 4-11=-806/144, 7-10=-160/347, 8-10=0/5495, 6-11=-576/432, 6-10=0/2516

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3766 lb down at 28-1-8, 492 lb down at 29-2-4, and 492 lb down at 31-2-4, and 492 lb down at 33-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard

Continued on page 2

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-4=-60, 4-6=-60, 6-8=-60, 12-13=-20, 11-12=-20, 9-11=-20
   Concentrated Loads (lb)
      Vert: 10=-3766(F) 16=-492(F) 17=-492(F) 18=-492(F)

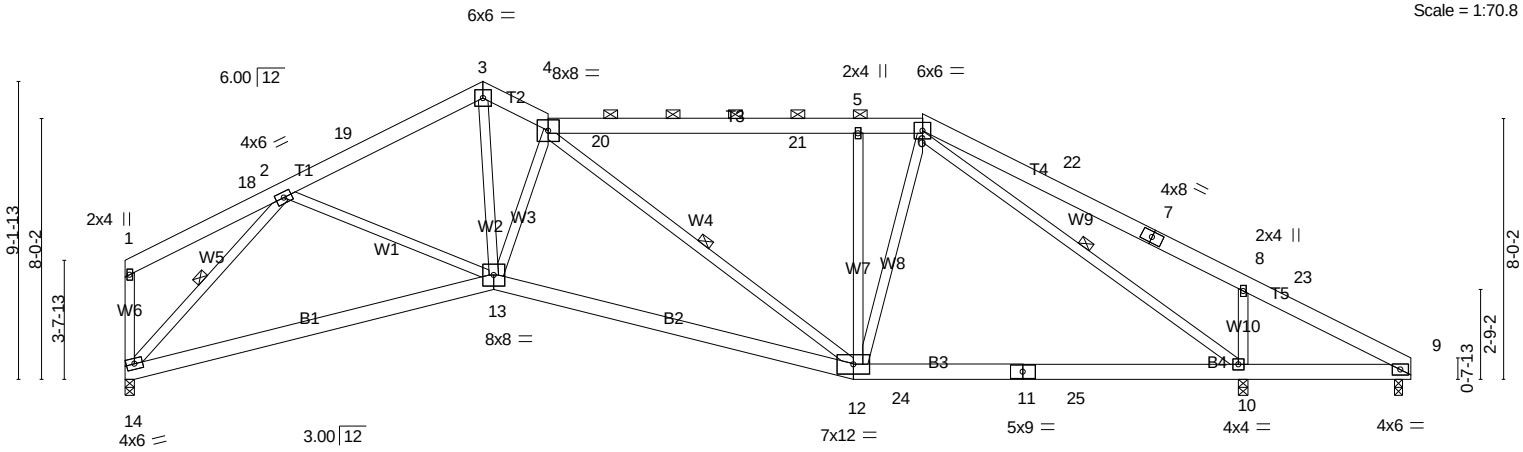
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A09 | Roof Special | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:36 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-0EdTMYMOCYsi6QpMSTLZ2IU4UP1xGh6G7s_fI1zQCDz

| 5-0-10 | 11-0-0 | 13-0-0 | 22-4-8 | 24-6-0 | 34-4-4 | 39-6-0 |
|---|---|---|---|---|---|---|
| 5-0-10 | 5-11-6 | 2-0-0 | 9-4-8 | 2-1-8 | 9-10-4 | 5-1-12 |

Scale = 1:70.8




| 11-4-0 | 13-0-0 | 22-4-8 | 24-6-0 | 34-4-4 | 39-3-0 | 39-6-0 |
|---|---|---|---|---|---|---|
| 11-4-0 | 1-8-0 | 9-4-8 | 2-1-8 | 9-10-4 | 4-10-12 | 0-3-0 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.61 | Vert(LL) | -0.20 | 10-12 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.69 | Vert(CT) | -0.37 | 13-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.97 | Horz(CT) | 0.11 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 296 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W9: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-13 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-14, 6-10, 4-12

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

**REACTIONS.** (lb/size) 14=1358/0-3-8 (min. 0-1-9), 10=1655/0-3-8 (min. 0-1-15), 9=135/0-3-0 (min. 0-1-8)
Max Horz 14=-169(LC 10)
Max Grav 14=1358(LC 1), 10=1667(LC 18), 9=144(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2013/80, 3-19=-1928/101, 3-4=-2095/135, 4-20=-1448/146, 20-21=-1449/146, 5-21=-1450/146, 5-6=-1463/149, 7-8=-323/68
BOT CHORD 13-14=-21/1276, 12-13=0/2174, 12-24=0/1251, 11-24=0/1251, 11-25=0/1251, 10-25=0/1251
WEBS 2-13=0/602, 3-13=-32/1610, 4-13=-852/170, 5-12=-527/128, 2-14=-1832/115, 8-10=-572/189, 6-12=-7/796, 6-10=-1395/21, 4-12=-818/1

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 4-1-2, Interior(1) 4-1-2 to 11-0-0, Exterior(2) 11-0-0 to 13-0-0, Interior(1) 13-0-0 to 24-6-0, Exterior(2) 24-6-0 to 28-5-6, Interior(1) 28-5-6 to 39-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A10 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:42 2021 Page 1

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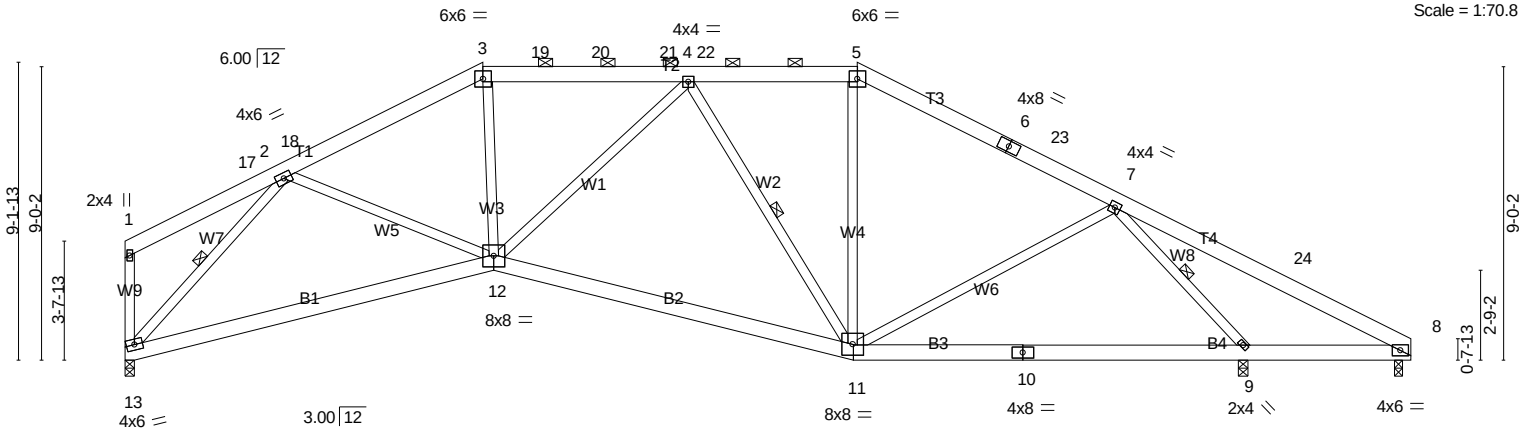
| 5-0-10 | 11-0-0 | 17-3-12 | 22-6-0 | 30-4-14 | 39-6-0 |
|---|---|---|---|---|---|
| 5-0-10 | 5-11-6 | 6-3-12 | 5-2-5 | 7-10-14 | 9-1-2 |

Scale = 1:70.8




| 11-4-0 | 22-4-8 | 34-4-4 | 39-3-0 | 39-6-0 |
|---|---|---|---|---|
| 11-4-0 | 11-0-8 | 11-11-12 | 4-10-12 | 0-3-0 |

Plate Offsets (X,Y)-- [3:0-0-0,0-0-0], [5:0-0-0,0-0-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.60 | Vert(LL) | -0.16 | 12-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.62 | Vert(CT) | -0.34 | 12-13 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.58 | Horz(CT) | 0.09 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 288 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-3 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-9.
WEBS 1 Row at midpt 4-11, 7-9, 2-13

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

**REACTIONS.** (lb/size) 13=1361/0-3-8 (min. 0-1-9), 8=93/0-3-0 (min. 0-1-8), 9=1694/0-3-8 (min. 0-2-0)
Max Horz 13=-168(LC 10)
Max Uplift8=-63(LC 21)
Max Grav 13=1361(LC 1), 8=121(LC 22), 9=1694(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2035/126, 3-18=-1951/155, 3-19=-1781/170, 19-20=-1781/170, 20-21=-1782/170, 21-22=-1782/170, 4-22=-1783/170, 4-5=-1248/195, 5-6=-1381/178, 6-23=-1419/153, 7-23=-1507/140, 7-24=0/296
BOT CHORD 12-13=-64/1279, 11-12=-12/1662, 10-11=-90/1036, 9-10=-90/1036
WEBS 2-12=0/630, 3-12=0/520, 4-12=0/324, 4-11=-727/68, 5-11=0/330, 7-11=0/411, 7-9=-1804/150, 2-13=-1843/148

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 4-1-2, Interior(1) 4-1-2 to 11-0-0, Exterior(2) 11-0-0 to 16-7-1, Interior(1) 16-7-1 to 22-6-0, Exterior(2) 22-6-0 to 28-1-1, Interior(1) 28-1-1 to 39-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

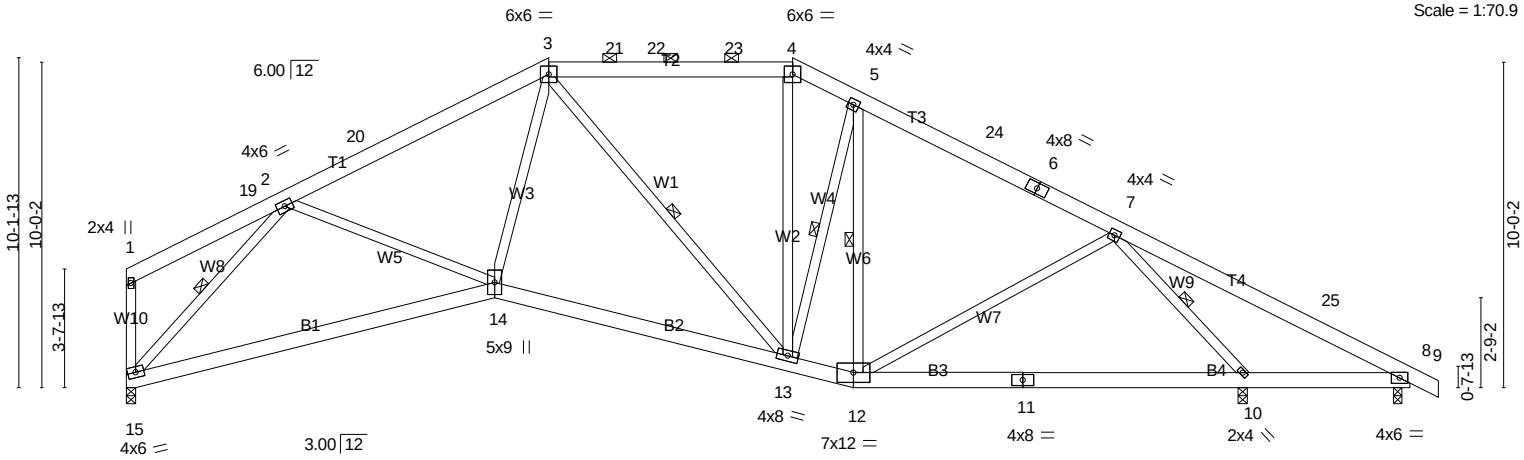
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A11 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:44 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-nm6V1HSPJ?sa3fQuw8USN_pS8dmZ8OxRz5w4aazQCDr

| 5-0-10 | 13-0-0 | 20-6-0 | 22-4-8 | 30-4-14 | 39-6-0 | 40-4-8 |
|---|---|---|---|---|---|---|
| 5-0-10 | 7-11-6 | 7-6-0 | 1-10-8 | 8-0-6 | 9-1-2 | 0-10-8 |

Scale = 1:70.9




| 11-4-0 | 13-0-0 | 20-6-0 | 22-4-8 | 34-4-4 | 39-3-0 | 39-6-0 |
|---|---|---|---|---|---|---|
| 11-4-0 | 1-8-0 | 7-6-0 | 1-10-8 | 11-11-12 | 4-10-12 | 0-3-0 |

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.63 | Vert(LL) | -0.17 | 14-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.64 | Vert(CT) | -0.37 | 14-15 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.09 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 309 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-7-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-15 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-10.
WEBS 1 Row at midpt 5-13, 5-12, 7-10, 2-15, 3-13

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

**REACTIONS.** (lb/size) 15=1364/0-3-8 (min. 0-1-9), 10=1666/0-3-8 (min. 0-1-15), 8=171/0-3-0 (min. 0-1-8)
Max Horz 15=-188(LC 10)
Max Uplift8=-75(LC 12)
Max Grav 15=1364(LC 1), 10=1666(LC 1), 8=201(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2012/114, 3-20=-1899/143, 3-21=-1261/198, 21-22=-1261/198, 22-23=-1261/198, 4-23=-1261/198, 4-5=-1419/216, 5-24=-1392/176, 6-24=-1394/156, 6-7=-1510/138
BOT CHORD 14-15=-43/1310, 13-14=0/1602, 12-13=0/1286, 11-12=-72/1053, 10-11=-72/1053
WEBS 2-14=0/556, 3-14=0/731, 4-13=-26/329, 5-12=-311/20, 7-12=0/347, 7-10=-1767/137, 2-15=-1893/156, 3-13=-520/10

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 4-1-2, Interior(1) 4-1-2 to 13-0-0, Exterior(2) 13-0-0 to 18-7-1, Interior(1) 18-7-1 to 20-6-0, Exterior(2) 20-6-0 to 26-1-1, Interior(1) 26-1-1 to 40-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

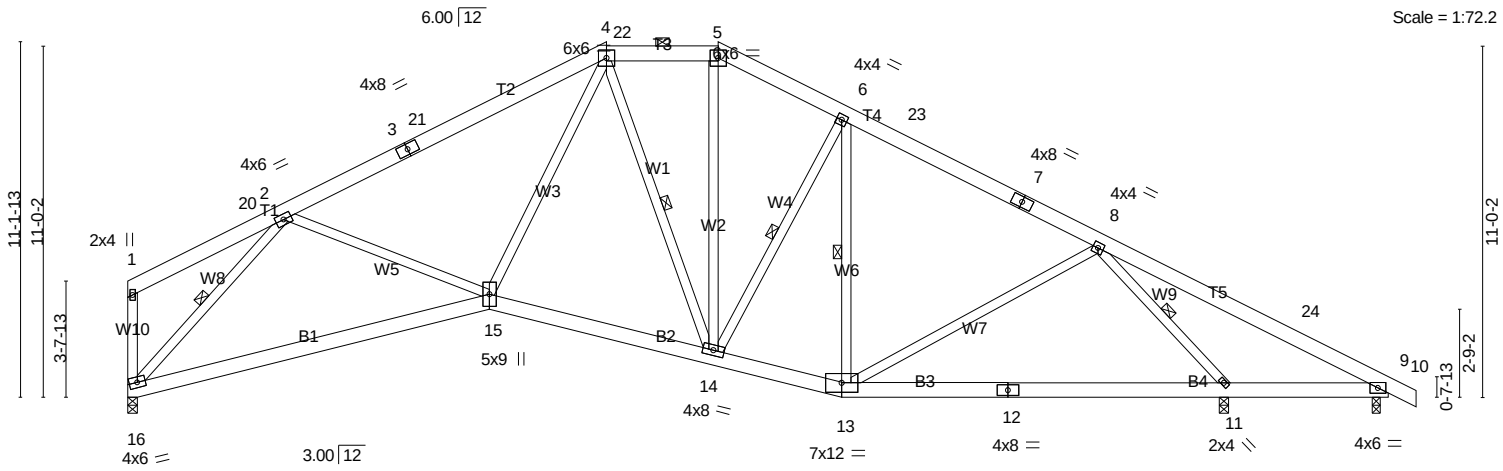
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A12 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:46 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-j9EFSzUfrd6lJzZH1ZWwSPunoRSvcl7kQPPBfSzQCDp

| 5-0-10 | 15-0-0 | 18-6-0 | 22-4-8 | 30-4-14 | 39-6-0 | 40-4-8 |
|---|---|---|---|---|---|---|
| 5-0-10 | 9-11-5 | 3-6-0 | 3-10-8 | 8-0-6 | 9-1-2 | 0-10-8 |

Scale = 1:72.2




| 11-4-0 | 18-6-0 | 22-4-8 | 34-4-4 | 39-3-0 | 39-6-0 |
|---|---|---|---|---|---|
| 11-4-0 | 7-2-0 | 3-10-8 | 11-11-12 | 4-10-12 | 0-3-0 |

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

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.68 | Vert(LL) | -0.18 | 15-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.65 | Vert(CT) | -0.37 | 15-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.62 | Horz(CT) | 0.09 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 311 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-11.
WEBS 1 Row at midpt 6-14, 6-13, 8-11, 2-16, 4-14

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

**REACTIONS.** (lb/size) 16=1364/0-3-8 (min. 0-1-9), 11=1670/0-3-8 (min. 0-2-0), 9=167/0-3-0 (min. 0-1-8)
Max Horz 16=-203(LC 10)
Max Uplift9=-79(LC 12)
Max Grav 16=1364(LC 1), 11=1670(LC 1), 9=201(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1985/95, 3-21=-1860/98, 4-21=-1836/128, 4-22=-1214/190, 5-22=-1214/190, 5-6=-1411/194, 6-23=-1338/169, 7-23=-1391/150, 7-8=-1508/131, 8-24=0/254
BOT CHORD 15-16=-43/1348, 14-15=0/1387, 13-14=0/1286, 12-13=-65/1049, 11-12=-65/1049
WEBS 2-15=0/467, 4-15=0/769, 5-14=-66/461, 6-13=-276/33, 8-13=0/342, 8-11=-1768/112, 2-16=-1957/168, 4-14=-444/43

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 4-1-2, Interior(1) 4-1-2 to 15-0-0, Exterior(2) 15-0-0 to 24-1-1, Interior(1) 24-1-1 to 40-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

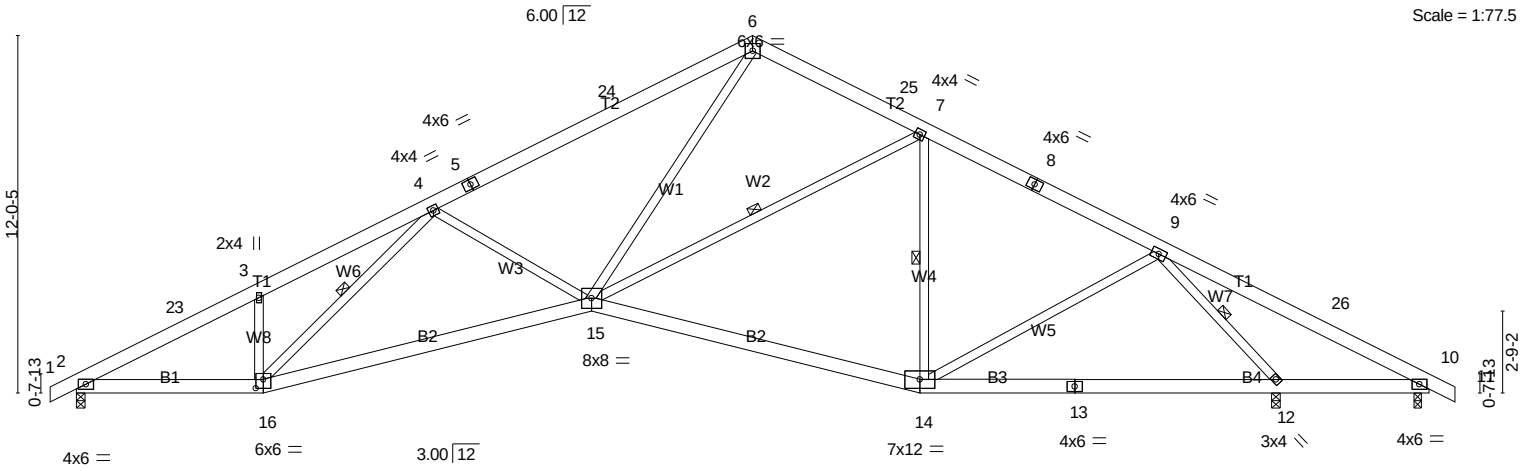
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A13 | Roof Special | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:48 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-gYM?tfVvNEM?YHjg9_ZOYq_1NF6g4Ar1ujuIjLzQCDn

| -0-10-8 | 6-3-8 | 12-0-3 | 22-9-0 | 28-4-8 | 36-4-14 | 45-6-0 | 46-4-8 |
|---|---|---|---|---|---|---|---|
| 0-10-8 | 6-3-8 | 5-8-11 | 10-8-13 | 5-7-8 | 8-0-6 | 9-1-2 | 0-10-8 |

Scale = 1:77.5




| 6-3-8 | 17-4-0 | 28-4-8 | 40-4-4 | 45-3-0 | 45-6-0 |
|---|---|---|---|---|---|
| 6-3-8 | 11-0-8 | 11-0-8 | 11-11-12 | 4-10-12 | 0-3-0 |

Plate Offsets (X,Y)-- [16:0-3-0,0-3-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.99 | Vert(LL) | -0.19 | 15-16 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.76 | Vert(CT) | -0.44 | 15-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.73 | Horz(CT) | 0.13 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 325 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W2: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-12.
WEBS 1 Row at midpt 4-16, 7-15, 7-14, 9-12

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

**REACTIONS.** (lb/size) 2=1628/0-3-8 (min. 0-1-15), 12=2254/0-3-8 (min. 0-2-11), 10=-136/0-3-0 (min. 0-1-8)
Max Horz 2=181(LC 11)
Max Uplift10=-267(LC 21)
Max Grav 2=1628(LC 1), 12=2254(LC 1), 10=1(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-2926/65, 3-23=-2834/81, 3-4=-2847/148, 4-5=-2895/80, 5-24=-2741/106, 6-24=-2729/132, 6-25=-1637/165, 7-25=-1777/137, 7-8=-1637/152, 8-9=-1756/114, 9-26=0/881, 10-26=0/735
BOT CHORD 2-16=0/2535, 15-16=-16/2945, 14-15=0/1528, 13-14=-50/987, 12-13=-50/987, 10-12=-678/14
WEBS 4-16=-448/47, 4-15=-515/185, 6-15=0/1763, 7-15=-176/273, 7-14=-431/57, 9-14=0/593, 9-12=-2520/91

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 3-8-2, Interior(1) 3-8-2 to 22-9-0, Exterior(2) 22-9-0 to 27-3-10, Interior(1) 27-3-10 to 46-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A14 | Hip | 1 | 1 | Job Reference (optional) |

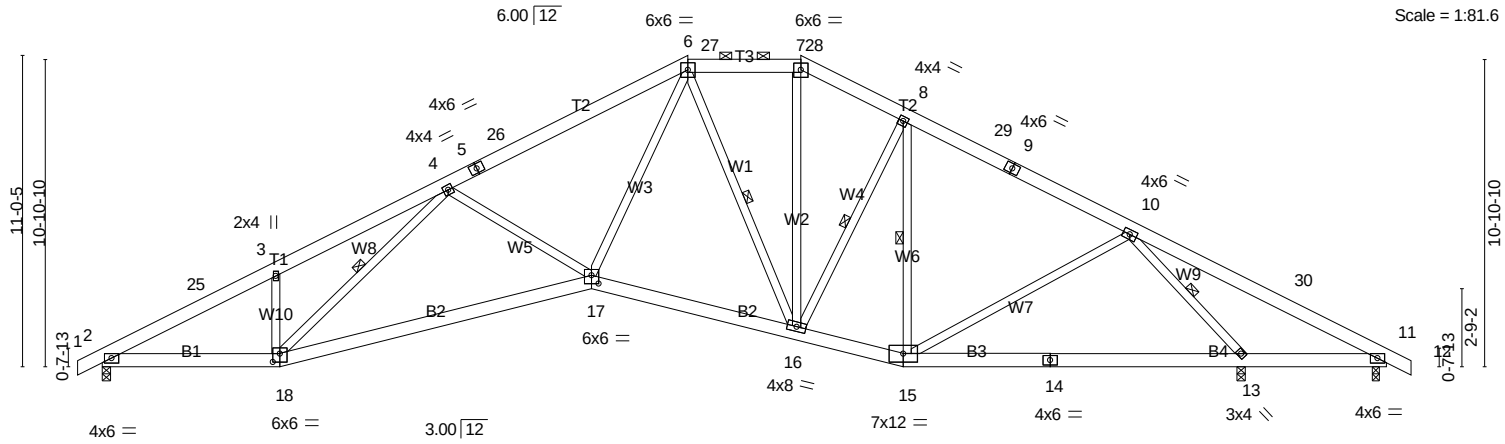
84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:50 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-cwTmILXAvrcjnat2GPbsdF3UF2neY5oKL1NPoEzQCDl

-0-10-8 | 6-3-8 | 12-3-0 | 20-9-0 | 24-9-0 | 28-4-8 | 36-4-14 | 45-6-0 | 46-4-8

0-10-8 | 6-3-8 | 5-11-8 | 8-6-0 | 4-0-0 | 3-7-8 | 8-0-6 | 9-1-2 | 0-10-8

Scale = 1:81.6




6-3-8 | 17-4-0 | 20-9-0 | 24-9-0 | 28-4-8 | 40-4-4 | 45-3-0 | 45-6-0

6-3-8 | 11-0-8 | 3-5-0 | 4-0-0 | 3-7-8 | 11-11-12 | 4-10-12 | 0-3-0

Plate Offsets (X,Y)-- [7:0-0-0,0-0-0], [17:0-3-0,0-3-8], [18:0-3-0,0-3-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.52 | Vert(LL) | -0.20 | 17-18 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.79 | Vert(CT) | -0.47 | 17-18 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.70 | Horz(CT) | 0.14 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 343 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except
2-0-0 oc purlins (5-9-14 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-13.
WEBS 1 Row at midpt 4-18, 8-16, 8-15, 10-13, 6-16

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

**REACTIONS.** (lb/size) 2=1634/0-3-8 (min. 0-1-15), 13=2192/0-3-8 (min. 0-2-9), 11=-81/0-3-0 (min. 0-1-8)
Max Horz 2=165(LC 11)
Max Uplift11=-237(LC 21)
Max Grav 2=1634(LC 1), 13=2192(LC 1), 11=37(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-2957/101, 3-25=-2871/117, 3-4=-2920/192, 4-5=-2927/145, 5-26=-2871/151, 6-26=-2803/185, 6-27=-1551/213, 27-28=-1551/213, 7-28=-1551/213, 7-8=-1777/220, 8-29=-1636/185, 9-29=-1658/167, 9-10=-1776/147, 10-30=0/761, 11-30=0/626
BOT CHORD 2-18=-29/2568, 17-18=-80/2917, 16-17=0/1906, 15-16=0/1529, 14-15=-75/1036, 13-14=-75/1036, 11-13=-572/33
WEBS 3-18=-278/104, 4-18=-360/54, 4-17=-399/166, 6-17=0/1692, 7-16=-59/574, 8-16=-18/303, 8-15=-493/41, 10-15=0/588, 10-13=-2433/144, 6-16=-801/48

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 3-8-2, Interior(1) 3-8-2 to 20-9-0, Exterior(2) 20-9-0 to 31-2-3, Interior(1) 31-2-3 to 46-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11. This connection is for uplift only and does not consider lateral forces.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A15 | Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:13:55 2021 Page 1

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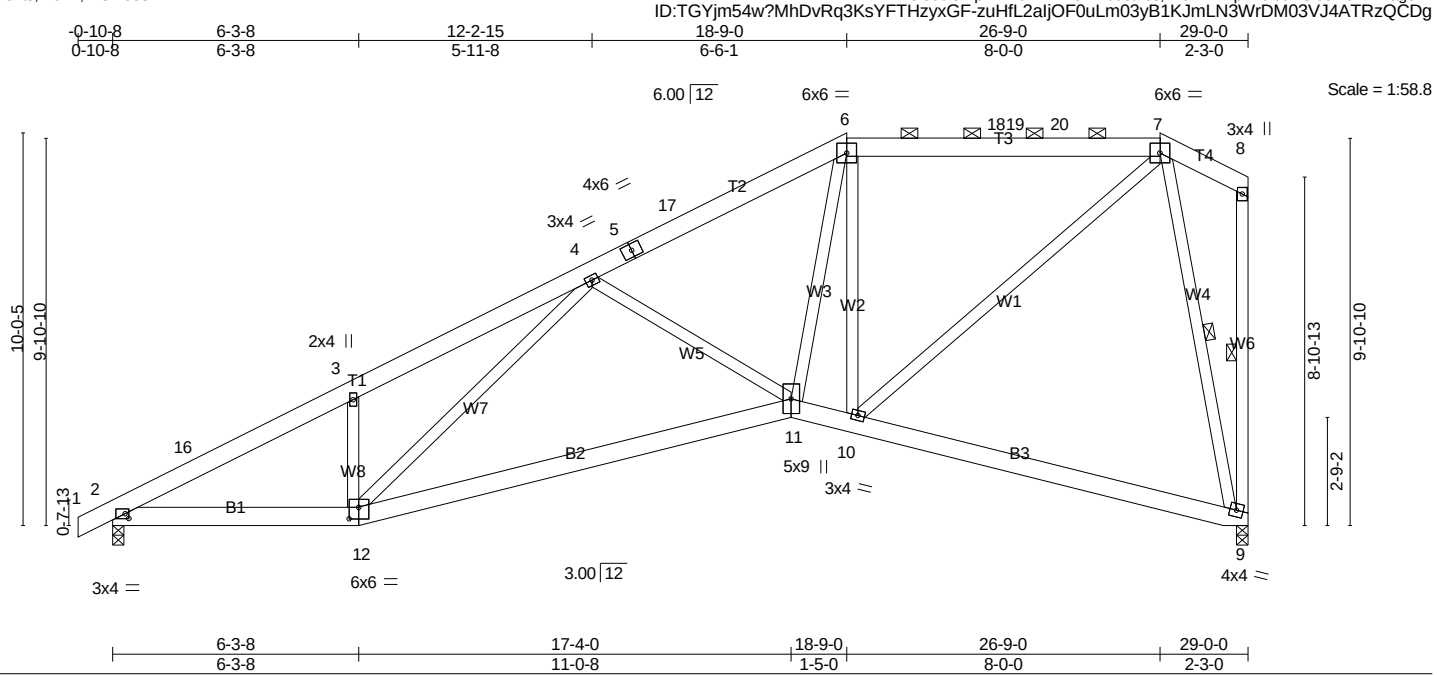


Plate Offsets (X,Y)-- [2:0-1-2,0-1-8], [12:0-3-0,0-3-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.56 | Vert(LL) | -0.17 | 11-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.66 | Vert(CT) | -0.37 | 11-12 | >924 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.70 | Horz(CT) | 0.08 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 233 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-9, 7-9

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

**REACTIONS.** (lb/size) 2=1207/0-3-8 (min. 0-1-8), 9=1153/0-3-8 (min. 0-1-8)
Max Horz 2=251(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2065/23, 3-16=-1989/45, 3-4=-2049/121, 4-5=-1574/89, 5-17=-1513/96, 6-17=-1483/119, 6-18=-1110/109, 18-19=-1110/109, 19-20=-1110/109, 7-20=-1110/109
BOT CHORD 2-12=-237/1779, 11-12=-329/1768, 10-11=-214/1141, 9-10=-120/299
WEBS 3-12=-324/106, 4-11=-433/124, 6-11=-137/1003, 6-10=-761/217, 7-9=-1171/246, 7-10=-114/1154

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 18-9-0, Exterior(2) 18-9-0 to 22-11-15, Interior(1) 22-11-15 to 26-9-0, Exterior(2) 26-9-0 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A16 | ATTIC | 1 | 1 | Job Reference (optional) |



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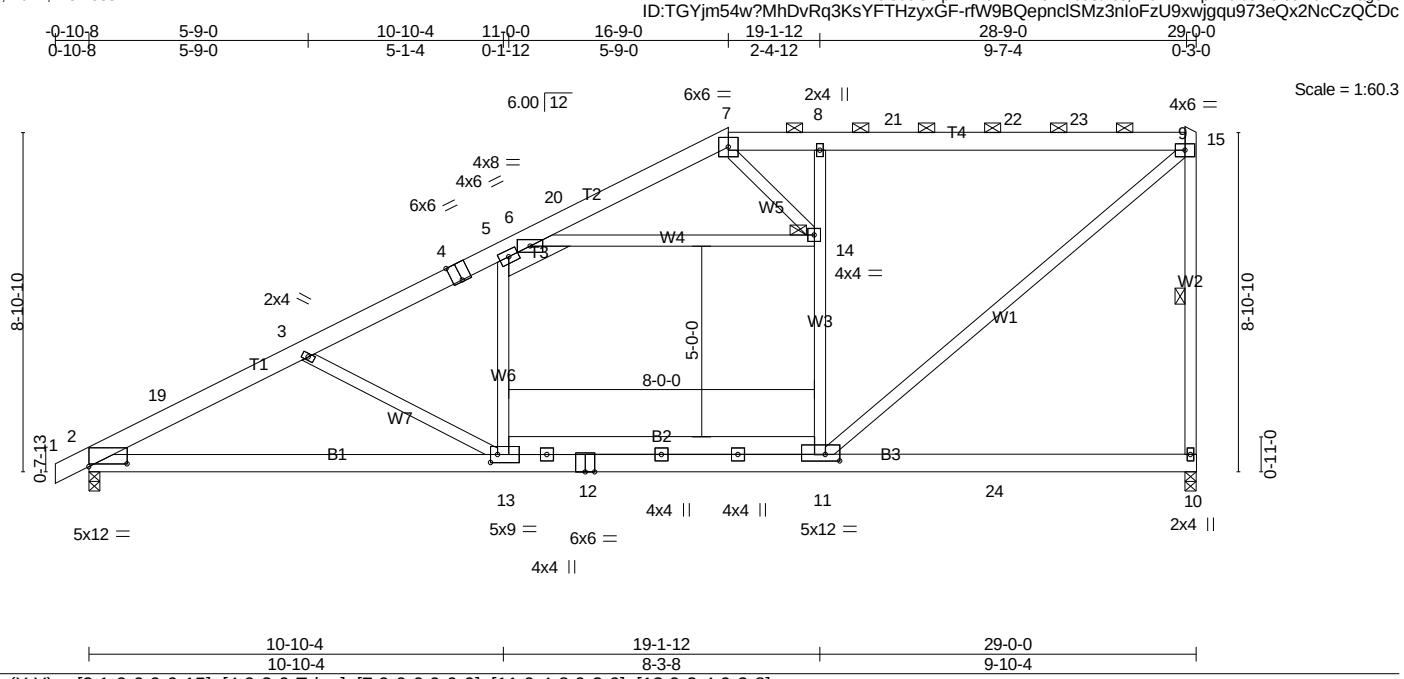





Plate Offsets (X,Y)-- [2:1-0-0,0-0-15], [4:0-3-0,Edge], [7:0-0-0,0-0-0], [11:0-4-8,0-2-0], [13:0-2-4,0-2-8]

| **LOADING** (psf) | | **SPACING-** 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL 20.0 | | Plate Grip DOL 1.15 | TC 0.99 | | Vert(LL) | -0.39 | 13-18 | >887 | 240 | MT20 | 197/144 |
| TCDL 10.0 | | Lumber DOL 1.15 | BC 0.91 | | Vert(CT) | -0.86 | 13-18 | >402 | 180 | | |
| BCLL 0.0 | * | Rep Stress Incr YES | WB 0.89 | | Horz(CT) | 0.02 | 10 | n/a | n/a | | |
| BCDL 10.0 | | Code IRC2015/TPI2014 | Matrix-MS | | Attic | -0.19 | 11-13 | 529 | 360 | Weight: 240 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B1: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W3,W1: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 7-9, 9-15.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 9-10
JOINTS 1 Brace at Jt(s): 14

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

**REACTIONS.** (lb/size) 2=1247/0-3-8 (min. 0-1-8), 10=1196/0-3-8 (min. 0-1-10)
Max Horz 2=246(LC 11)
Max Uplift10=-3(LC 9)
Max Grav 2=1271(LC 18), 10=1364(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2111/18, 3-19=-2013/41, 3-4=-1586/5, 4-5=-1478/21, 5-6=-1346/60, 6-20=-872/61, 7-20=-849/86, 7-8=-1144/106, 8-21=-1245/106, 21-22=-1245/106, 22-23=-1245/106, 9-23=-1245/106, 9-10=-1250/128
BOT CHORD 2-13=-235/1977, 12-13=-143/1338, 11-12=-143/1338
WEBS 3-13=-728/105, 5-13=0/277, 11-14=-520/182, 8-14=-827/186, 9-11=-112/1679, 6-14=-499/14, 7-14=-18/521

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-9-0, Exterior(2) 16-9-0 to 20-11-15, Interior(1) 20-11-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 5-6, 6-14
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. This connection is for uplift only and does not consider lateral forces.
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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A17 | ATTIC | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:05 2021 Page 1

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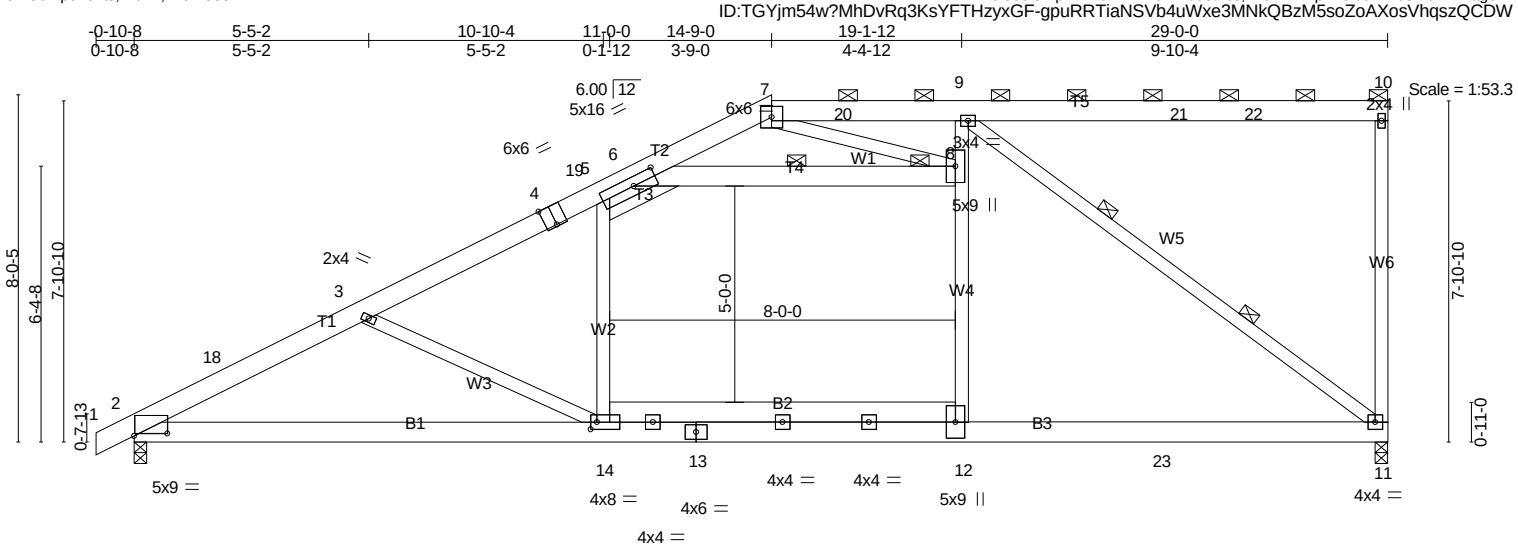


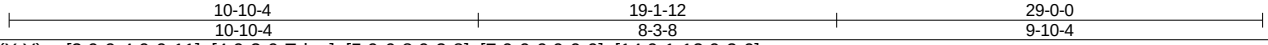


Plate Offsets (X,Y)-- [2:0-9-4,0-0-11], [4:0-3-0,Edge], [5:0-6-8,0-2-8], [7:0-0-0,0-0-0], [14:0-1-12,0-2-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.85 | Vert(LL) | -0.36 | 14-17 | >950 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 1.00 | Vert(CT) | -0.71 | 14-17 | >488 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.98 | Horz(CT) | 0.04 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.20 | 12-14 | 492 | 360 | Weight: 244 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W4: 2x4 SP No.2 or 2x4 SPF No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 9-10, 6-8.
Except:
1 Row at midpt 6-8
BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 2 Rows at 1/3 pts 9-11
JOINTS 1 Brace at Jt(s): 10, 8

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

**REACTIONS.** (lb/size) 11=1196/0-3-8 (min. 0-1-9), 2=1247/0-3-8 (min. 0-1-8)
Max Horz 2=207(LC 11)
Max Grav 11=1315(LC 18), 2=1294(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2245/22, 3-18=-2160/44, 3-4=-1752/6, 4-19=-1637/22, 5-19=-1624/24, 5-6=-1464/63, 6-7=-821/51, 7-20=-1281/90, 9-20=-1282/89, 6-8=-706/38
BOT CHORD 2-14=-231/2071, 13-14=-126/1485, 12-13=-126/1485, 12-23=-122/1450, 11-23=-122/1450
WEBS 3-14=-749/117, 5-14=0/358, 8-12=0/661, 8-9=0/544, 9-11=-1797/89, 7-8=-43/598

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 14-9-0, Exterior(2) 14-9-0 to 19-1-12, Interior(1) 19-1-12 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 5-6, 6-7, 7-9
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A18 | ATTIC | 1 | 1 | Job Reference (optional) |



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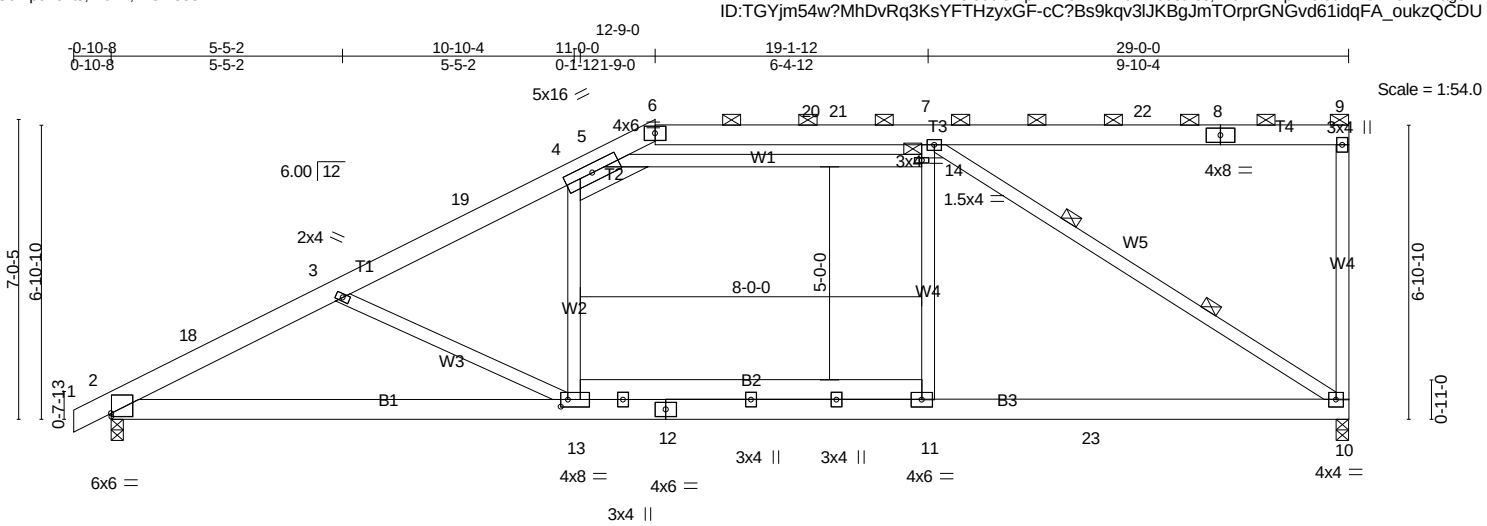


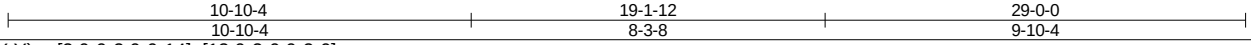


Plate Offsets (X,Y)-- [2:0-0-2,0-0-14], [13:0-2-0,0-2-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.63 | Vert(LL) | -0.18 | 10-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.63 | Vert(CT) | -0.30 | 13-17 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.98 | Horz(CT) | 0.04 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.12 | 11-13 | 841 | 360 | Weight: 227 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-3-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 7-10
JOINTS 1 Brace at Jt(s): 9, 14

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

**REACTIONS.** (lb/size) 10=1196/0-3-8 (min. 0-1-8), 2=1247/0-3-8 (min. 0-1-8)
Max Horz 2=180(LC 11)
Max Grav 10=1289(LC 18), 2=1287(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2260/30, 3-18=-2179/52, 3-19=-1834/16, 4-19=-1719/34, 4-5=-1497/71, 5-6=-1220/90, 6-20=-1236/78, 20-21=-1237/77, 7-21=-1237/77, 9-10=-267/65
BOT CHORD 2-13=-222/2059, 12-13=-117/1565, 11-12=-117/1565, 11-23=-115/1537, 10-23=-115/1537
WEBS 3-13=-571/116, 4-13=0/469, 11-14=0/535, 7-14=0/575, 7-10=-1805/86, 5-14=-306/28

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 12-9-0, Exterior(2) 12-9-0 to 16-11-15, Interior(1) 16-11-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-14
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A19 | ATTIC | 1 | 1 | Job Reference (optional) |



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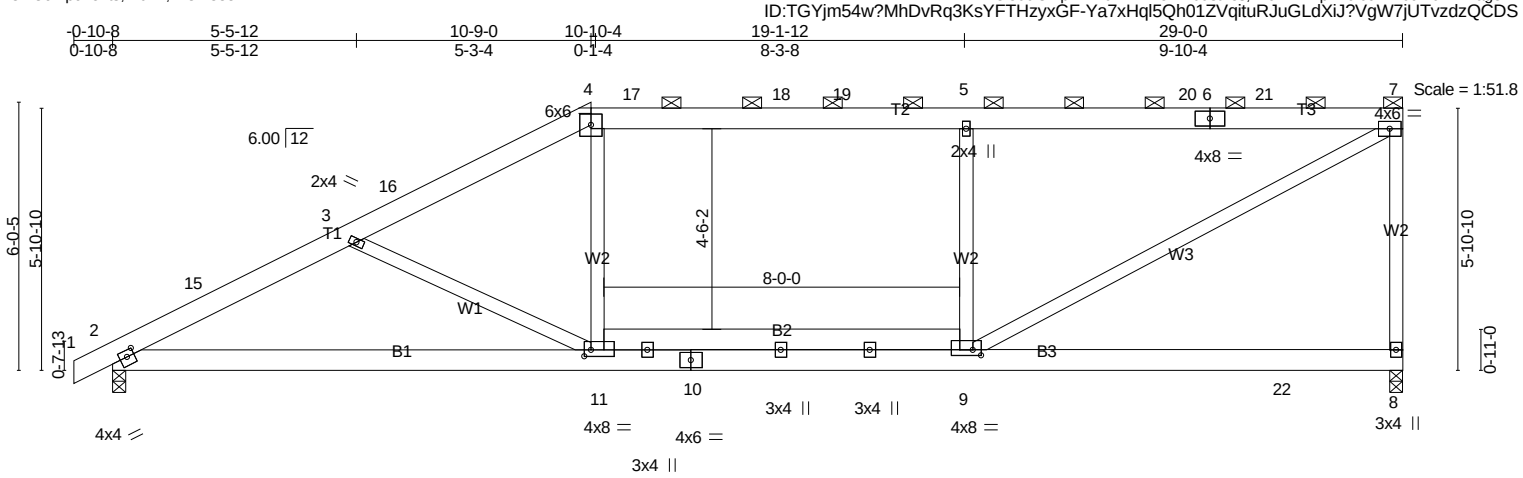


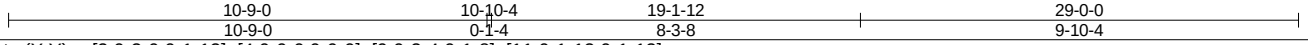




Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [4:0-0-0,0-0-0], [9:0-2-4,0-1-8], [11:0-1-12,0-1-12]

| **LOADING** (psf) | | **SPACING-** 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL 1.15 | TC | 0.97 | Vert(LL) | -0.21 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL 1.15 | BC | 0.60 | Vert(CT) | -0.29 | 8-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr YES | WB | 0.76 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | Matrix-MS | | Attic | -0.15 | 9-11 | 679 | 360 | Weight: 207 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-1 oc purlins, except end verticals, and 2-0-0 oc purlins (4-6-8 max.): 5-7.
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=1197/0-3-8 (min. 0-1-8), 2=1248/0-3-8 (min. 0-1-8)
Max Horz 2=153(LC 11)
Max Grav 8=1277(LC 18), 2=1257(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-2164/39, 3-15=-2115/62, 3-16=-1887/19, 4-16=-1831/42, 4-17=-1663/56, 17-18=-1664/56, 18-19=-1664/56, 5-19=-1665/55, 5-20=-1664/55, 6-20=-1664/55, 6-21=-1664/55, 7-21=-1664/55, 7-8=-1128/97
BOT CHORD 2-11=-215/1932, 10-11=-95/1687, 9-10=-95/1687
WEBS 3-11=-310/131, 4-11=0/435, 5-9=-686/139, 7-9=-66/1892

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-9-0, Exterior(2) 10-9-0 to 14-11-15, Interior(1) 14-11-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 4-5
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 9-11
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

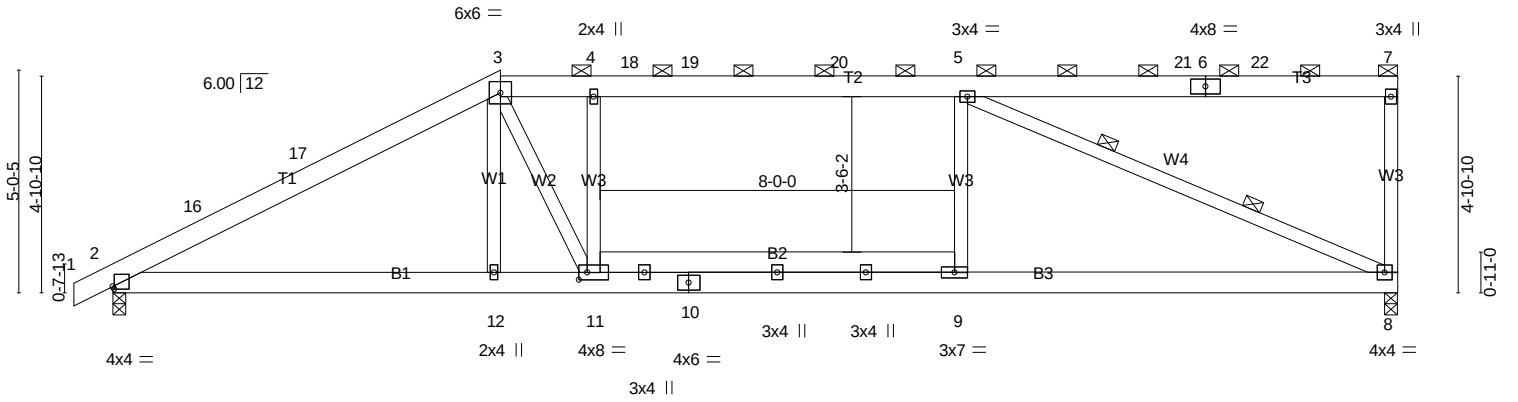
| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A20 | ATTIC | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:11 2021 Page 1

ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-VzFiiWnLyIGlop_5?JTnzhR32W0uyWqPAoy01WzQCDQ

| -0-10-8 | 8-9-0 | 10-10-4 | 19-1-12 | 29-0-0 |
|---|---|---|---|---|
| 0-10-8 | 8-9-0 | 2-1-4 | 8-3-8 | 9-10-4 |

Scale = 1:52.0




| 8-9-0 | 10-10-4 | 19-1-12 | 29-0-0 |
|---|---|---|---|
| 8-9-0 | 2-1-4 | 8-3-8 | 9-10-4 |

Plate Offsets (X,Y)-- [2:0-0-6,0-0-10], [11:0-2-4,0-2-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.58 | Vert(LL) | -0.11 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.21 | 8-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.97 | Horz(CT) | 0.05 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | Attic | -0.05 | 9-11 | 2037 | 360 | Weight: 205 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 5-8

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

**REACTIONS.** (lb/size) 8=1204/0-3-8 (min. 0-1-8), 2=1261/0-3-8 (min. 0-1-8)
Max Horz 2=125(LC 11)
Max Grav 8=1204(LC 18), 2=1263(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-2110/0, 16-17=-2024/3, 3-17=-2018/25, 3-4=-2029/42, 4-18=-2028/41, 18-19=-2028/41, 19-20=-2028/41, 5-20=-2028/41, 7-8=-255/67
BOT CHORD 2-12=-117/1838, 11-12=-118/1832, 10-11=-66/2046, 9-10=-66/2046, 8-9=-66/2046
WEBS 3-12=0/316, 3-11=-26/782, 4-11=-518/29, 5-9=0/387, 5-8=-2202/38

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-9-0, Exterior(2) 8-9-0 to 12-11-15, Interior(1) 12-11-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-5
7) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 9-11
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A21 | Half Hip | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:12 2021 Page 1

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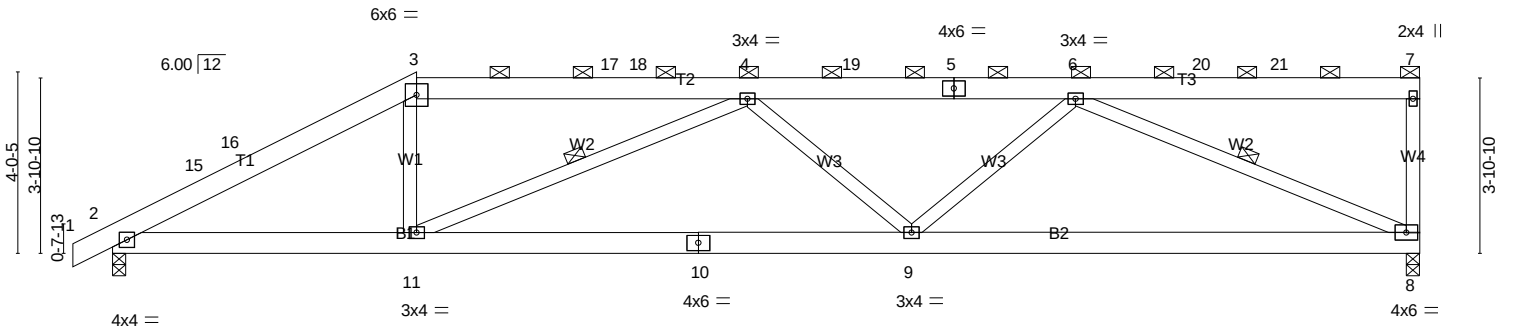
| -0-10-8 | 6-9-0 | 14-1-1 | 21-4-7 | 29-0-0 |
|---|---|---|---|---|
| 0-10-8 | 6-9-0 | 7-4-1 | 7-3-6 | 7-7-9 |

Scale = 1:51.1




| 6-9-0 | 17-8-12 | 29-0-0 |
|---|---|---|
| 6-9-0 | 10-11-12 | 11-3-4 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.47 | Vert(LL) | -0.12 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.69 | Vert(CT) | -0.28 | 8-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.78 | Horz(CT) | 0.06 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 187 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-10 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-1 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-11, 6-8

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

**REACTIONS.** (lb/size) 8=1153/0-3-8 (min. 0-1-8), 2=1207/0-3-8 (min. 0-1-8)
Max Horz 2=98(LC 11)
Max Uplift8=-12(LC 9)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-2078/55, 15-16=-2028/57, 3-16=-1994/79, 3-17=-1770/108, 17-18=-1770/107, 4-18=-1772/107, 4-19=-2319/66, 5-19=-2319/66, 5-6=-2319/66
BOT CHORD 2-11=-150/1791, 10-11=-176/2470, 9-10=-176/2470, 8-9=-146/1911
WEBS 3-11=0/561, 4-11=-864/68, 6-9=0/663, 6-8=-2053/139

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-9-0, Exterior(2) 6-9-0 to 10-11-15, Interior(1) 10-11-15 to 28-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A22 | Half Hip Girder | 1 | 2 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:17 2021 Page 1

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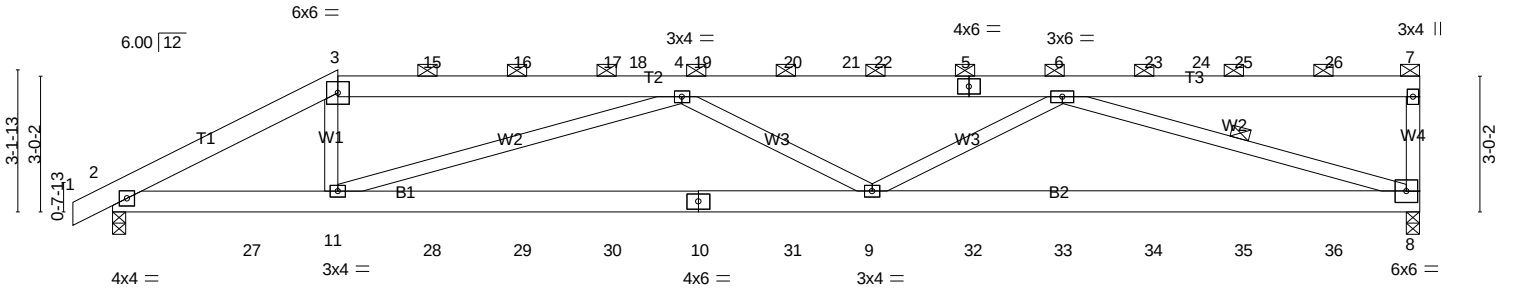
| -0-10-8 | 5-0-0 | 11-0-12 | 12-7-10 | 17-0-12 | 21-0-14 | 25-0-12 | 27-0-12 | 29-0-0 |
|---|---|---|---|---|---|---|---|---|
| 0-10-8 | 5-0-0 | 6-0-12 | 1-6-14 | 4-5-2 | 4-0-2 | 3-11-14 | 2-0-0 | 1-11-4 |

Scale = 1:51.1




| 3-0-12 | 5-0-0 | 16-10-4 | 29-0-0 |
|---|---|---|---|
| 3-0-12 | 1-11-4 | 11-10-4 | 12-1-12 |

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.52 | Vert(LL) | -0.16 | 9-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.77 | Vert(CT) | -0.36 | 9-11 | >971 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.71 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 367 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-8

**REACTIONS.** (lb/size) 8=1938/0-3-8 (min. 0-1-8), 2=2074/0-3-8 (min. 0-1-8)
Max Horz 2=74(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3921/0, 3-15=-3405/0, 15-16=-3406/0, 16-17=-3407/0, 17-18=-3408/0, 4-18=-3408/0, 4-19=-5498/0, 19-20=-5498/0, 20-21=-5498/0, 21-22=-5498/0, 5-22=-5498/0, 5-6=-5498/0, 7-8=-307/64
BOT CHORD 2-27=0/3475, 11-27=0/3475, 11-28=0/5634, 28-29=0/5634, 29-30=0/5634, 10-30=0/5634, 10-31=0/5634, 9-31=0/5634, 9-32=-73/4470, 32-33=-73/4470, 33-34=-73/4470, 34-35=-73/4470, 35-36=-73/4470, 8-36=-73/4470
WEBS 3-11=0/1230, 4-11=-2397/130, 4-9=-159/317, 6-9=0/1358, 6-8=-4544/83

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 52 lb up at 5-0-0, 77 lb down and 49 lb up at 7-0-12, 77 lb down and 49 lb up at 9-0-12, 75 lb down and 49 lb up at 11-0-12, 72 lb down and 49 lb up at 13-0-12, 72 lb down and 49 lb up at 15-0-12, 76 lb down and 49 lb up at 17-0-12, 77 lb down and 49 lb up at 19-0-12, 77 lb down and 49 lb up at 21-0-12, 77 lb down and 49 lb up at 23-0-12, and 77 lb down and 49 lb up at 25-0-12, and 77 lb down and 49 lb up at 27-0-12 on top chord, and 296 lb down at 3-0-12, 51 lb down at 5-0-12, 51 lb down at 7-0-12, 51 lb down at 9-0-12, 51 lb down at 11-0-12, 51 lb down at 13-0-12, 51 lb down at 15-0-12, 51 lb down at 17-0-12, 51 lb down at 19-0-12, 51 lb down at 21-0-12, 51 lb down at 23-0-12, and 51 lb down at 25-0-12, and 51 lb down at 27-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-7=-60, 8-12=-20
   Concentrated Loads (lb)
      Vert: 3=-68(B) 5=-68(B) 10=-45(B) 11=-45(B) 9=-45(B) 6=-68(B) 15=-68(B) 16=-68(B) 17=-68(B) 19=-68(B) 20=-68(B) 22=-68(B) 23=-68(B) 25=-68(B) 26=-68(B) 27=-296(B) 28=-45(B) 29=-45(B) 30=-45(B) 31=-45(B) 32=-45(B) 33=-45(B) 34=-45(B) 35=-45(B) 36=-45(B)

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A23 | Common Girder | 1 | 2 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:19 2021 Page 1

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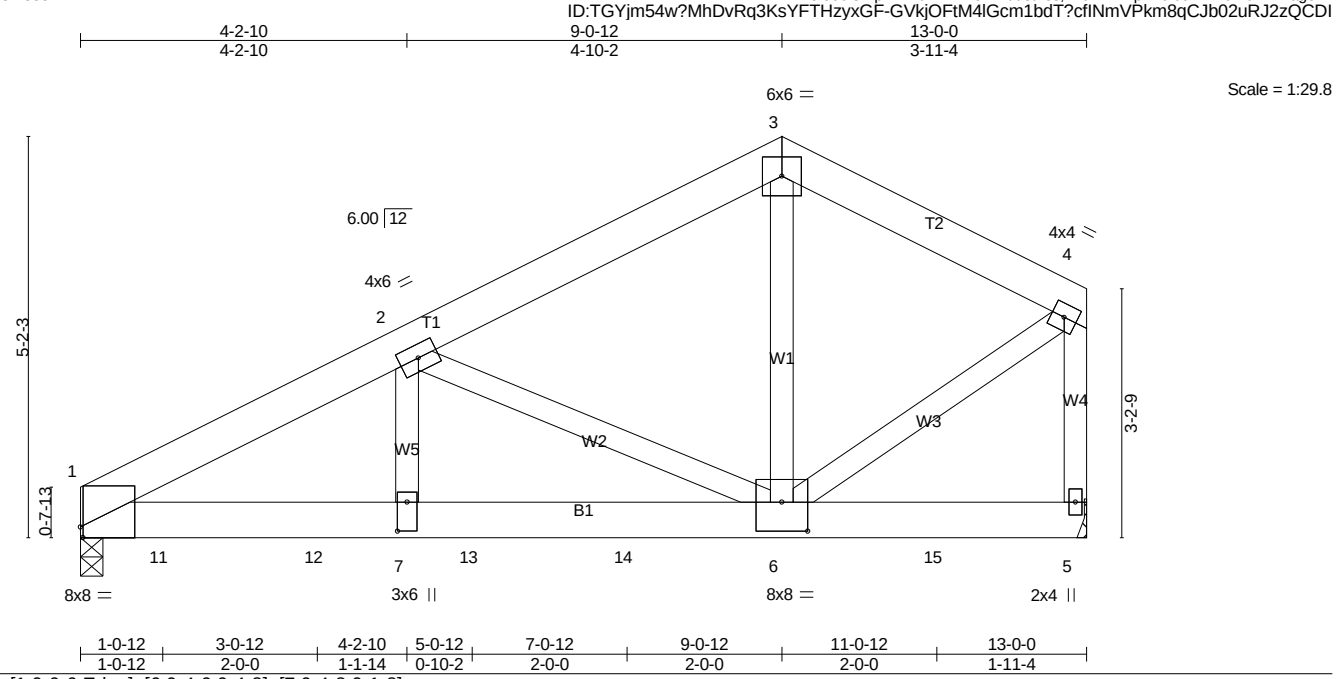


Plate Offsets (X,Y)-- [1:0-0-6,Edge], [6:0-4-0,0-4-8], [7:0-4-8,0-1-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.30 | Vert(LL) | -0.05 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.42 | Vert(CT) | -0.10 | 6-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.68 | Horz(CT) | 0.02 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 183 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=4543/0-3-8 (min. 0-2-5), 5=3786/Mechanical
Max Horz 1=100(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6637/0, 2-3=-3033/0, 3-4=-3041/0, 4-5=-3387/0
BOT CHORD 1-11=0/5915, 11-12=0/5915, 7-12=0/5915, 7-13=0/5915, 13-14=0/5915, 6-14=0/5915
WEBS 2-7=0/2895, 2-6=-3582/0, 3-6=0/2404, 4-6=0/3281

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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.
7) Refer to girder(s) for truss to truss connections.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1339 lb down at 1-0-12, 1339 lb down at 3-0-12, 1339 lb down at 5-0-12, 1094 lb down at 7-0-12, and 1094 lb down at 9-0-12, and 1094 lb down at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 6=-1094(B) 11=-1339(B) 12=-1339(B) 13=-1339(B) 14=-1094(B) 15=-1094(B)

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A24 | Common | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:20 2021 Page 1

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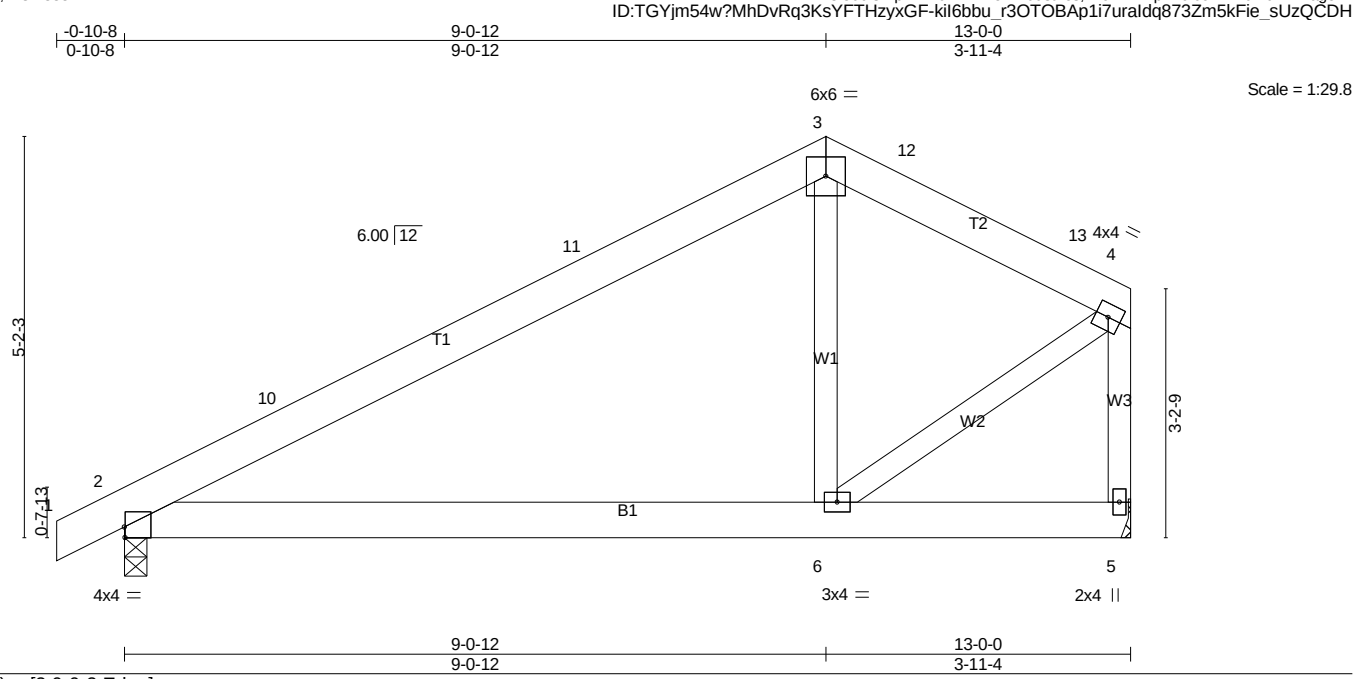


Plate Offsets (X,Y)-- [2:0-0-2,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.45 | Vert(LL) | -0.05 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.38 | Vert(CT) | -0.11 | 6-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.20 | Horz(CT) | 0.01 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 84 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.** (lb/size) 2=568/0-3-8 (min. 0-1-8), 5=512/Mechanical
Max Horz 2=105(LC 11)
Max Uplift2=-9(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-537/27, 10-11=-428/46, 3-11=-392/68, 3-12=-363/68, 12-13=-375/56, 4-13=-445/51, 4-5=-535/80
BOT CHORD 2-6=-64/383
WEBS 4-6=-49/478

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-12, Exterior(2) 9-0-12 to 12-0-12, Interior(1) 12-0-12 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Refer to girder(s) for truss to truss connections.
6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A25 | Common | 2 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:22 2021 Page 1

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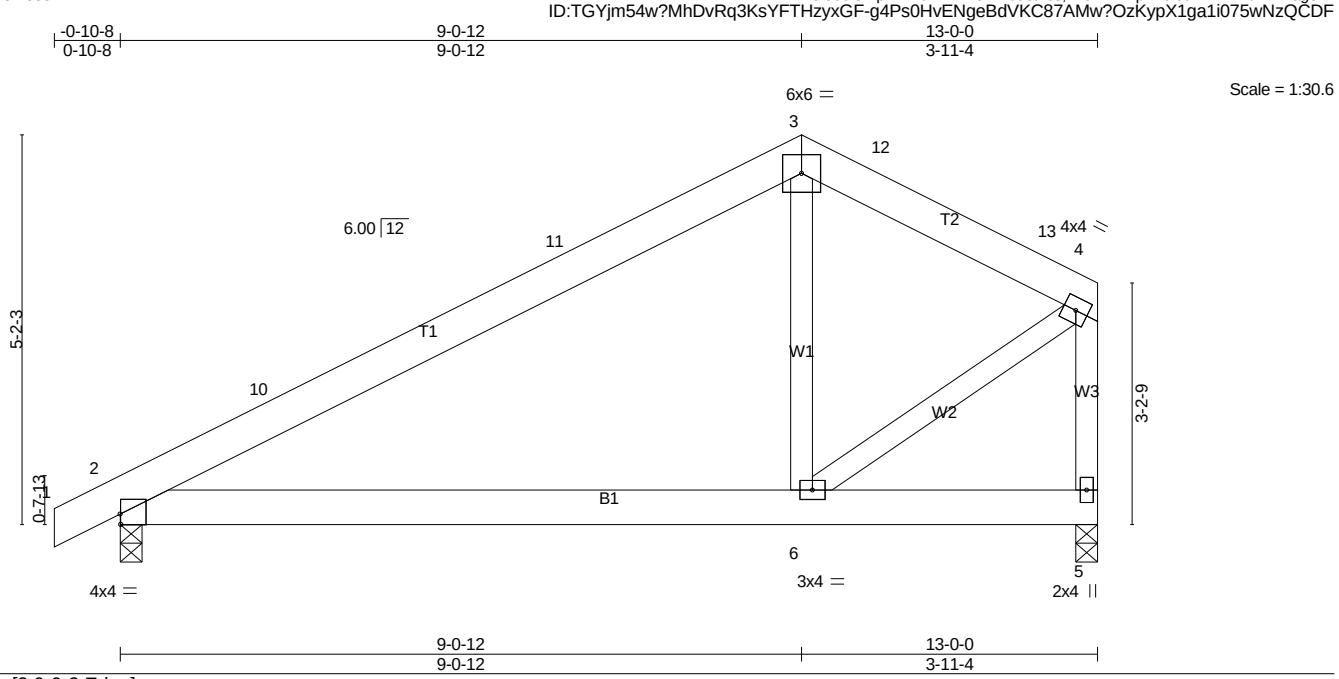


Plate Offsets (X,Y)-- [2:0-0-2,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.45 | Vert(LL) | -0.05 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.38 | Vert(CT) | -0.11 | 6-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.20 | Horz(CT) | 0.01 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 84 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.** (lb/size) 2=568/0-3-8 (min. 0-1-8), 5=512/0-3-8 (min. 0-1-8)
Max Horz 2=105(LC 11)
Max Uplift2=-9(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-537/27, 10-11=-428/46, 3-11=-392/68, 3-12=-363/68, 12-13=-375/56, 4-13=-445/51, 4-5=-535/80
BOT CHORD 2-6=-64/383
WEBS 4-6=-49/478

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-12, Exterior(2) 9-0-12 to 12-0-12, Interior(1) 12-0-12 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A26 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:23 2021 Page 1

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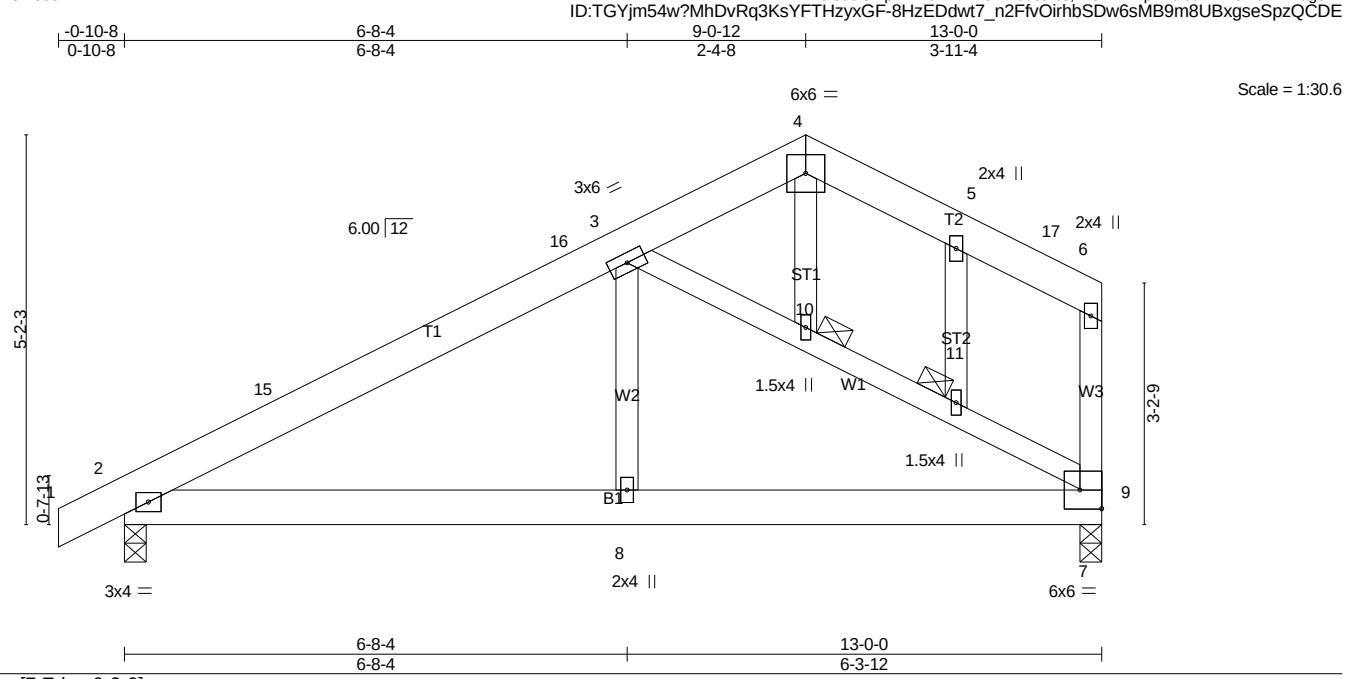


Plate Offsets (X,Y)-- [7:Edge,0-3-0]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.59 | Vert(LL) | -0.02 | 8-14 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.23 | Vert(CT) | -0.04 | 8-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.16 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 92 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 |
| WEBS | 2x4 SP No.3 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |
| JOINTS | 1 Brace at Jt(s): 10, 11 |

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

**REACTIONS.** (lb/size) 2=568/0-3-8 (min. 0-1-8), 7=512/0-3-8 (min. 0-1-8)
Max Horz 2=105(LC 11)
Max Uplift2=-9(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-664/35, 15-16=-615/56, 3-16=-521/59, 7-9=-434/66
BOT CHORD 2-8=-91/550, 7-8=-89/554
WEBS 3-10=-604/67, 10-11=-609/68, 9-11=-615/70, 3-8=0/267

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-12, Exterior(2) 9-0-12 to 12-0-12, Interior(1) 12-0-12 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable studs spaced at 2-0-0 oc.
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.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A27 | Common Supported Gable | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:25 2021 Page 1

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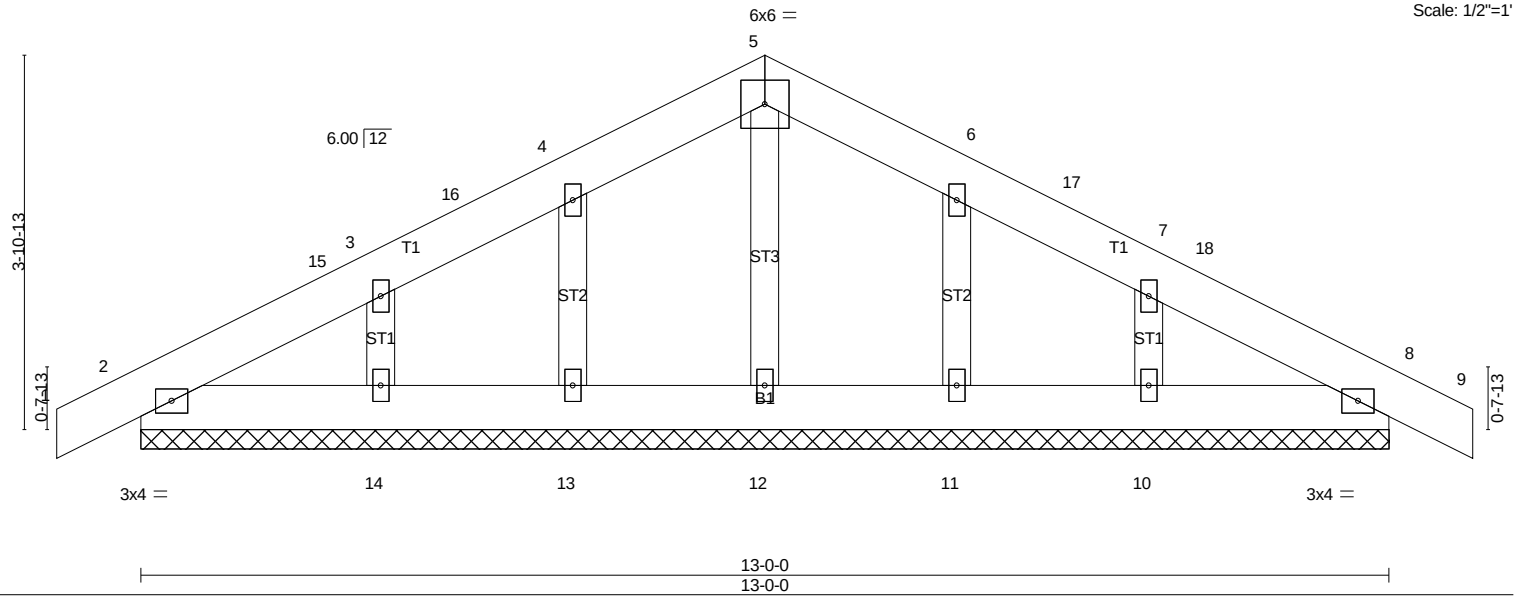
-0-10-8 / 0-10-8 | 6-6-0 / 6-6-0 | 13-0-0 / 6-6-0 | 13-10-8 / 0-10-8

Scale: 1/2"=1'




13-0-0 / 13-0-0

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.03 | Vert(LL) | 0.00 | 8 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.02 | Vert(CT) | 0.00 | 8 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 83 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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.** All bearings 13-0-0.
(lb) - Max Horz 2=-48(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 6-6-0, Corner(3) 6-6-0 to 9-6-0, Exterior(2) 9-6-0 to 13-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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 2-0-0 wide will fit between the bottom chord and any other members.
9) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 8, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces.
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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A28 | Common | 9 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:26 2021 Page 1

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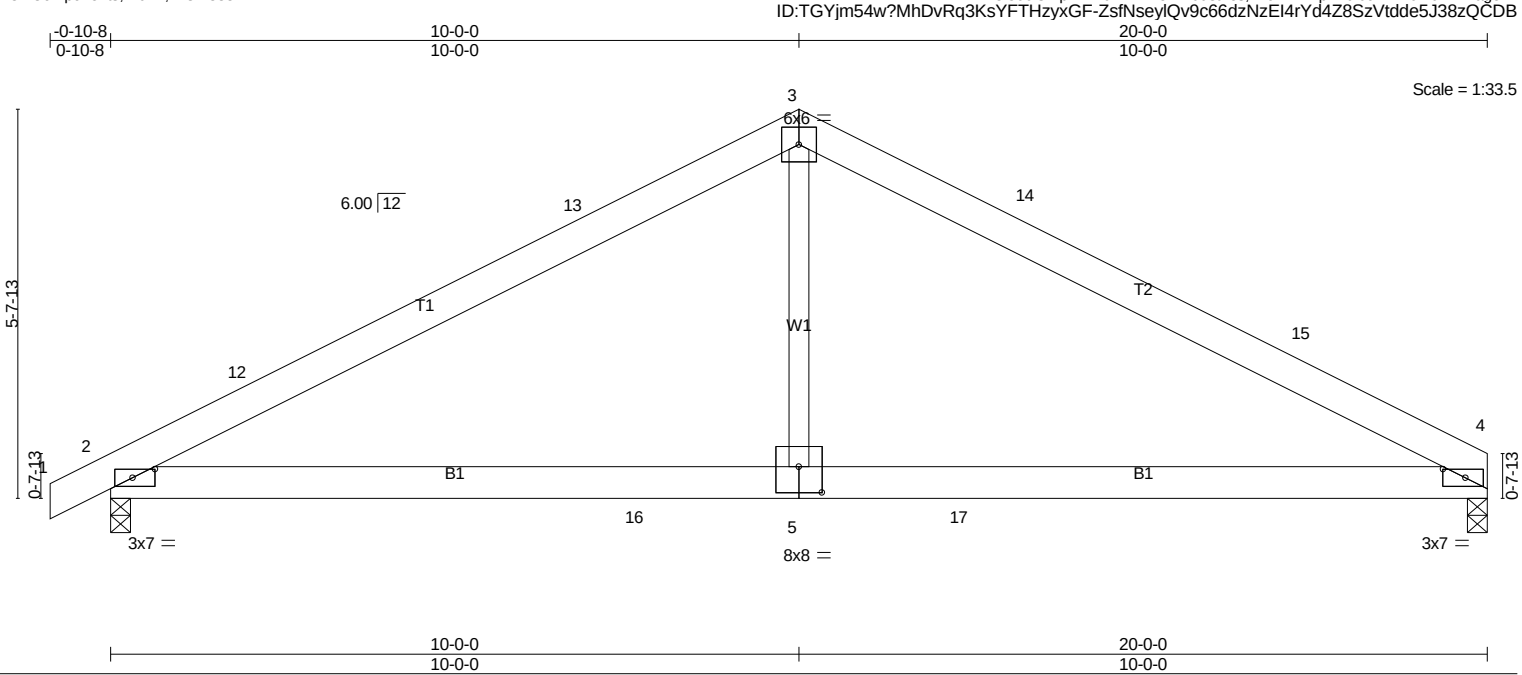


Plate Offsets (X,Y)-- [2:0-3-14,0-1-8], [4:0-3-14,0-1-8], [5:0-4-0,0-4-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.59 | Vert(LL) | -0.08 | 5-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.16 | 5-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.18 | Horz(CT) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 109 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-8-12 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) 4=799/0-3-8 (min. 0-1-8), 2=854/0-3-8 (min. 0-1-8)
Max Horz 2=70(LC 11)
Max Uplift2=-5(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1136/26, 12-13=-1037/47, 3-13=-994/71, 3-14=-994/76, 14-15=-1037/51, 4-15=-1136/39
BOT CHORD 2-16=0/938, 5-16=0/938, 5-17=0/938, 4-17=0/938
WEBS 3-5=0/465

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 13-0-0 to 20-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A29 | Common | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:28 2021 Page 1

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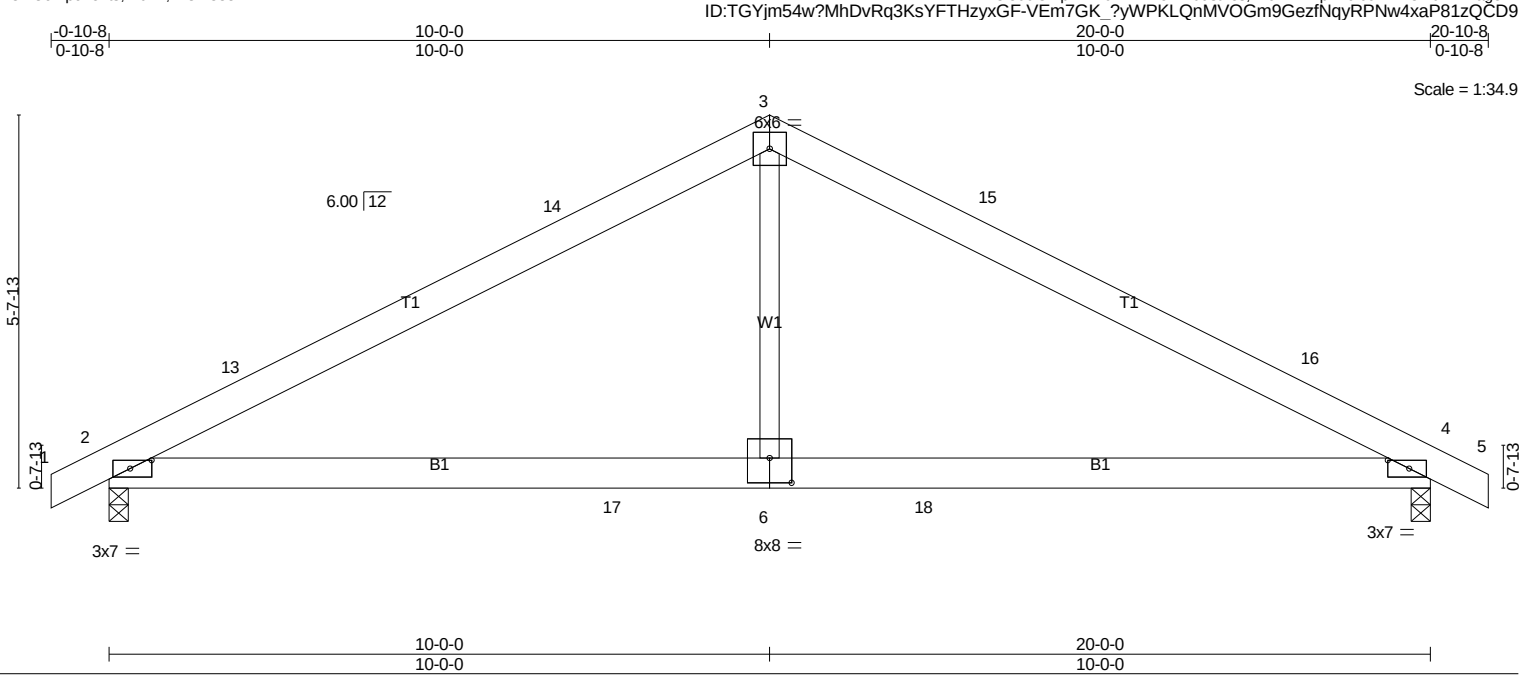


Plate Offsets (X,Y)-- [2:0-3-14,0-1-8], [4:0-3-14,0-1-8], [6:0-4-0,0-4-8]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.59 | Vert(LL) | -0.08 | 6-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.16 | 6-12 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.18 | Horz(CT) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 112 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-9-2 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) 2=852/0-3-8 (min. 0-1-8), 4=853/0-3-8 (min. 0-1-8)
Max Horz 2=70(LC 11)
Max Uplift2=-5(LC 12), 4=-5(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1134/26, 13-14=-1034/46, 3-14=-991/71, 3-15=-991/71, 15-16=-1034/46, 4-16=-1134/26
BOT CHORD 2-17=0/940, 6-17=0/940, 6-18=0/940, 4-18=0/940
WEBS 3-6=0/465

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-0-0, Exterior(2) 10-0-0 to 13-0-0, Interior(1) 13-0-0 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A30 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:30 2021 Page 1

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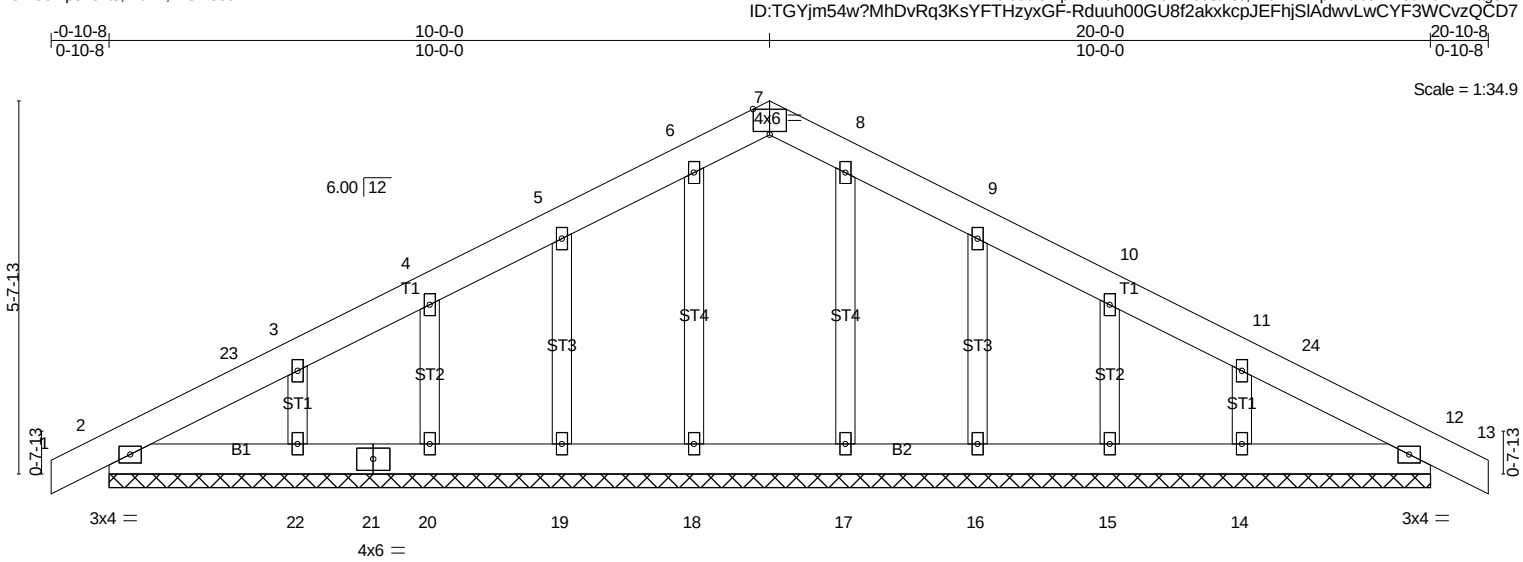


20-0-0
20-0-0

Plate Offsets (X,Y)-- [7:0-3-0,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.04 | Vert(LL) | 0.00 | 12 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | 0.00 | 12 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 136 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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.** All bearings 20-0-0.
(lb) - Max Horz 2=70(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 22, 16, 15, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 19, 20, 22, 17, 16, 15, 14, 12

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 10-0-0, Corner(3) 10-0-0 to 13-1-12, Exterior(2) 13-1-12 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 19, 20, 22, 16, 15, 14, and 12. This connection is for uplift only and does not consider lateral forces.
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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A31 | Common Supported Gable | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:32 2021 Page 1

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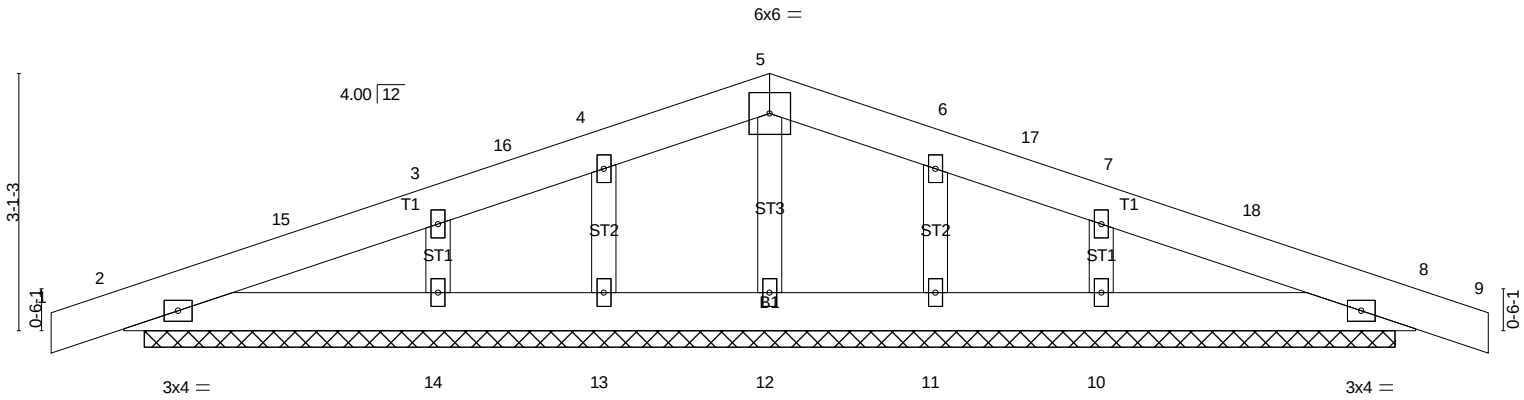


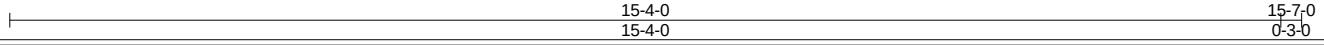


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | 0.00 | 9 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.04 | Vert(CT) | 0.00 | 9 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.04 | Horz(CT) | 0.00 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 90 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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.** All bearings 15-1-0.
(lb) - Max Horz 2=24(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 11 except 14=293(LC 21), 10=293(LC 22)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 7-9-8, Corner(3) 7-9-8 to 10-9-8, Exterior(2) 10-9-8 to 16-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 2x4 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.
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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 8, 13, and 11. This connection is for uplift only and does not consider lateral forces.
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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A32 | Common | 2 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:33 2021 Page 1

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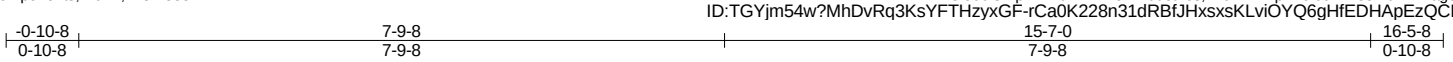


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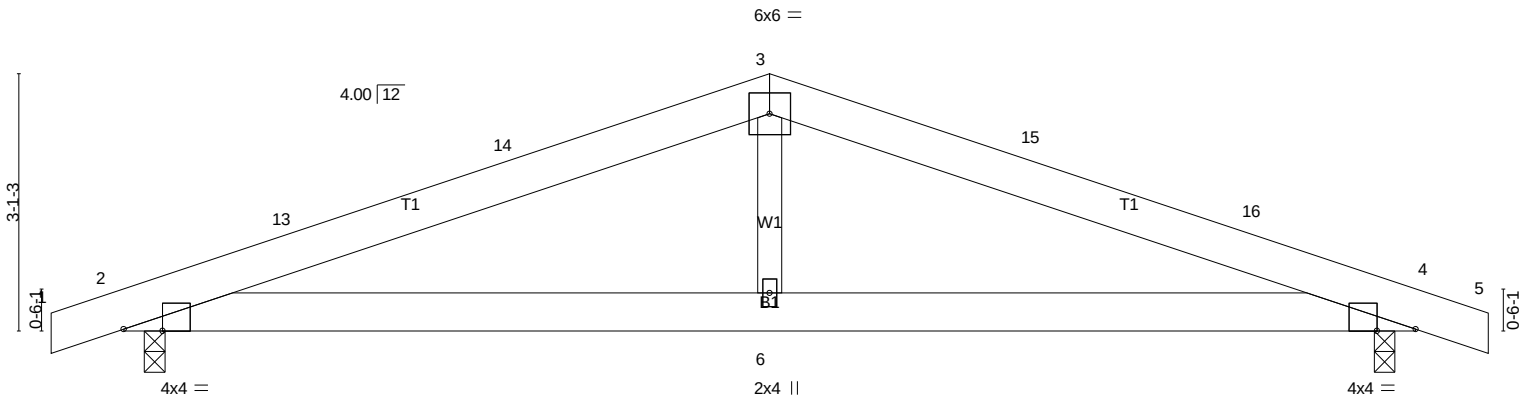


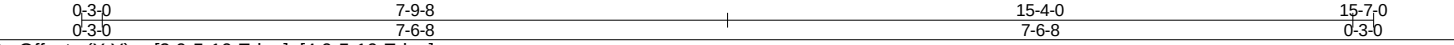


Plate Offsets (X,Y)-- [2:0-5-10,Edge], [4:0-5-10,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.31 | Vert(LL) | -0.04 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.42 | Vert(CT) | -0.08 | 6-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.14 | Horz(CT) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 83 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 2=676/0-3-0 (min. 0-1-8), 4=676/0-3-0 (min. 0-1-8)
Max Horz 2=-24(LC 10)
Max Uplift2=-8(LC 12), 4=-8(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1159/45, 13-14=-1120/55, 3-14=-1106/67, 3-15=-1106/67, 15-16=-1120/55, 4-16=-1159/45
BOT CHORD 2-6=0/1062, 4-6=0/1062
WEBS 3-6=0/357

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-9-8, Exterior(2) 7-9-8 to 10-9-8, Interior(1) 10-9-8 to 16-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A33 | Common | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:36 2021 Page 1

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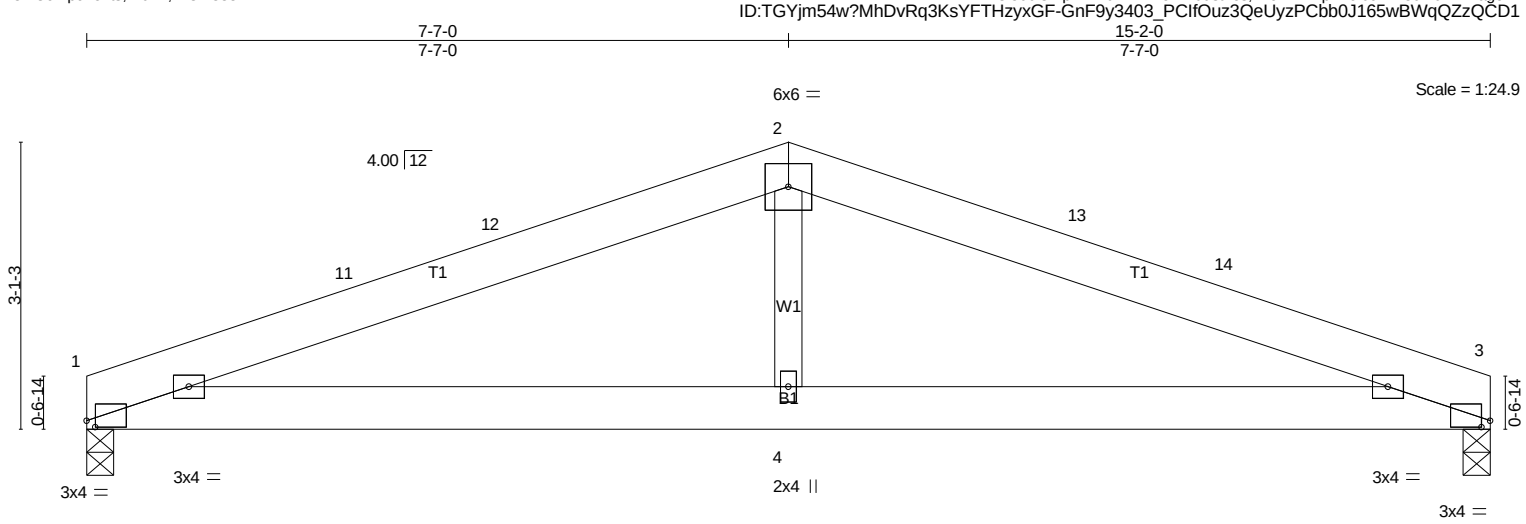


Plate Offsets (X,Y)-- [1:0-1-2,0-0-13], [3:0-1-2,0-0-13]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.29 | Vert(LL) | -0.04 | 4-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.37 | Vert(CT) | -0.07 | 4-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | 0.01 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MS | | | | | | | Weight: 77 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 1=607/0-3-8 (min. 0-1-8), 3=607/0-3-8 (min. 0-1-8)
Max Horz 1=21(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1105/62, 11-12=-1062/66, 2-12=-1051/79, 2-13=-1051/79, 13-14=-1062/66, 3-14=-1105/62
BOT CHORD 1-4=-19/1008, 3-4=-19/1008
WEBS 2-4=0/339

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-7-0, Exterior(2) 7-7-0 to 10-7-0, Interior(1) 10-7-0 to 15-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | A34 | Monopitch | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:37 2021 Page 1

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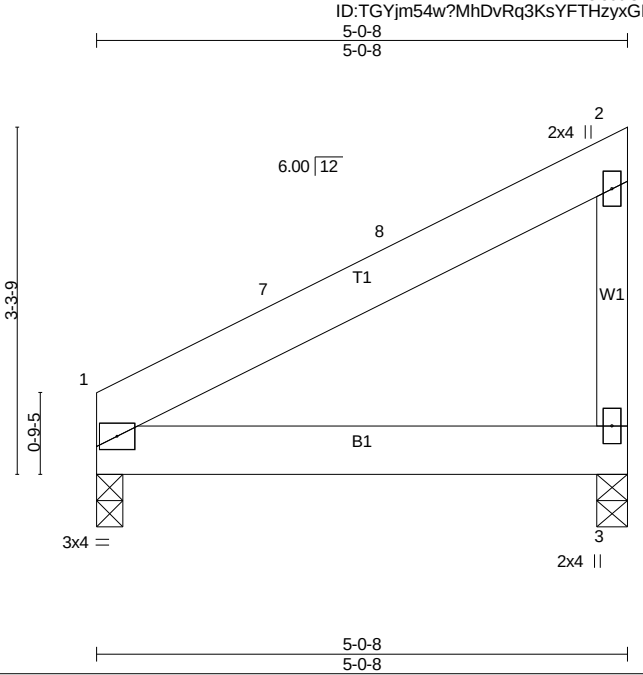


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.15 | Vert(LL) | -0.01 | 3-6 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(CT) | -0.02 | 3-6 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 1 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MP | | | | | | | Weight: 29 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
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) 1=196/0-3-0 (min. 0-1-8), 3=196/0-3-8 (min. 0-1-8)
Max Horz 1=73(LC 11)
Max Uplift3=-1(LC 9)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | J01 | Jack-Closed Girder | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:39 2021 Page 1

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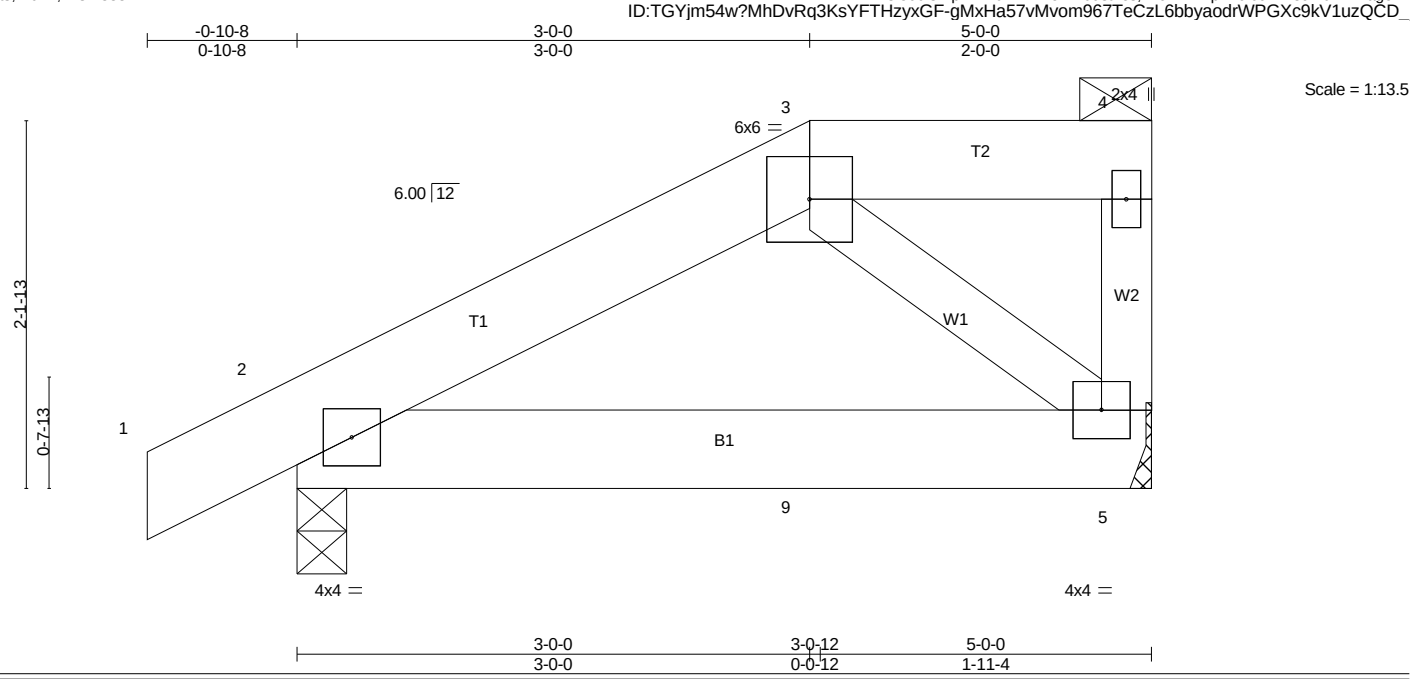


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.16 | Vert(LL) | -0.01 | 5-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.29 | Vert(CT) | -0.02 | 5-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.04 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MP | | | | | | | Weight: 32 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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=330/0-3-8 (min. 0-1-8), 5=316/Mechanical
Max Horz 2=50(LC 7)
Max Uplift2=-10(LC 8)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 205 lb down and 3 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-6=-20
Concentrated Loads (lb)
Vert: 9=-205(F)

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | J02 | Jack-Open | 25 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:44 2021 Page 1

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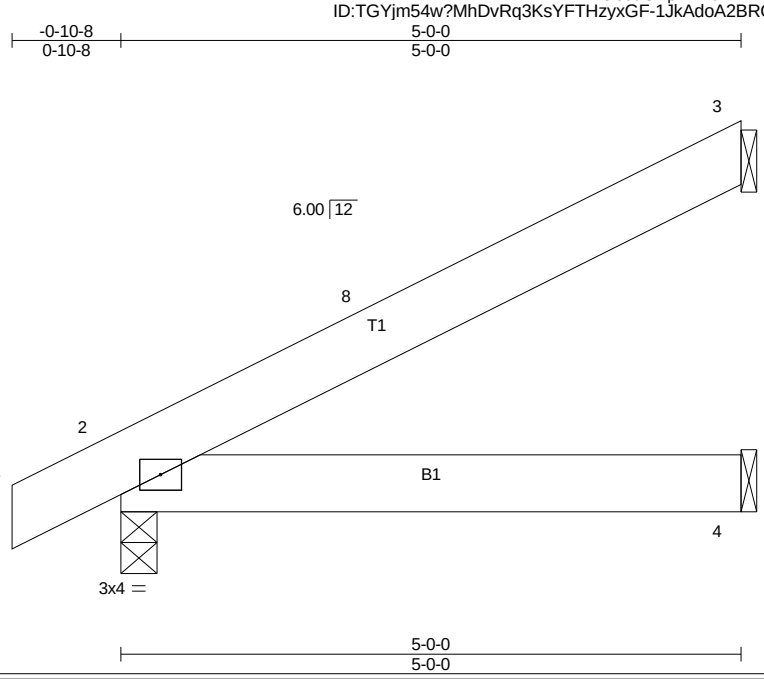


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.15 | Vert(LL) | -0.01 | 4-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.11 | Vert(CT) | -0.02 | 4-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MP | | | | | | | Weight: 28 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-0 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) 3=128/Mechanical, 2=255/0-3-8 (min. 0-1-8), 4=65/Mechanical
Max Horz 2=71(LC 12)
Max Uplift3=-29(LC 12), 2=-2(LC 12)
Max Grav 3=128(LC 1), 2=255(LC 1), 4=91(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | J03 | Jack-Closed | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:45 2021 Page 1

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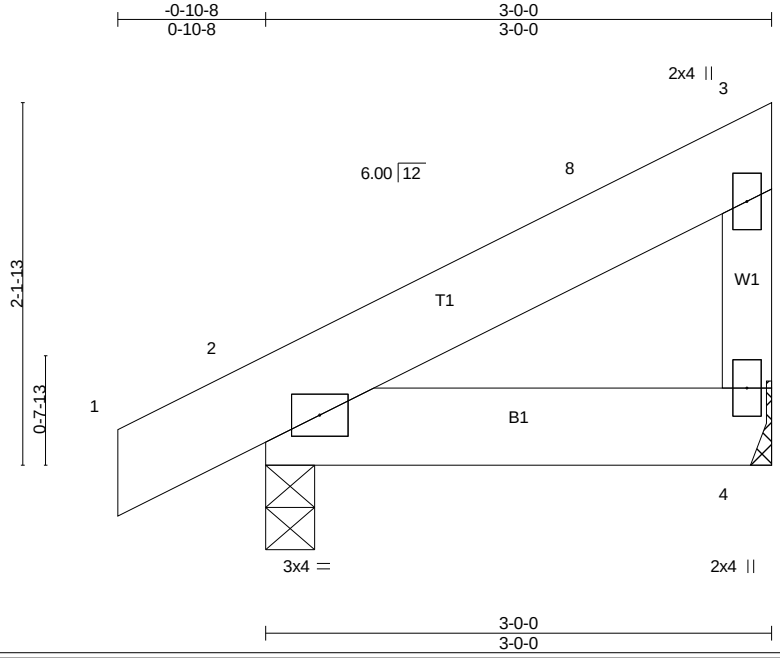


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.04 | Vert(LL) | -0.00 | 7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | -0.00 | 7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MP | | | | | | | Weight: 19 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
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) 4=106/Mechanical, 2=175/0-3-8 (min. 0-1-8)
Max Horz 2=47(LC 11)
Max Uplift2=-18(LC 12)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | J04 | Jack-Closed | 3 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:47 2021 Page 1

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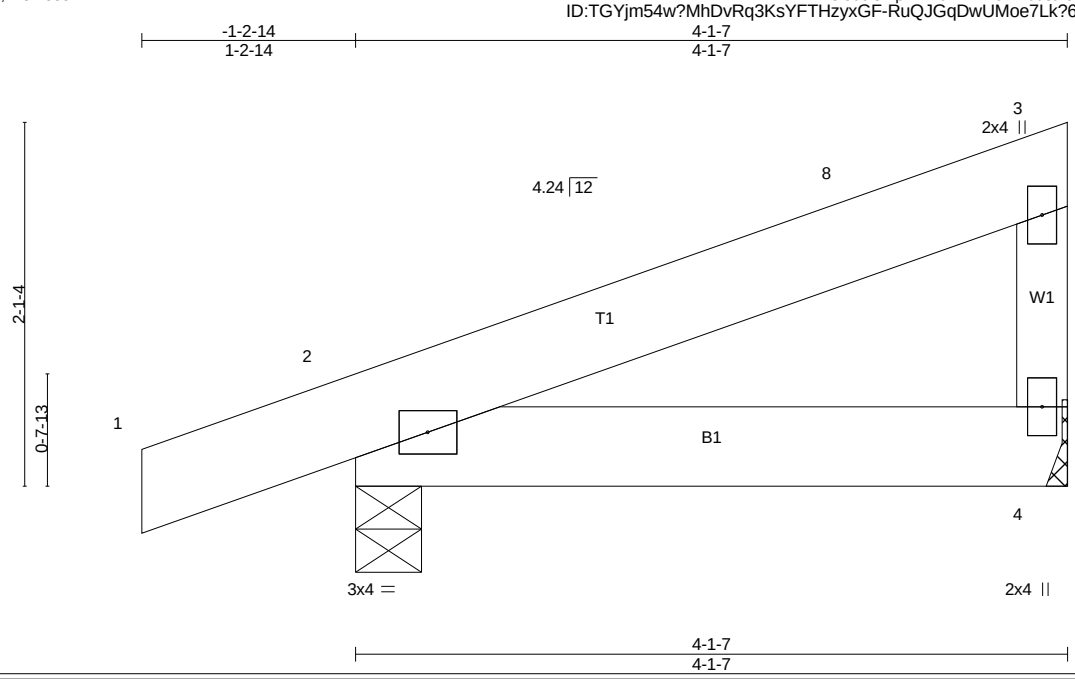


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.08 | Vert(LL) | -0.00 | 7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.06 | Vert(CT) | -0.01 | 4-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-MP | | | | | | | Weight: 25 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals.
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) 4=147/Mechanical, 2=245/0-4-9 (min. 0-1-8)
Max Horz 2=47(LC 11)
Max Uplift2=-27(LC 12)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -1-2-14 to 3-0-1, Exterior(2) 3-0-1 to 3-11-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V01 | GABLE | 1 | 1 | Job Reference (optional) |



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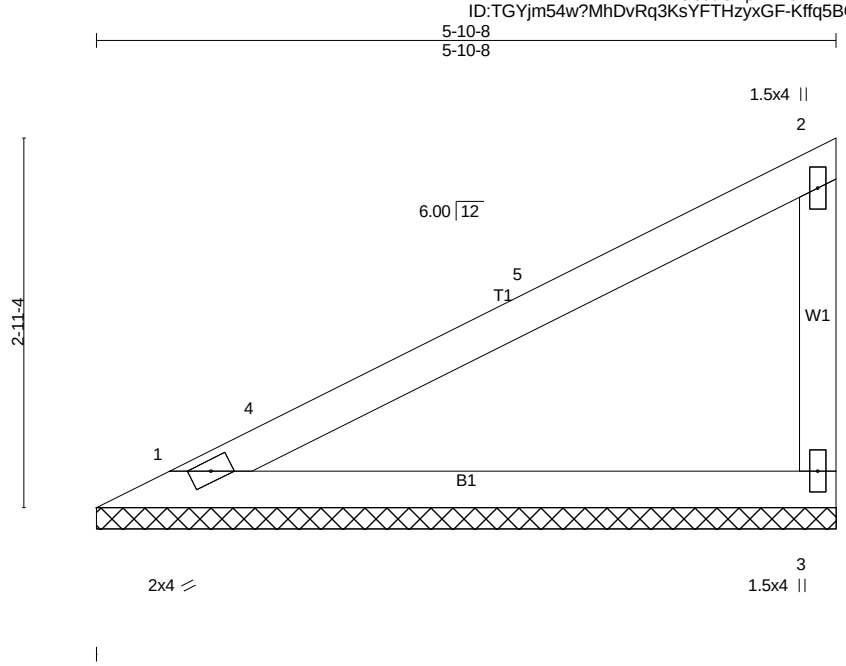


Scale = 1:18.3

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.52 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.33 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 21 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
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) 1=204/5-10-8 (min. 0-1-8), 3=204/5-10-8 (min. 0-1-8)
Max Horz 1=70(LC 9)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 5-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V02 | Valley | 1 | 1 | Job Reference (optional) |



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4-6-8
4-6-8

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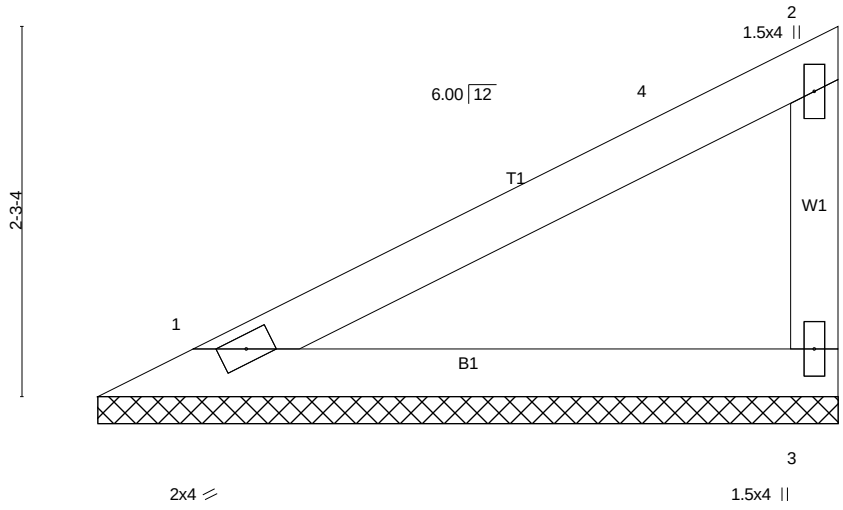


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.27 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.17 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 16 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
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) 1=151/4-6-8 (min. 0-1-8), 3=151/4-6-8 (min. 0-1-8)
Max Horz 1=52(LC 9)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 4-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V03 | Valley | 1 | 1 | Job Reference (optional) |



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3-2-8
3-2-8

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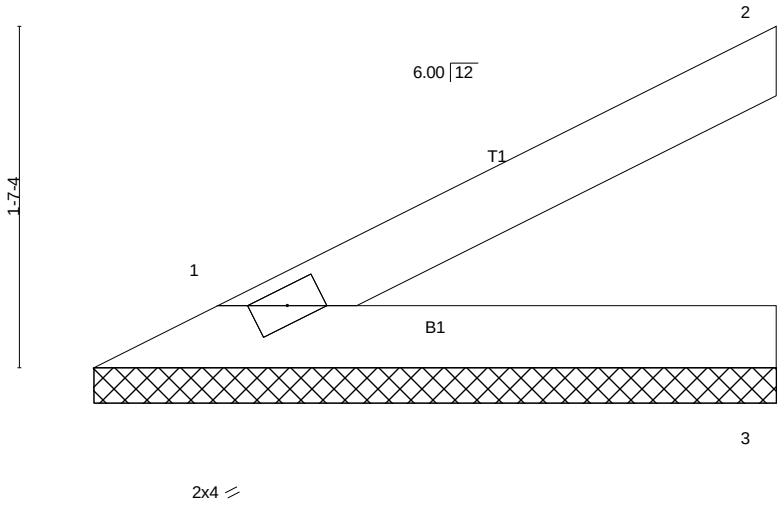


| **LOADING** (psf) | | **SPACING-** 2-0-0 | **CSI.** | **DEFL.** in (loc) l/defl L/d | **PLATES** **GRIP** |
|---|---|---|---|---|---|
| TCLL 20.0 | | Plate Grip DOL 1.15 | TC 0.12 | Vert(LL) n/a - n/a 999 | MT20 244/190 |
| TCDL 10.0 | | Lumber DOL 1.15 | BC 0.07 | Vert(CT) n/a - n/a 999 | |
| BCLL 0.0 | * | Rep Stress Incr YES | WB 0.00 | Horz(CT) -0.00 2 n/a n/a | |
| BCDL 10.0 | | Code IRC2015/TPI2014 | Matrix-P | | Weight: 9 lb FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-2-8 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) 1=104/3-2-8 (min. 0-1-8), 2=78/3-2-8 (min. 0-1-8), 3=26/3-2-8 (min. 0-1-8)
Max Horz 1=29(LC 12)
Max Uplift2=-21(LC 12)
Max Grav 1=104(LC 1), 2=78(LC 1), 3=52(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V04 | Valley | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:56 2021 Page 1

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2-10-13
2-10-13

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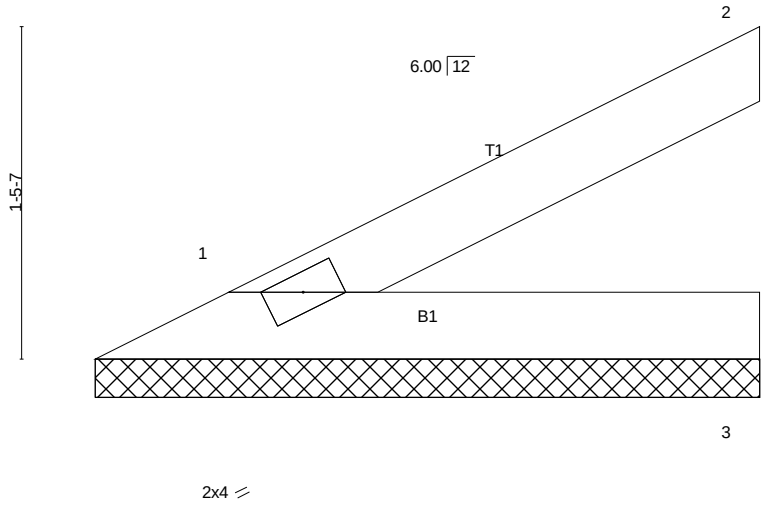


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.09 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.06 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 8 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-10-13 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) 1=91/2-10-13 (min. 0-1-8), 2=69/2-10-13 (min. 0-1-8), 3=23/2-10-13 (min. 0-1-8)
Max Horz 1=26(LC 12)
Max Uplift2=-19(LC 12)
Max Grav 1=91(LC 1), 2=69(LC 1), 3=46(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V05 | Valley | 1 | 1 | Job Reference (optional) |



ID:TGYjm54w?MhDvRq3KsYFTHzyxGF-8p15MFLB7R3DKtVwh_IZrNL0_3oSkYKBly5SerzQCCi

4-2-13
4-2-13

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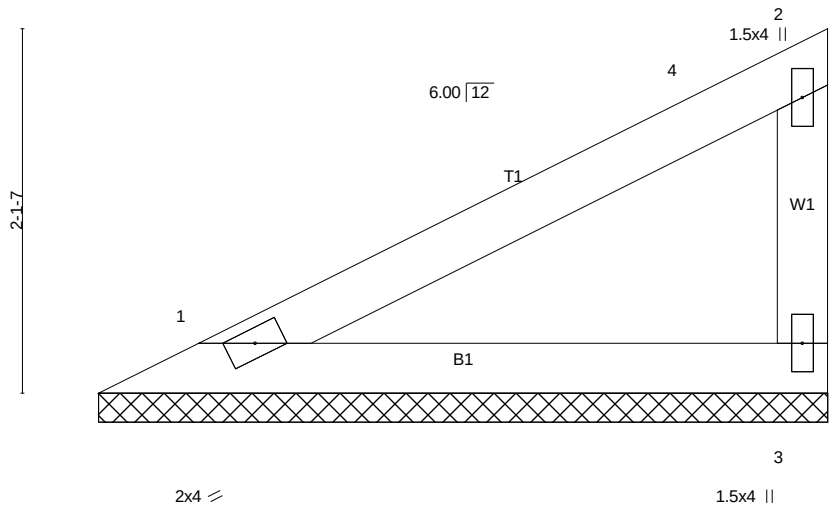


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.22 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.14 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 15 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins, except end verticals.
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) 1=139/4-2-13 (min. 0-1-8), 3=139/4-2-13 (min. 0-1-8)
Max Horz 1=47(LC 9)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 4-1-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V06 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:14:58 2021 Page 1

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5-6-13

5-6-13

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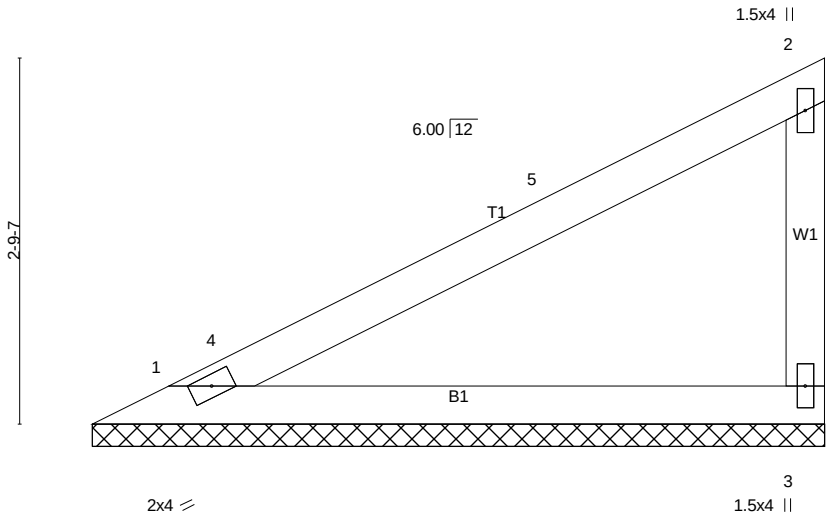


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.45 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.29 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 20 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-6-13 oc purlins, except end verticals.
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) 1=192/5-6-13 (min. 0-1-8), 3=192/5-6-13 (min. 0-1-8)
Max Horz 1=66(LC 9)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 5-5-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V07 | Valley | 1 | 1 | Job Reference (optional) |



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3-1-8
3-1-8

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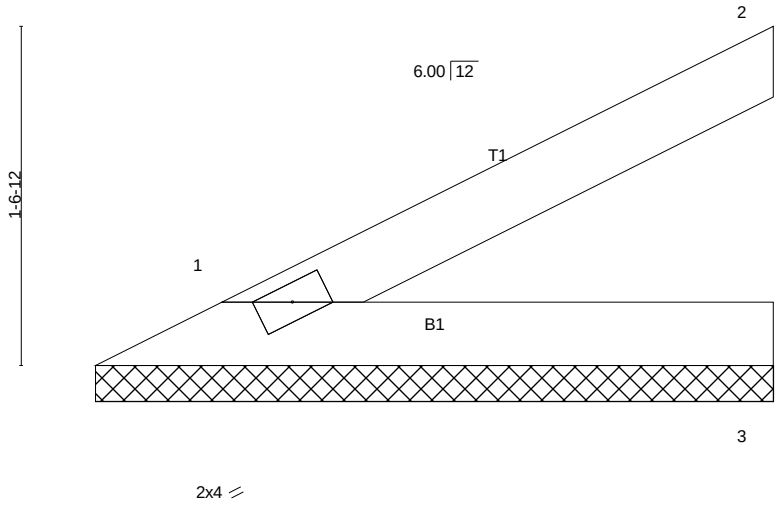


| **LOADING** (psf) | | **SPACING-** 2-0-0 | **CSI.** | | **DEFL.** in (loc) l/defl L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|
| TCLL 20.0 | | Plate Grip DOL 1.15 | TC 0.11 | | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | | Lumber DOL 1.15 | BC 0.07 | | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 | * | Rep Stress Incr YES | WB 0.00 | | Horz(CT) -0.00 2 n/a n/a | | |
| BCDL 10.0 | | Code IRC2015/TPI2014 | Matrix-P | | | Weight: 9 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-1-8 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) 1=100/3-1-8 (min. 0-1-8), 2=75/3-1-8 (min. 0-1-8), 3=25/3-1-8 (min. 0-1-8)
Max Horz 1=28(LC 12)
Max Uplift2=-20(LC 12)
Max Grav 1=100(LC 1), 2=75(LC 1), 3=50(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V08 | Valley | 1 | 1 | Job Reference (optional) |



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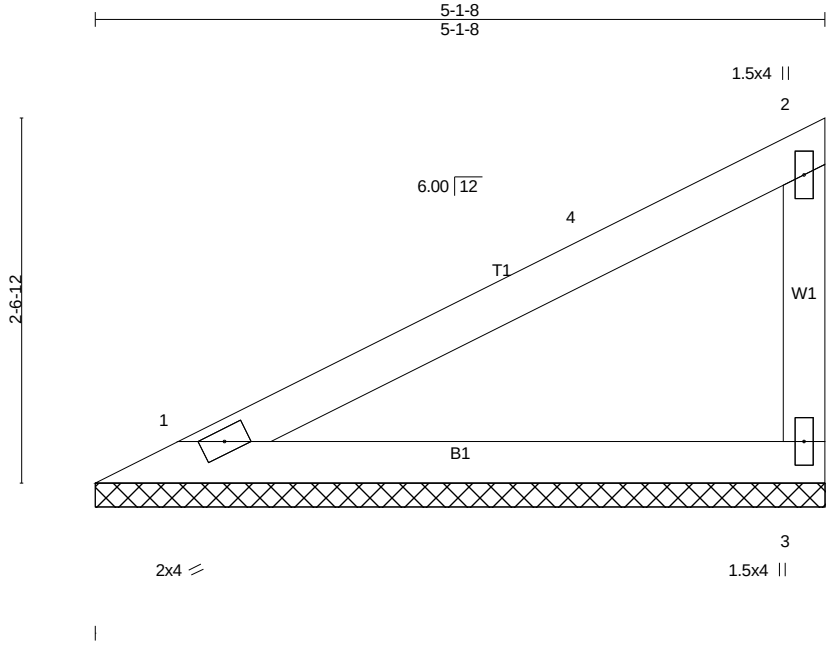


Scale = 1:16.2

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.37 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.23 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 18 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-1-8 oc purlins, except end verticals.
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) 1=174/5-1-8 (min. 0-1-8), 3=174/5-1-8 (min. 0-1-8)
Max Horz 1=60(LC 11)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 4-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V09 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:02 2021 Page 1

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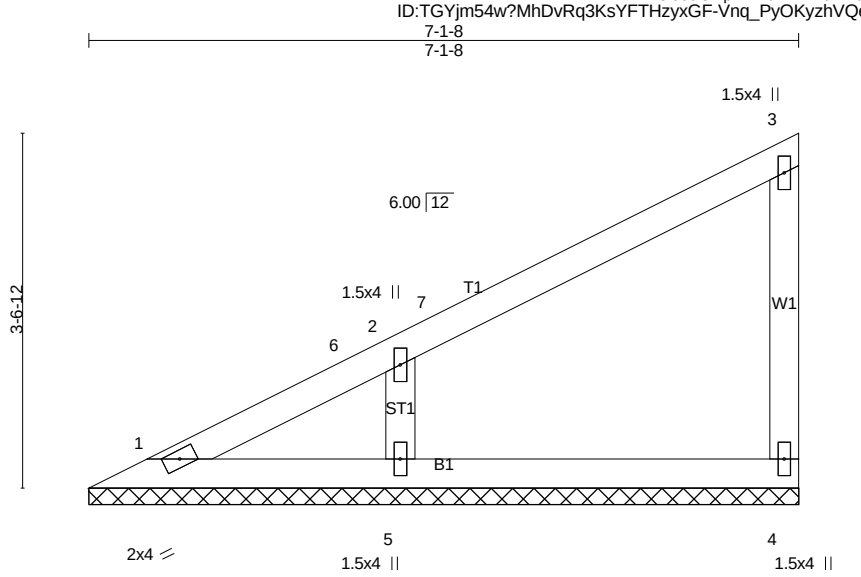


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 27 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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) 1=55/7-1-8 (min. 0-1-8), 4=125/7-1-8 (min. 0-1-8), 5=330/7-1-8 (min. 0-1-8)
Max Horz 1=87(LC 9)
Max Uplift4=-3(LC 9), 5=-17(LC 12)
Max Grav 1=64(LC 18), 4=125(LC 1), 5=330(LC 1)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 6-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V11 | GABLE | 1 | 1 | Job Reference (optional) |



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11-1-8
11-1-8

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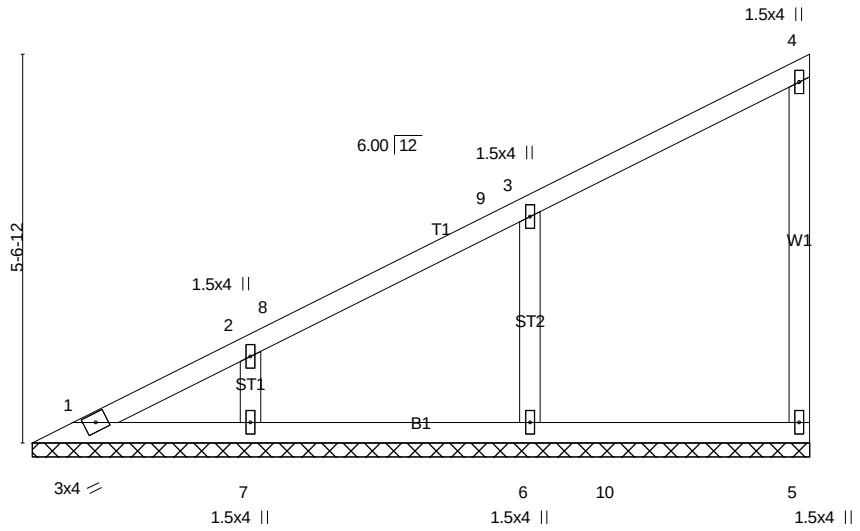


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.24 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.15 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | -0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 47 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.** All bearings 11-1-8.
(lb) - Max Horz 1=142(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=367(LC 17), 7=283(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-264/136

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 10-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 6, and 7. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V12 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:07 2021 Page 1

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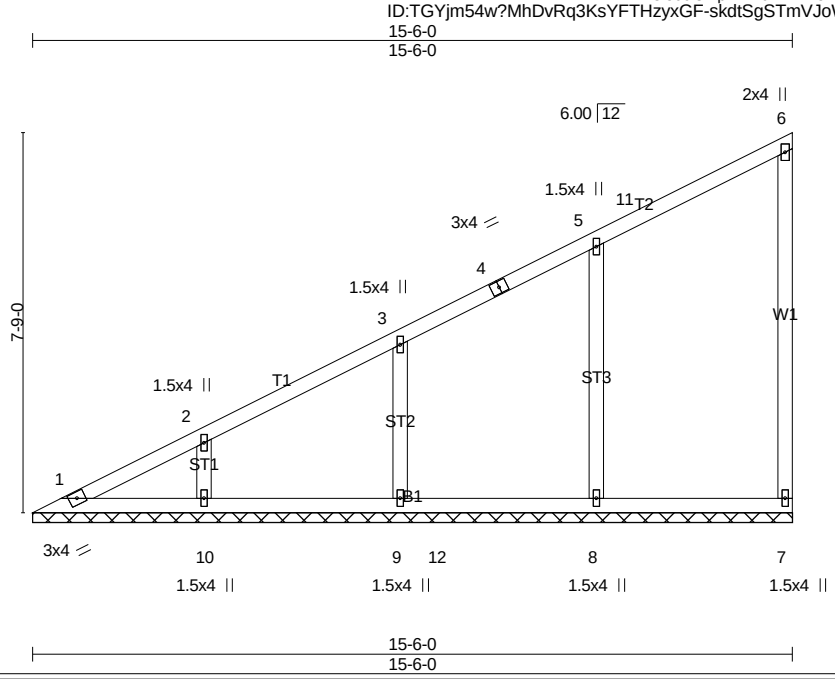


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.48 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.20 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.15 | Horz(CT) | -0.00 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 73 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.** All bearings 15-6-0.
(lb) - Max Horz 1=201(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 7, 8, 9, 10
Max Grav All reactions 250 lb or less at joint(s) 7, 1 except 8=458(LC 17), 9=334(LC 17), 10=307(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-271/182
WEBS 5-8=-258/112

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-6-0, Interior(1) 3-6-0 to 15-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7, 8, 9, and 10. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V13 | GABLE | 1 | 1 | Job Reference (optional) |



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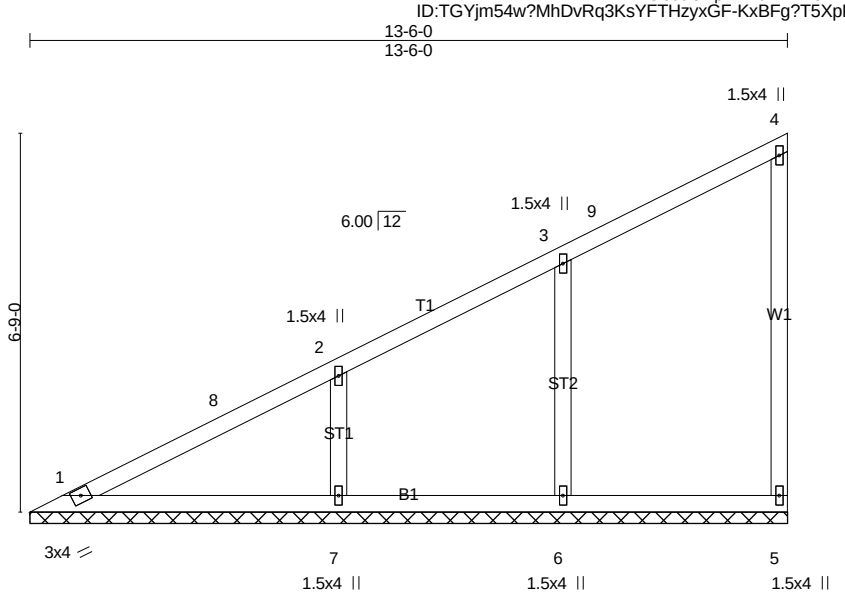


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.36 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.10 | Horz(CT) | -0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 60 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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.** All bearings 13-6-0.
(lb) - Max Horz 1=174(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=364(LC 17), 7=412(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-299/111

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 13-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 6, and 7. 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V14 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:10 2021 Page 1

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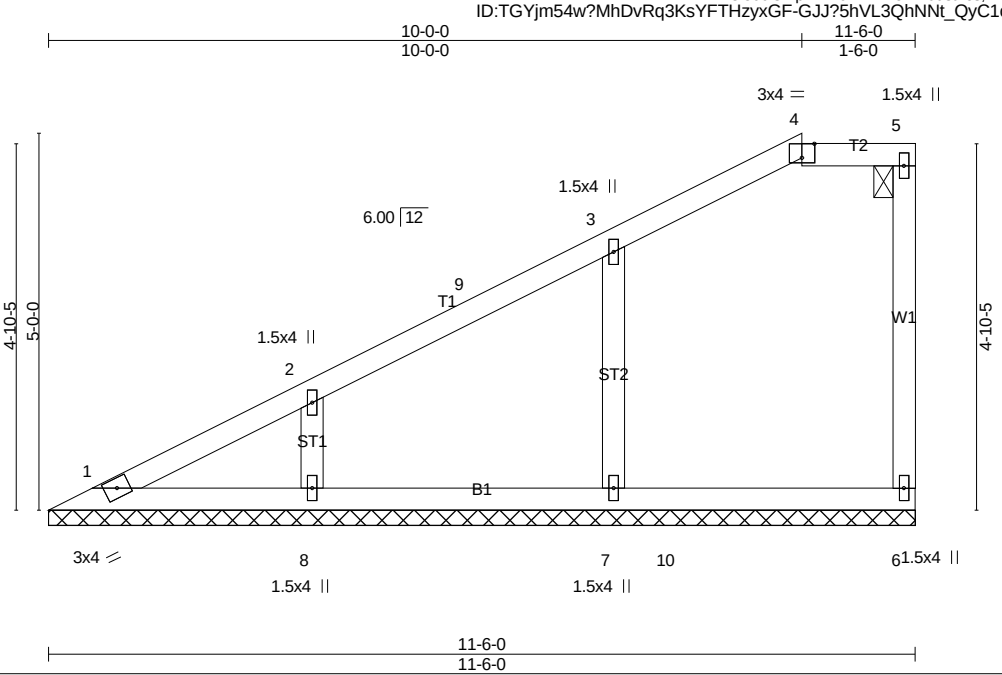


Plate Offsets (X,Y)-- [4:0-2-0,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.21 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.16 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | -0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 48 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
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.** All bearings 11-6-0.
(lb) - Max Horz 1=125(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=369(LC 17), 8=299(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-258/154

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-6-0, Interior(1) 3-6-0 to 10-0-0, Exterior(2) 10-0-0 to 11-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
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) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6, 7, and 8. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V15 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:11 2021 Page 1

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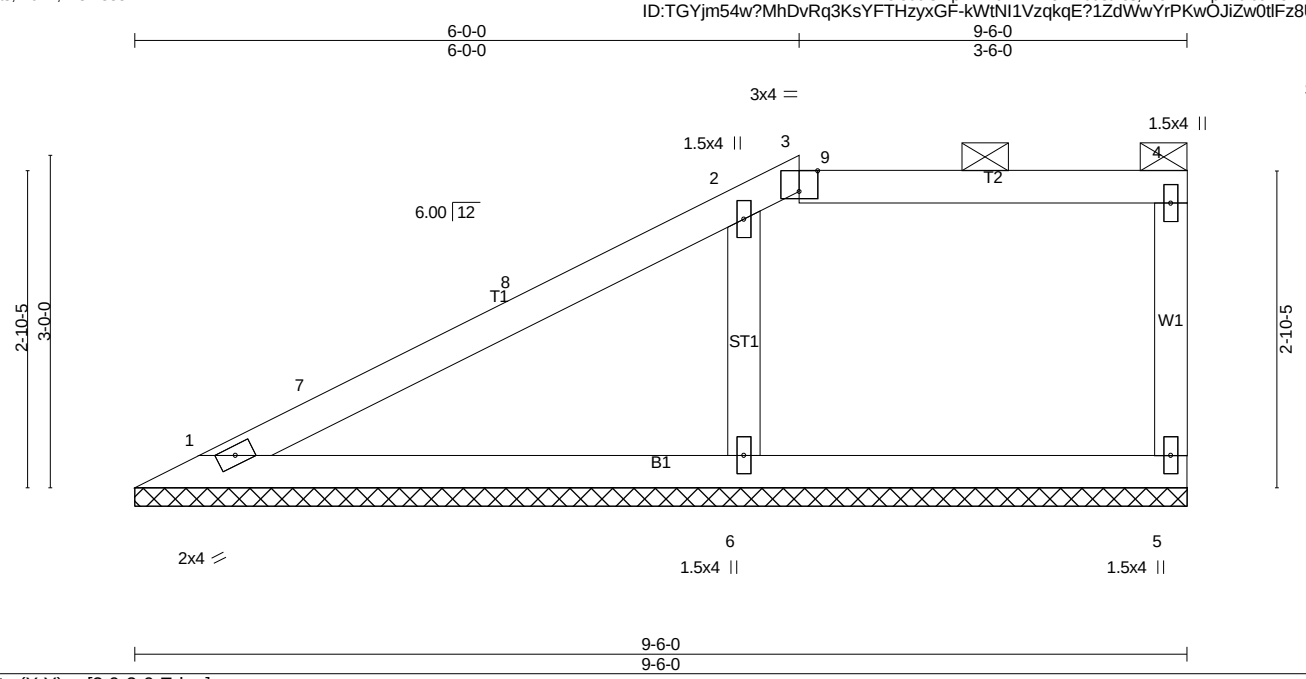


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.30 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.19 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.07 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | Weight: 35 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
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) 1=163/9-6-0 (min. 0-1-8), 5=113/9-6-0 (min. 0-1-8), 6=424/9-6-0 (min. 0-1-8)
Max Horz 1=71(LC 11)
Max Uplift5=-15(LC 8)
Max Grav 1=163(LC 1), 5=132(LC 22), 6=424(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-306/177

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 6-0-0, Exterior(2) 6-0-0 to 9-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
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.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V16 | Valley | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:13 2021 Page 1

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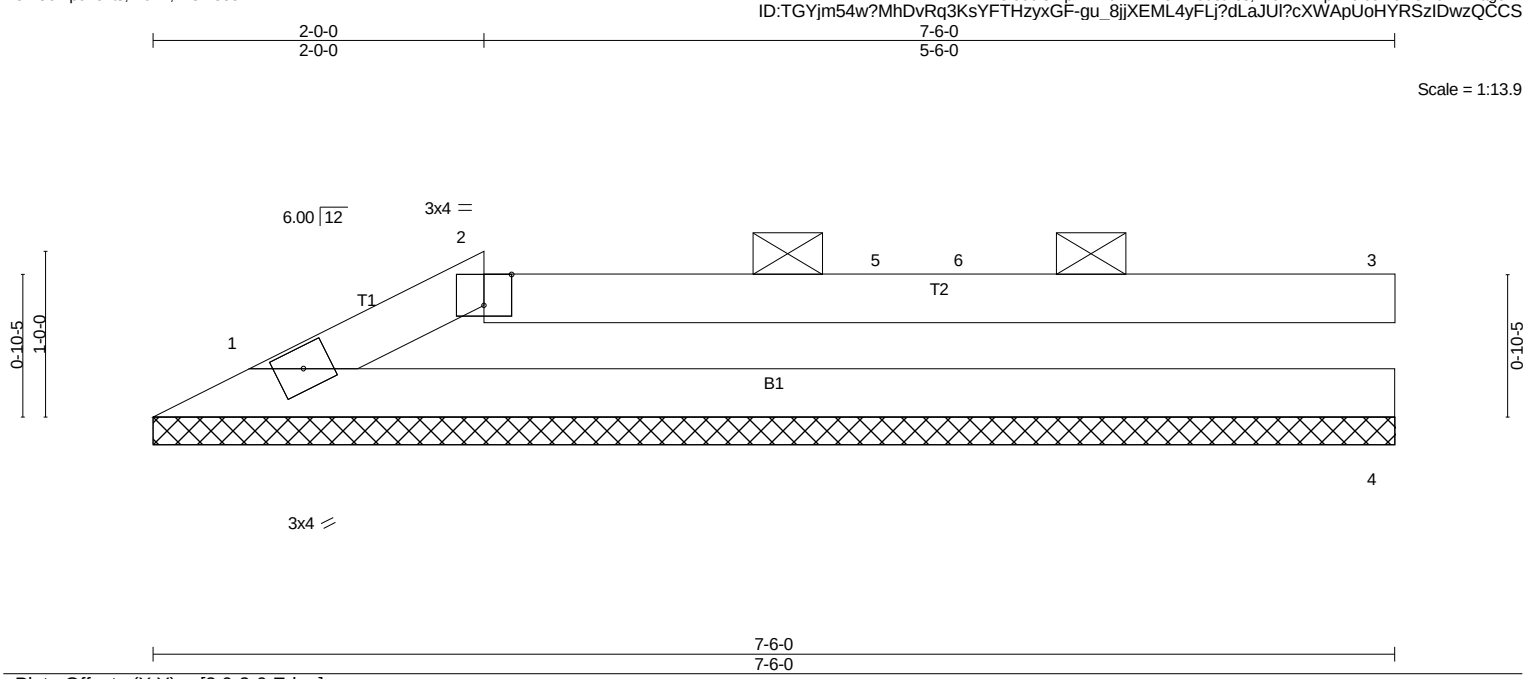


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

| **LOADING** (psf) | | **SPACING-** | 2-0-0 | **CSI.** | | **DEFL.** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.83 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.55 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.08 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 22 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 2-3.
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) 1=275/7-6-0 (min. 0-1-8), 3=189/7-6-0 (min. 0-1-8), 4=86/7-6-0 (min. 0-1-8)
Max Horz 1=13(LC 12)
Max Uplift1=-2(LC 9), 3=-47(LC 9)
Max Grav 1=275(LC 1), 3=189(LC 1), 4=129(LC 3)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 5-0-0, Interior(1) 5-0-0 to 7-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
8) One MTS12 Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 4. This connection is for uplift only and does not consider lateral forces.
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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V17 | Valley | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334

8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:14 2021 Page 1

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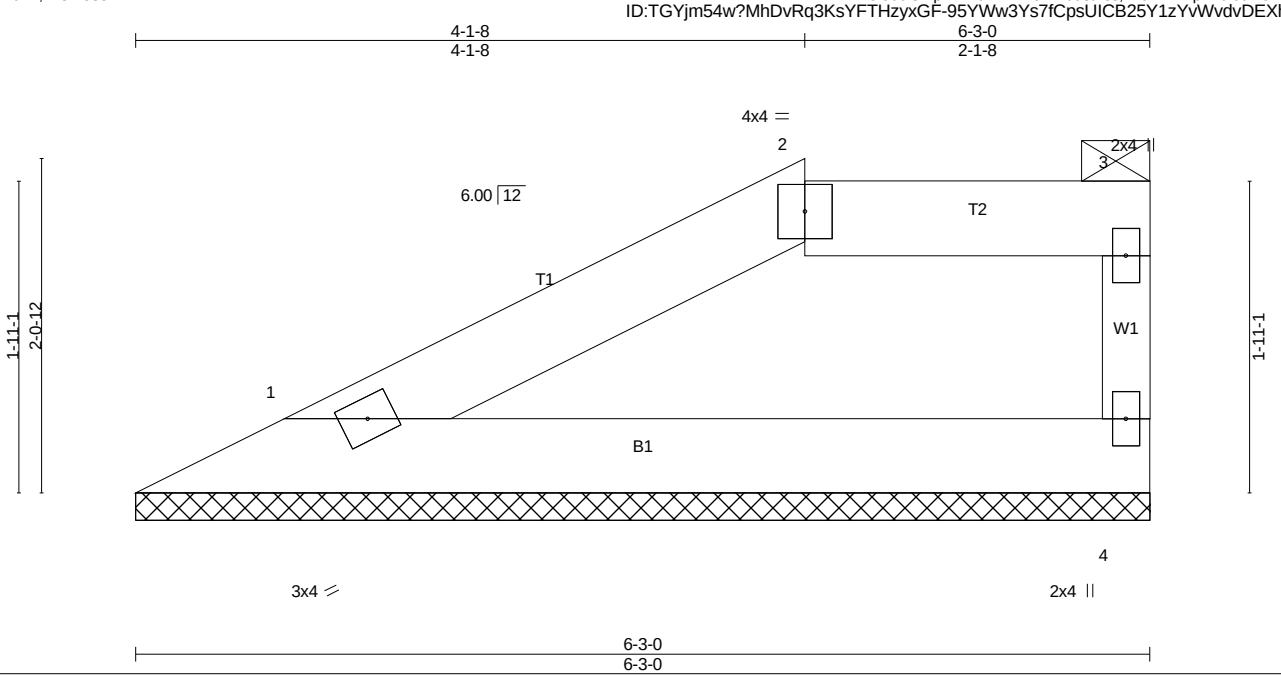


| **LOADING** (psf) | | **SPACING-** 2-0-0 | **CSI.** | **DEFL.** in (loc) l/defl L/d | **PLATES** | **GRIP** |
|---|---|---|---|---|---|---|
| TCLL 20.0 | | Plate Grip DOL 1.15 | TC 0.30 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | | Lumber DOL 1.15 | BC 0.11 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 | * | Rep Stress Incr YES | WB 0.00 | Horz(CT) 0.00 4 n/a n/a | | |
| BCDL 10.0 | | Code IRC2015/TPI2014 | Matrix-R | | Weight: 29 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
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) 1=205/6-3-0 (min. 0-1-8), 4=205/6-3-0 (min. 0-1-8)
Max Horz 1=40(LC 11)
Max Uplift4=-6(LC 9)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
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.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

| Job | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V18 | Valley | 1 | 1 | Job Reference (optional) |



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2-9-0
2-9-0

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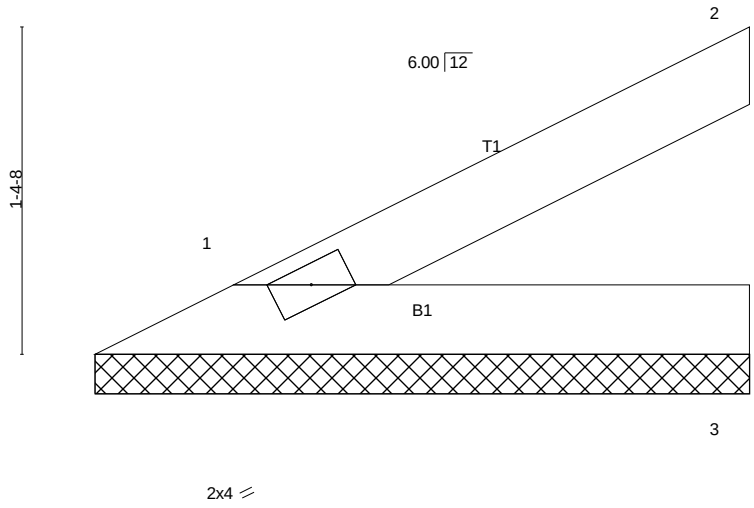


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.08 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.05 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 8 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-9-0 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) 1=85/2-9-0 (min. 0-1-8), 2=64/2-9-0 (min. 0-1-8), 3=21/2-9-0 (min. 0-1-8)
Max Horz 1=24(LC 12)
Max Uplift2=-17(LC 12)
Max Grav 1=85(LC 1), 2=64(LC 1), 3=43(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) 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 | Truss | Truss Type | Qty | Ply | BOBBITT 106-21-114 |
|---|---|---|---|---|---|
| 2100443-2100443A | V19 | GABLE | 1 | 1 | Job Reference (optional) |

84 Components, Dunn, NC 28334 — 8.500 s Apr 2 2021 MiTek Industries, Inc. Fri Apr 16 09:15:17 2021 Page 1

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4-9-0

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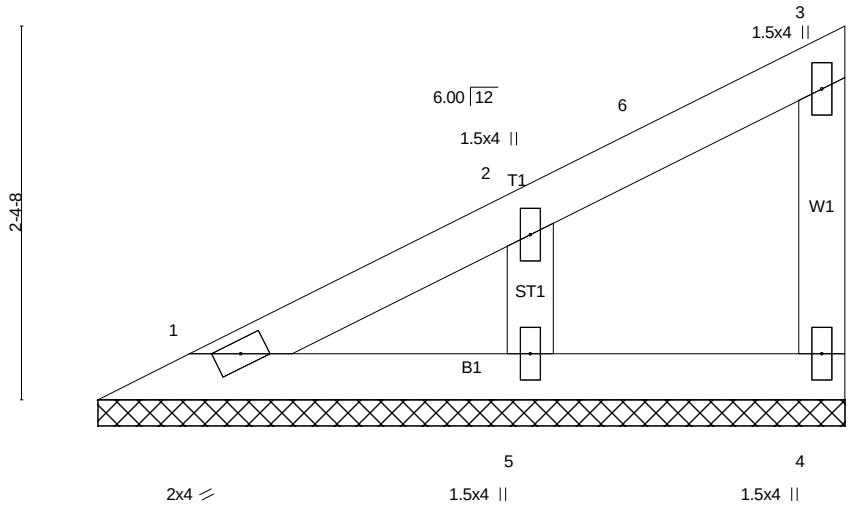


| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.04 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | Weight: 18 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins, except end verticals.
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) 1=67/4-9-0 (min. 0-1-8), 4=53/4-9-0 (min. 0-1-8), 5=199/4-9-0 (min. 0-1-8)
Max Horz 1=54(LC 9)
Max Uplift4=-3(LC 9), 5=-10(LC 12)

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

**NOTES-**
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-7-7 to 3-7-7, Interior(1) 3-7-7 to 4-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. 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