

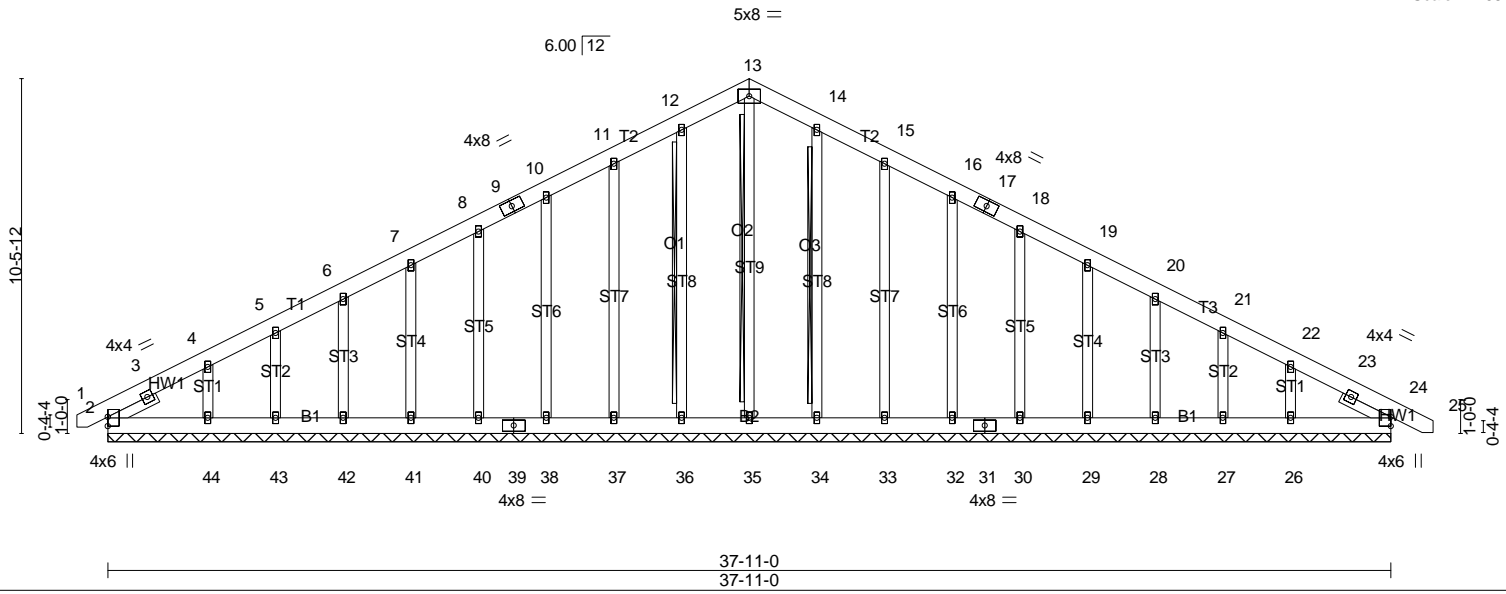
| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | A01GE | GABLE | 2 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:20 2023 Page 1
 ID:JQb1gK2ne3CQdqy3dwnCxyStrD-_YuLyj6g0V?v1mev53qcgxrqlcECwHtqAzcXlXyB32f

0-11-0 18-11-8 37-11-0 39-2-0
 0-11-0 18-11-8 18-11-8 1-3-0

Scale = 1:68.1



| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|-----|---------------|-------------------------|
| 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 0.06 | Vert(LL) | 0.00 | 24 | n/r | 120 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.03 | Vert(CT) | 0.00 | 24 | n/r | 120 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.13 | Horz(CT) | 0.01 | 24 | n/a | n/a | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | Weight: 334 lb FT = 20% |

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 - 1-7-0, Right 2x4 SP No.2 -p 1-7-0

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.
 WEBS T-Brace: 2x4 SPF No.2 - 13-35, 12-36, 14-34
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.
 Brace must cover 90% of web length.

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

REACTIONS. All bearings 37-11-0.
 (lb) - Max Horz 2=-206(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 36, 37, 38, 40, 41, 42, 43, 34, 33, 32, 30, 29, 28, 27, 24 except 44=-165(LC 12), 26=-141(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 2, 35, 36, 37, 38, 40, 41, 42, 43, 44, 34, 33, 32, 30, 29, 28, 27, 24, 26

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-257/79, 10-46=-107/292, 11-46=-91/302, 11-12=-129/365, 12-13=-143/401, 13-14=-143/400, 14-15=-129/364, 15-47=-91/301, 16-47=-107/291
 WEBS 4-44=-159/262

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-9-2 to 3-7-11, Exterior(2) 3-7-11 to 18-11-8, Corner(3) 18-11-8 to 23-4-5, Exterior(2) 23-4-5 to 39-0-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 36, 37, 38, 40, 41, 42, 43, 34, 33, 32, 30, 29, 28, 27, 24 except (jt=lb) 44=165, 26=141.
 - 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.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

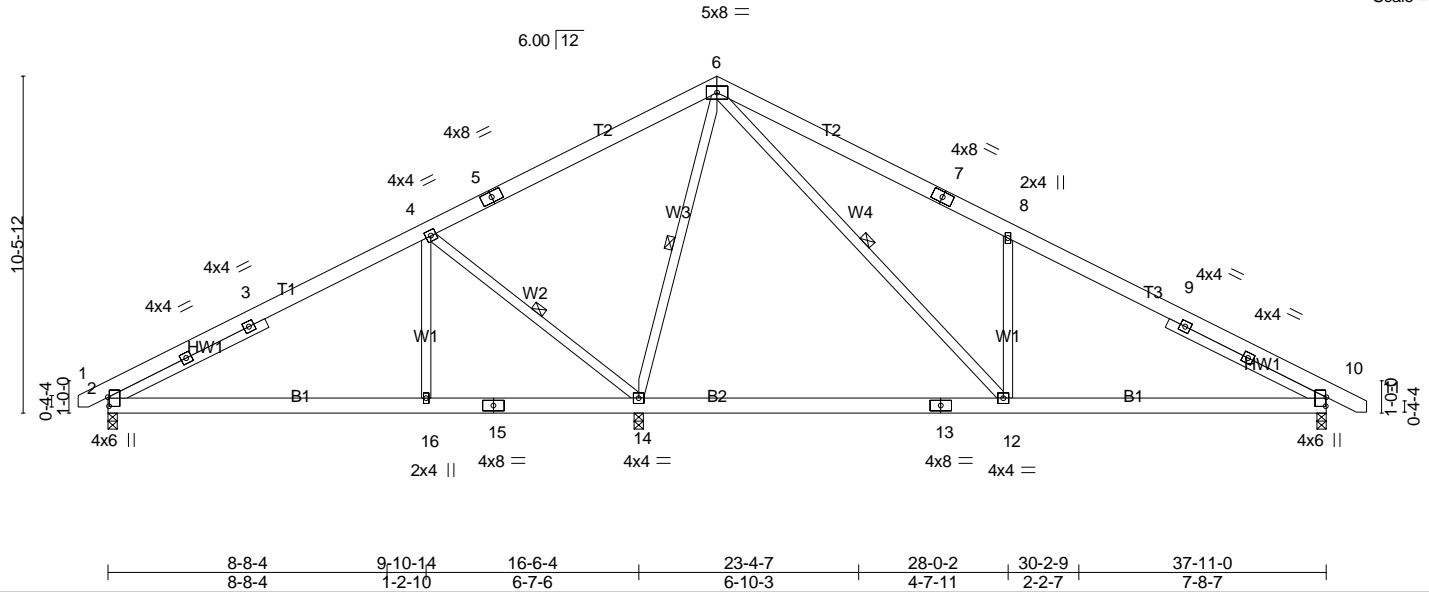
| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | A02 | COMMON | 6 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:21 2023 Page 1
 ID: JQb1gK2ne3CQdqy3dwnCxyStrD-SkSj936Inp7mfwD5fnLrC3UwS2TSfer_PdL5HzB32e

| | | | | | |
|--------|---------|---------|--------|---------|--------|
| 0-11-0 | 9-10-14 | 18-11-8 | 28-0-2 | 37-11-0 | 39-2-0 |
| 0-11-0 | 9-10-14 | 9-0-10 | 9-0-10 | 9-10-14 | 1-3-0 |

Scale = 1:71.7



| | | | | | |
|-----------------------|-----------------------------------|-------------|----------------------------------|----------------|-------------|
| Plate Offsets (X,Y)-- | [2:0-3-6,0-0-8], [10:0-3-6,0-0-4] | | | | |
| 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 0.38 | Vert(LL) -0.23 12-14 >999 360 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.48 | Vert(CT) -0.32 12-14 >808 240 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.47 | Horz(CT) 0.02 10 n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-S | Wind(LL) 0.03 10-12 >999 240 | | |
| | | | | Weight: 271 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 5-5-10, Right 2x4 SP No.2 -p 5-5-10

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, Except:
 6-0-0 oc bracing: 12-14.
 WEBS 1 Row at midpt 4-14, 6-14, 6-12

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

REACTIONS. (lb/size) 2=672/0-3-8 (min. 0-1-8), 14=1576/0-3-8 (min. 0-2-3), 10=896/0-3-8 (min. 0-1-8)
 Max Horz2=-134(LC 8)
 Max Uplift2=-104(LC 12), 10=-134(LC 13)
 Max Grav2=675(LC 23), 14=1850(LC 2), 10=896(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-720/279, 3-17=-637/279, 3-4=-605/316, 4-5=-65/251, 5-18=-23/271, 6-18=-19/317,
 6-19=-1118/543, 7-19=-1125/519, 7-8=-1229/499, 8-9=-1106/335, 9-20=-1153/299,
 10-20=-1214/296
 BOT CHORD 2-21=-158/546, 16-21=-158/546, 15-16=-158/546, 14-15=-158/546, 12-24=-163/982,
 10-24=-163/982
 WEBS 4-16=0/335, 4-14=-797/280, 6-14=-984/132, 6-12=-320/1357, 8-12=-603/374

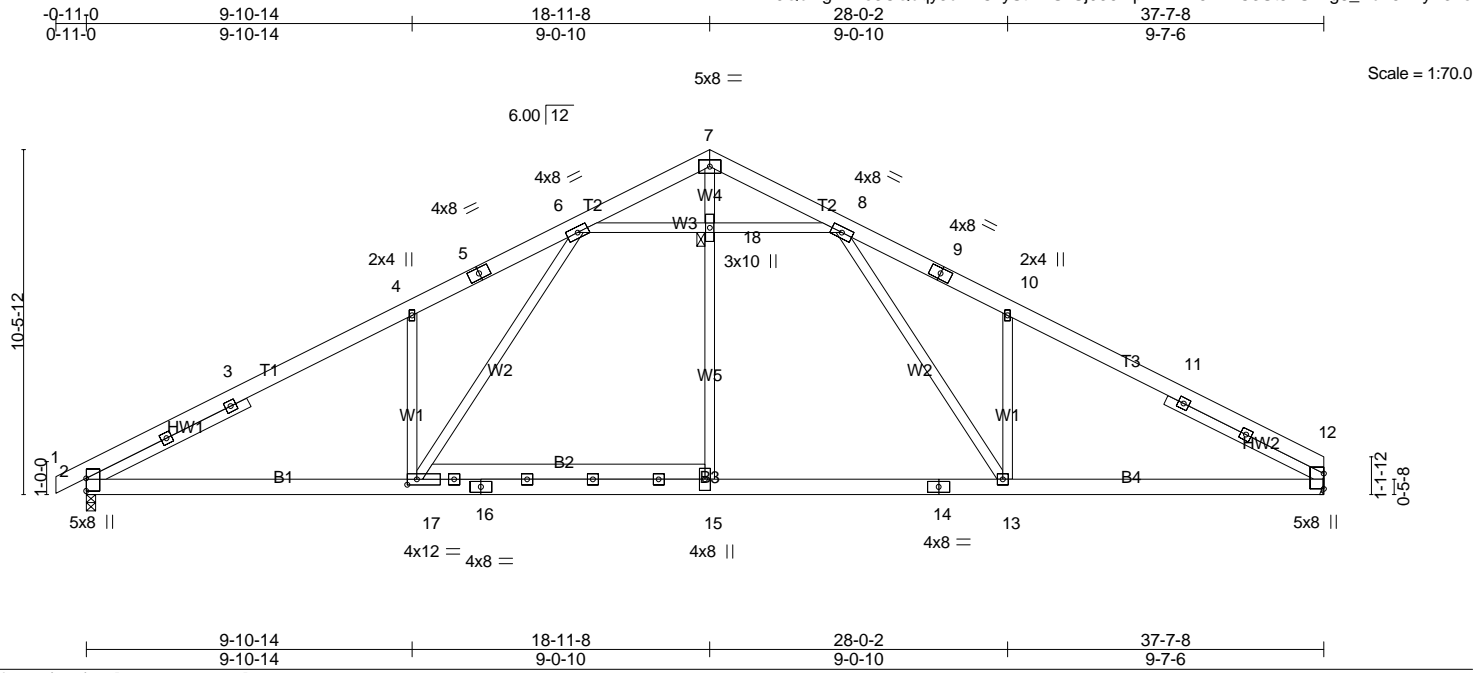
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-9-2 to 3-7-11, Interior(1) 3-7-11 to 18-11-8, Exterior(2) 18-11-8 to 23-4-5, Interior(1) 23-4-5 to 39-0-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=104, 10=134.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | A03 | Common | 4 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:21 2023 Page 1
 ID: JQb1gK2ne3CQdqy3dwnCxyStrD-SkSj936Inp7mfwD5fnLrC3Ut52SMfg8_PdL5HzYB32e



| | | | | |
|--|--------------------|-------------------|------------------|-----------------|
| Plate Offsets (X,Y)-- [17:0-3-8,0-2-0] | 9-10-14 9-10-14 | 18-11-8 9-0-10 | 28-0-2 9-0-10 | 37-7-8 9-7-6 |
|--|--------------------|-------------------|------------------|-----------------|

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------------|----------|--------|-----|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.53 | Vert(LL) -0.27 | 2-17 | >999 | 360 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.55 | Vert(CT) -0.39 | 2-17 | >999 | 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.32 | Horz(CT) 0.08 | 12 | n/a | n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Wind(LL) 0.14 | 2-17 | >999 | 240 | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 293 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 5-5-10, Right 2x4 SP No.2 -p 5-4-7

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-3-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 18

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

REACTIONS. (lb/size) 2=1561/0-3-8 (min. 0-2-1), 12=1504/Mechanical
 Max Horz 2=-132(LC 8)
 Max Uplift 2=-103(LC 12), 12=-88(LC 13)
 Max Grav 2=1770(LC 2), 12=1737(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-19=-3064/486, 3-19=-2999/488, 3-4=-2910/523, 4-5=-2950/625, 5-6=-2883/648,
 6-7=-876/88, 7-8=-911/91, 8-9=-2725/673, 9-10=-2783/649, 10-11=-2846/517,
 11-12=-2946/479
 BOT CHORD 2-20=-305/2647, 20-21=-303/2651, 17-21=-302/2651, 16-17=-182/2137, 16-22=-181/2141,
 15-22=-183/2138, 15-23=-182/2137, 14-23=-182/2137, 13-14=-182/2137, 13-24=-286/2475,
 12-24=-286/2475
 WEBS 15-18=0/660, 8-13=-214/778, 10-13=-473/312, 4-17=-562/301, 6-18=-1391/477,
 8-18=-1391/477, 6-17=-195/973, 7-18=0/688

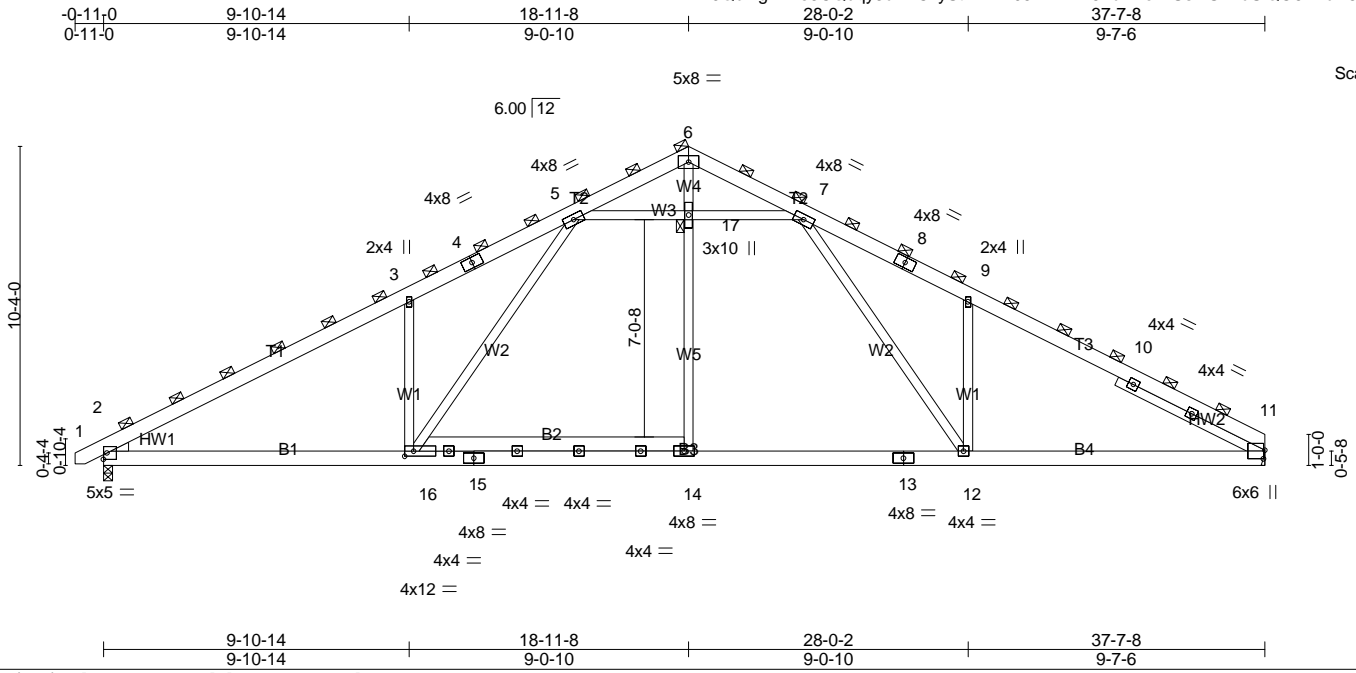
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 18-11-8, Exterior(2) 18-11-8 to 23-0-15, Interior(1) 23-0-15 to 37-7-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are 4x4 MT20 unless otherwise indicated.
 - 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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=103.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | A03A | COMMON | 2 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:22 2023 Page 1
 ID: JQb1igK2ne3CQdqy3dwnCxyStrD-ww05NP7wY6FdH4oIDUs4IG1?dSIQO6E7dH5eqPyB32d



Scale = 1:74.6

Plate Offsets (X,Y)-- [11:0-3-6,0-0-9], [16:0-3-8,0-2-0]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------------|----------|--------|-----|----------------|----------|
| TCLL 20.0 | 2-3-0 | TC 0.74 | Vert(LL) -0.29 | 2-16 | >999 | 360 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.69 | Vert(CT) -0.42 | 2-16 | >999 | 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.40 | Horz(CT) 0.09 | 11 | n/a | n/a | | |
| BCDL 10.0 | Rep Stress Incr NO | Matrix-S | Wind(LL) 0.16 | 2-16 | >999 | 240 | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 285 lb | FT = 20% |

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 WEDGE
 Left: 2x4 SP No.2
 SLIDER Right 2x4 SP No.2 -p 5-3-11

BRACING-

TOP CHORD 2-0-0 oc purlins (3-4-9 max.)
 (Switched from sheeted: Spacing > 2-0-0).
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 6, 17

REACTIONS. (lb/size) 2=1748/0-3-8 (min. 0-2-5), 11=1686/Mechanical

Max Horz 2=144(LC 9)
 Max Uplift 2=-115(LC 12), 11=-100(LC 13)
 Max Grav 2=1964(LC 2), 11=1924(LC 2)

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

TOP CHORD 2-18=-3543/567, 3-18=-3426/608, 3-4=-3429/731, 4-19=-3322/740, 5-19=-3312/760,
 5-6=-981/90, 6-7=-1018/93, 7-20=-3093/774, 8-20=-3116/755, 8-9=-3211/746,
 9-10=-3161/593, 10-11=-3337/553
 BOT CHORD 2-21=-369/3056, 21-22=-367/3062, 16-22=-366/3062, 15-16=-207/2376, 15-23=-206/2381,
 14-23=-209/2377, 14-24=-207/2376, 13-24=-207/2376, 12-13=-207/2376, 12-25=-343/2828,
 11-25=-343/2828
 WEBS 14-17=0/735, 7-12=-253/958, 9-12=-580/348, 3-16=-677/336, 5-17=-1535/546,
 7-17=-1535/546, 5-16=-249/1217, 6-17=0/768

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-2 to 3-7-11, Interior(1) 3-7-11 to 18-11-8, Exterior(2) 18-11-8 to 23-4-5, Interior(1) 23-4-5 to 37-7-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=115.
- 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.
- 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 | Lot 38 Woodbridge South |
| J1123-6813 | A04 | COMMON | 5 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:22 2023 Page 1
 ID:JQb1igK2ne3CQdqy3dwnCxyStrD-ww05NP7wY6FdH4oIDUs4IG13oSnXO7C7dH5eqPyB32d

| | | | | | |
|--------|---------|---------|--------|---------|--------|
| 0-11-0 | 9-10-14 | 18-11-8 | 28-0-2 | 37-11-0 | 39-2-0 |
| 0-11-0 | 9-10-14 | 9-0-10 | 9-0-10 | 9-10-14 | 1-3-0 |

Scale = 1:71.7

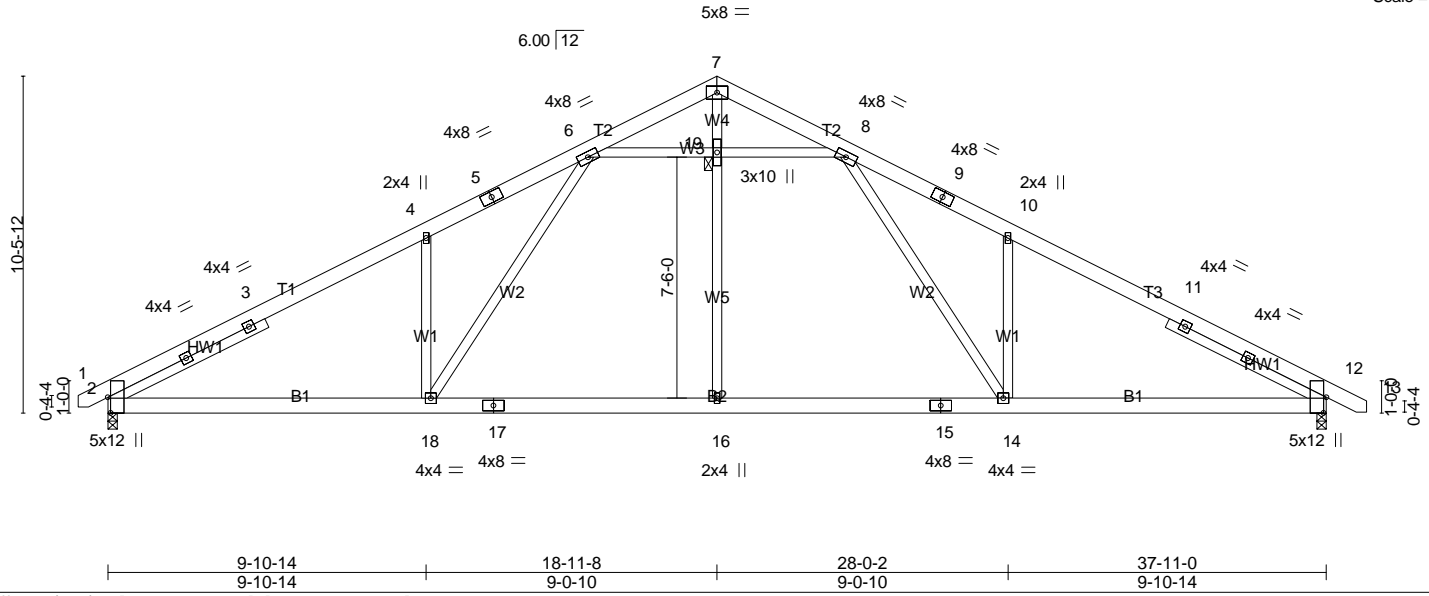


Plate Offsets (X,Y)-- [2:0-5-14,Edge], [12:0-5-14,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.47 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.55 | Vert(LL) -0.25 16-18 >999 360 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.33 | Vert(CT) -0.33 16-18 >999 240 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.08 12 n/a n/a | | |
| | Code IRC2015/TPI2014 | | Wind(LL) 0.12 18 >999 240 | | |
| | | | | Weight: 278 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 5-5-10, Right 2x4 SP No.2 -p 5-5-10

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 19

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

REACTIONS. (lb/size) 2=1562/0-3-8 (min. 0-2-2), 12=1583/0-3-8 (min. 0-2-2)
 Max Horz 2=-134(LC 8)
 Max Uplift 2=-101(LC 12), 12=-106(LC 13)
 Max Grav 2=1788(LC 2), 12=1806(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-20=-3029/476, 3-20=-2930/476, 3-4=-2872/512, 4-5=-2924/641, 5-6=-2872/665,
 6-7=-971/88, 7-8=-972/88, 8-9=-2869/655, 9-10=-2921/631, 10-11=-2869/505,
 11-21=-2966/471, 12-21=-3027/468
 BOT CHORD 2-22=-294/2614, 18-22=-294/2614, 17-18=-185/2165, 17-23=-185/2165, 16-23=-185/2165,
 16-24=-185/2165, 15-24=-185/2165, 14-15=-185/2165, 14-25=-292/2567, 12-25=-292/2567
 WEBS 8-14=-221/898, 10-14=-558/315, 4-18=-561/315, 6-18=-221/902, 16-19=0/722, 7-19=0/749,
 6-19=-1347/478, 8-19=-1347/478

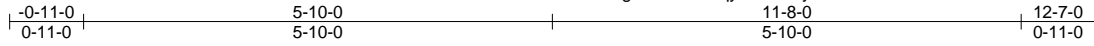
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-2 to 3-7-11, Interior(1) 3-7-11 to 18-11-8, Exterior(2) 18-11-8 to 23-0-15, Interior(1) 23-0-15 to 39-0-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=101, 12=106.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | B01GE | GABLE | 1 | 1 | |

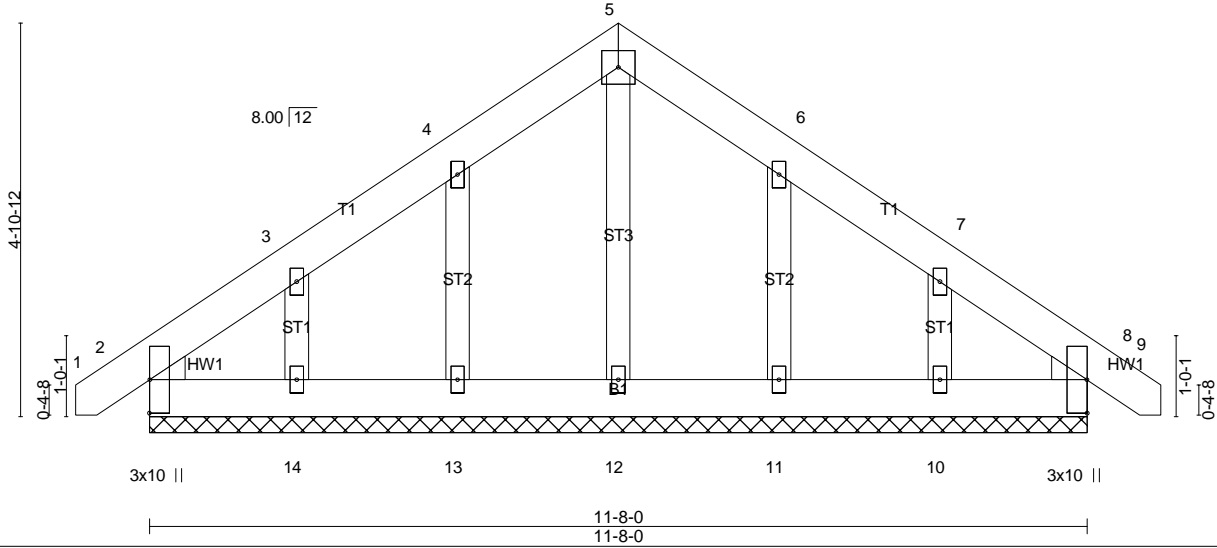
Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:23 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwmCxyStrD-O6aTal8YJQNUuDNuMcnJUZLdrFE7fGHsxqCMsyB32c



5x5 =

Scale = 1:28.7



| | | | | | |
|----------------------|----------------------|-------------|--------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.02 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.01 | Vert(LL) -0.00 8 n/r 120 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.03 | Vert(CT) -0.00 8 n/r 120 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 8 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 85 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.2
 WEDGE
 Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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 11-8-0.
 (lb) - Max Horz 2=-132(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11 except 14=-121(LC 12), 10=-117(LC 13)
 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.

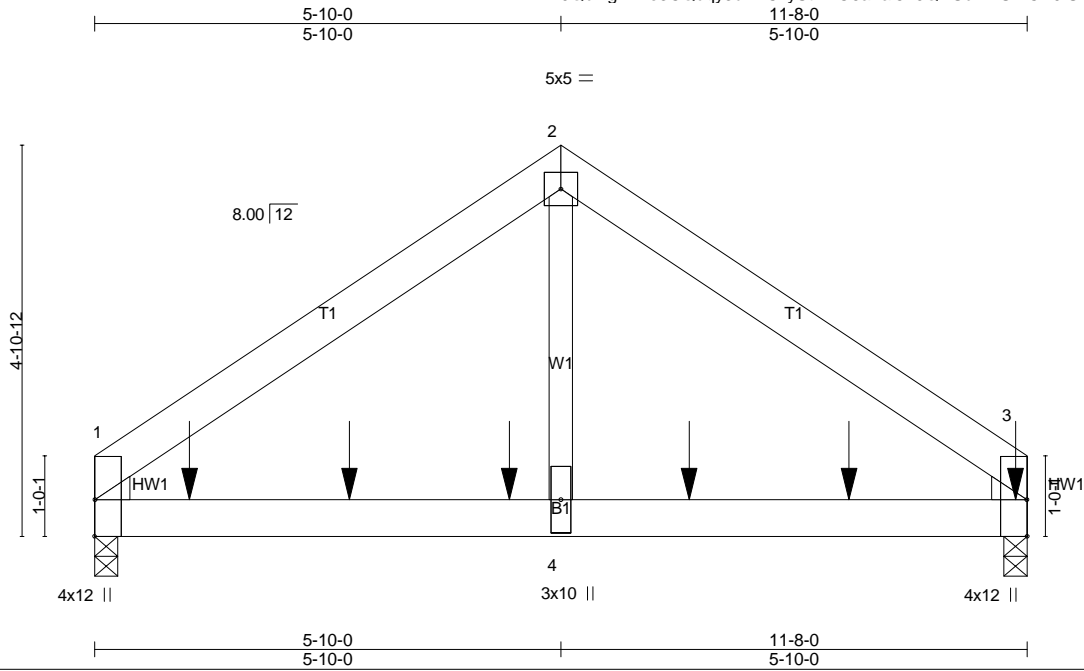
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-7 to 3-10-0, Exterior(2) 3-10-0 to 5-10-0, Corner(3) 5-10-0 to 10-2-13, Exterior(2) 10-2-13 to 12-5-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 11 except (jt=lb) 14=121, 10=117.
 - 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 J1123-6813 | Truss B02-GR | Truss Type COMMON GIRDER | Qty 1 | Ply 3 | Lot 38 Woodbridge South |
|-------------------|-----------------|-----------------------------|----------|----------|-------------------------|

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Scale = 1:28.8

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

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|----------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.67 | Vert(LL) | -0.05 | 1-4 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.55 | Vert(CT) | -0.09 | 1-4 | >999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.49 | Horz(CT) | 0.01 | 3 | n/a | | |
| BCDL 10.0 | Rep Stress Incr NO | Matrix-S | Wind(LL) | 0.03 | 1-4 | >999 | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 206 lb | FT = 20% |

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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.

REACTIONS. (lb/size) 1=4686/0-3-8 (min. 0-1-8), 3=5498/0-3-8 (min. 0-1-11)
Max Horz 1=-105(LC 23)
Max Uplift 1=-309(LC 8), 3=-358(LC 9)
Max Grav 1=5272(LC 2), 3=6206(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5319/344, 2-3=-5327/344
BOT CHORD 1-5=-216/4211, 5-6=-216/4211, 6-7=-216/4211, 4-7=-216/4211, 4-8=-216/4211,
8-9=-216/4211, 3-9=-216/4211
WEBS 2-4=-282/5996

- NOTES-**
- 3-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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=309, 3=358.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1717 lb down and 108 lb up at 1-2-4, 1717 lb down and 108 lb up at 3-2-4, 1902 lb down and 122 lb up at 5-2-4, 1902 lb down and 122 lb up at 7-5-4, and 1717 lb down and 108 lb up at 9-5-4, and 1726 lb down and 99 lb up at 11-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

| | | | | | |
|------------|--------|---------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | B02-GR | COMMON GIRDER | 1 | 3 | Job Reference (optional) |

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-60, 1-3=-20

Concentrated Loads (lb)

Vert: 3=-1493(B) 5=-1484(B) 6=-1484(B) 7=-1663(B) 8=-1663(B) 9=-1484(B)

| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | C01GE | GABLE | 1 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:24 2023 Page 1
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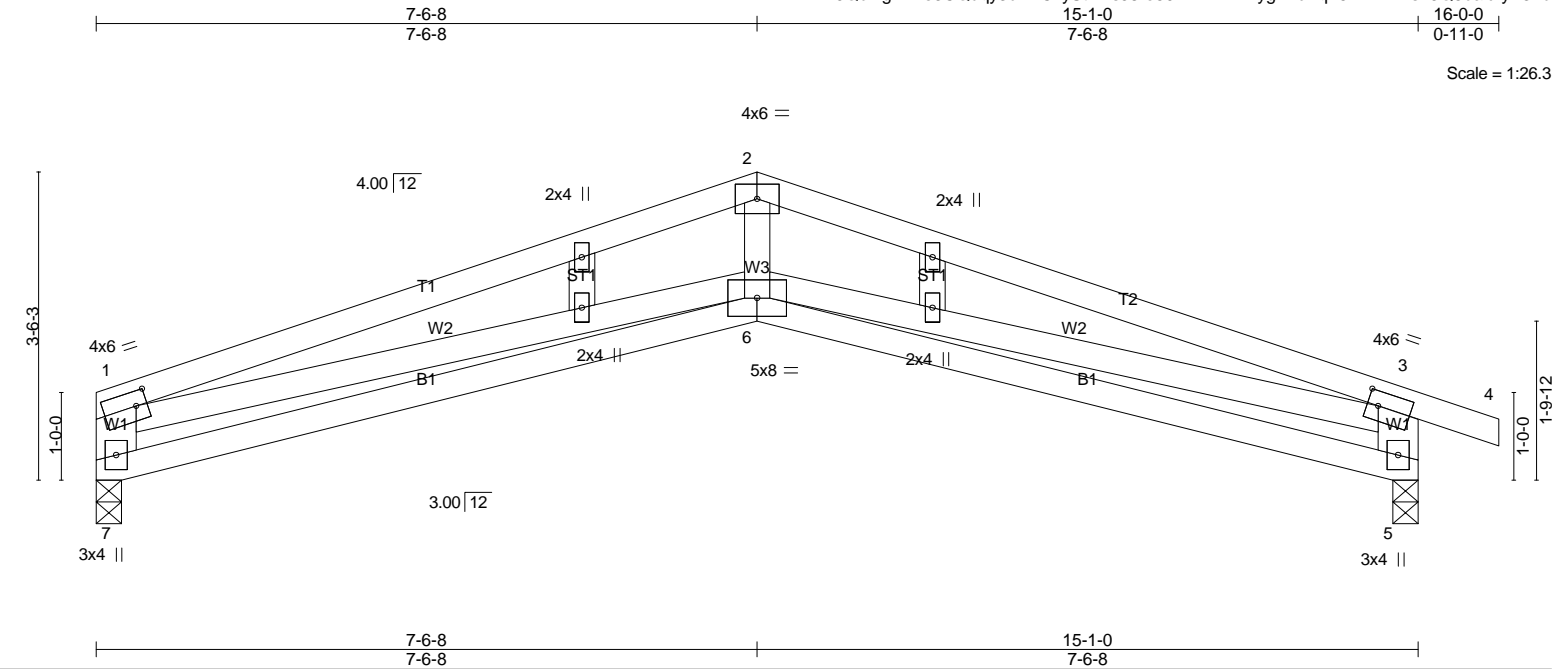


Plate Offsets (X,Y)-- [1:0-1-8,0-2-0], [3:0-1-8,0-2-0]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------------|----------|--------|-----|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.73 | Vert(LL) -0.10 | 5-6 | >999 | 360 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.35 | Vert(CT) -0.23 | 5-6 | >761 | 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.31 | Horz(CT) 0.10 | 5 | n/a | n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Wind(LL) 0.08 | 6 | >999 | 240 | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 76 lb | FT = 20% |

| LUMBER- | BRACING- |
|---------------------------|---|
| TOP CHORD 2x4 SP No.1 | TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.2 *Except* | |
| W1: 2x6 SP No.1 | |
| OTHERS 2x4 SP No.2 | |

REACTIONS. (lb/size) 7=582/0-3-8 (min. 0-1-8), 5=656/0-3-8 (min. 0-1-8)
Max Horz 7=-34(LC 17)
Max Uplift 7=-136(LC 8), 5=-195(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1783/413, 12-13=-1710/415, 2-13=-1700/429, 2-14=-1708/444, 14-15=-1725/428,
3-15=-1787/419, 1-7=-592/248, 3-5=-698/339
BOT CHORD 6-7=-149/393, 5-6=-221/526
WEBS 2-6=-34/694, 1-6=-214/1269, 3-6=-177/1141

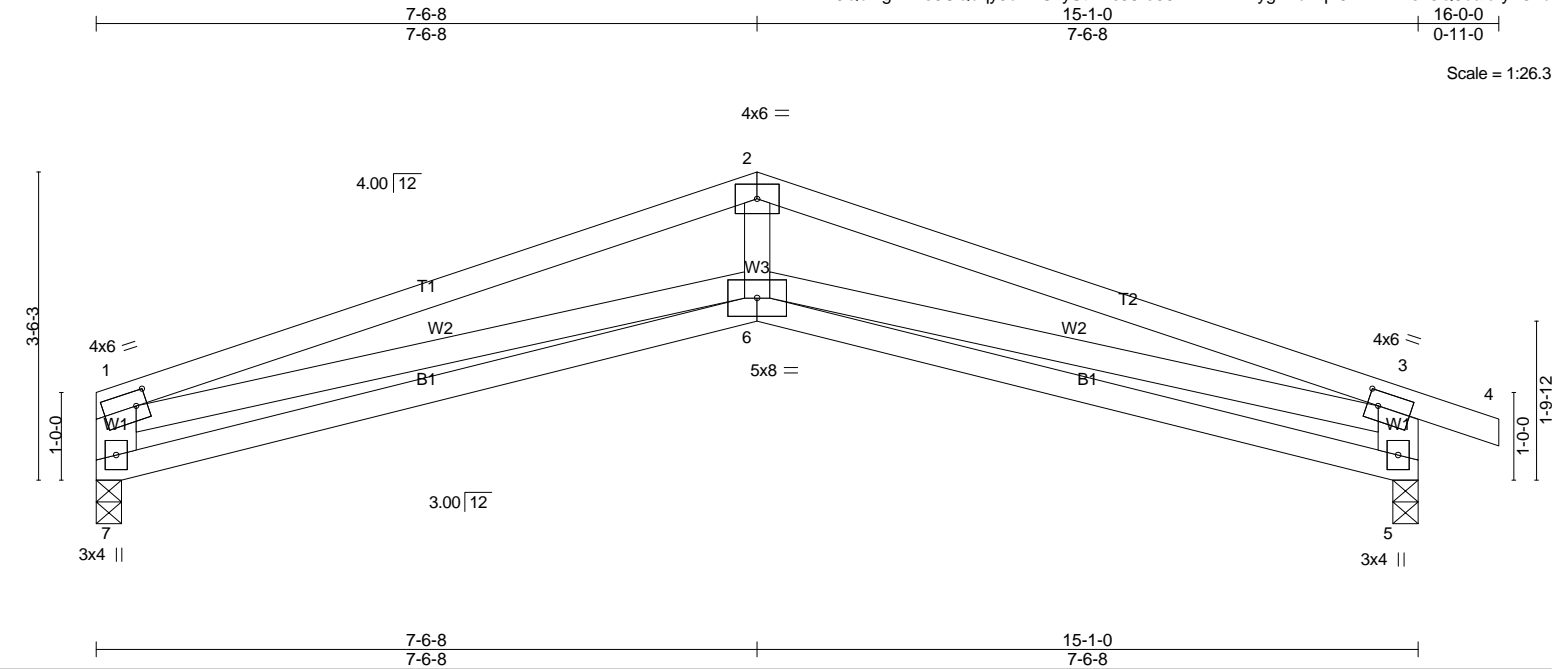
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 7-6-8, Exterior(2) 7-6-8 to 11-11-5, Interior(1) 11-11-5 to 16-0-0 zone; 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
 - 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.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=136, 5=195.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | C02 | SCISSORS | 4 | 1 | |

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Scale = 1:26.3

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

| 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 0.73 | Vert(LL) | -0.10 | 5-6 | >999 | 360 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.35 | Vert(CT) | -0.23 | 5-6 | >761 | 240 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.31 | Horz(CT) | 0.10 | 5 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-S | Wind(LL) | 0.07 | 6 | >999 | 240 | | |
| | | | | | | | | | Weight: 75 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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) 7=582/0-3-8 (min. 0-1-8), 5=656/0-3-8 (min. 0-1-8)
Max Horz 7=-19(LC 17)
Max Uplift 7=-46(LC 8), 5=-88(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-1783/413, 8-9=-1710/415, 2-9=-1700/429, 2-10=-1708/444, 10-11=-1725/428,
3-11=-1787/419, 1-7=-592/248, 3-5=-698/339
BOT CHORD 6-7=-144/393, 5-6=-200/526
WEBS 2-6=-34/694, 1-6=-214/1269, 3-6=-177/1141

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 7-6-8, Exterior(2) 7-6-8 to 11-11-5, Interior(1) 11-11-5 to 16-0-0 zone; 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Bearing at joint(s) 7, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 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.

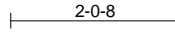
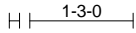
LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F01 | Floor | 4 | 1 | Job Reference (optional) |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:25 2023 Page 1
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0-1-8



0-1-8
Scale = 1:27.9

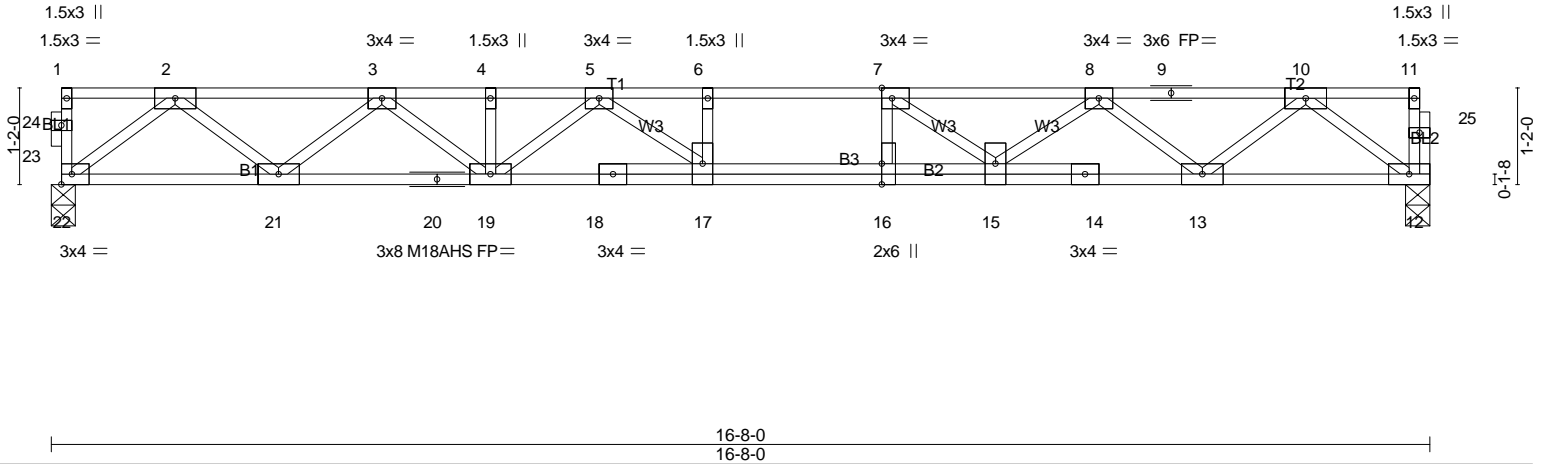


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [16:0-3-0,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.41 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.71 | Vert(LL) -0.20 16-17 >997 480 | M18AHS | 186/179 |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.47 | Vert(CT) -0.27 16-17 >724 360 | | |
| BCLD 5.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.05 12 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 91 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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.

REACTIONS. (lb/size) 22=899/0-3-8 (min. 0-1-8), 12=893/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1833/0, 3-4=-3019/0, 4-5=-3019/0, 5-6=-3644/0, 6-7=-3644/0, 7-8=-3099/0, 8-9=-1861/0, 9-10=-1861/0
BOT CHORD 21-22=0/1076, 20-21=0/2545, 19-20=0/2545, 18-19=0/3409, 17-18=0/3408, 16-17=0/3644, 15-16=0/3644, 14-15=0/2621,
13-14=0/2622, 12-13=0/1109
WEBS 2-22=-1374/0, 2-21=0/985, 3-21=-927/0, 3-19=0/605, 10-12=-1389/0, 10-13=0/979, 8-13=-991/0, 8-15=0/605,
7-15=-853/0, 7-16=-95/331, 5-19=-498/0, 5-17=0/550

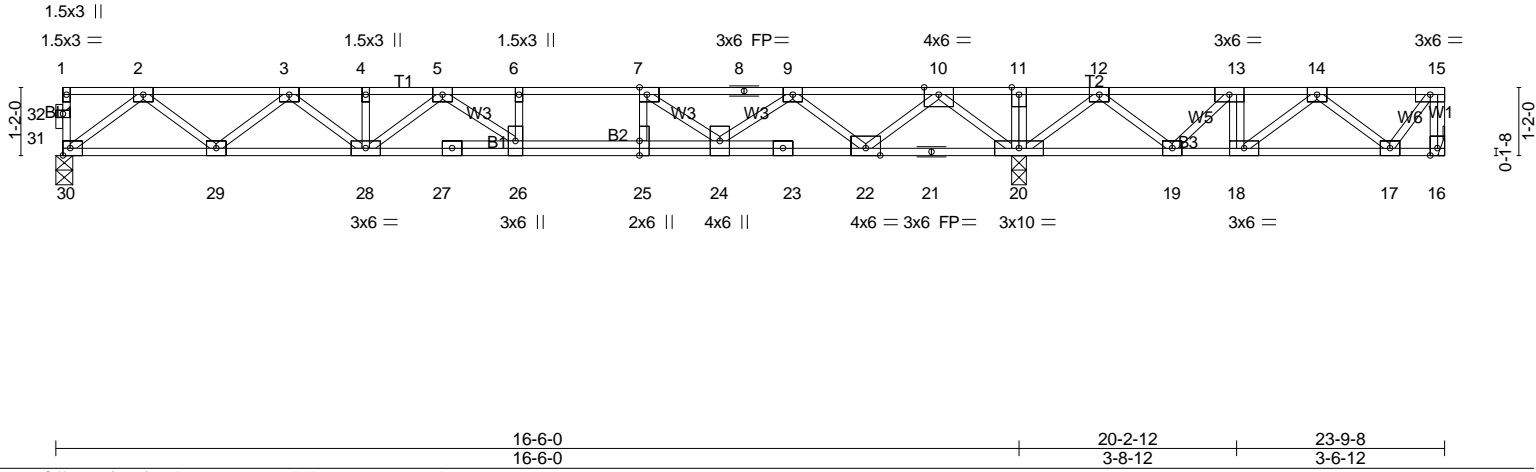
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x6 MT20 unless otherwise indicated.
 - 4) Plates checked for a plus or minus 1 degree rotation about its center.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F02 | FLOOR | 3 | 1 | Job Reference (optional) |

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| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------------|--------------------------------|---------|
| TCLL 40.0 | 2-0-0 | TC 0.52 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.61 | Vert(LL) -0.16 26-28 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.56 | Vert(CT) -0.22 26-28 >905 360 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.03 20 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 131 lb FT = 20%F, 11%E | |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 16=82/Mechanical, 30=760/0-3-8 (min. 0-1-8), 20=1741/0-3-0 (min. 0-1-8)
Max Uplift 16=-185(LC 3)
Max Grav 16=290(LC 4), 30=769(LC 3), 20=1741(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 15-16=-292/183, 2-3=-1508/0, 3-4=-2396/0, 4-5=-2396/0, 5-6=-2504/0, 6-7=-2504/0, 7-8=-1669/0, 8-9=-1669/0, 10-11=0/2111, 11-12=0/2111, 12-13=-146/1105, 13-14=-367/766
BOT CHORD 29-30=0/909, 28-29=0/2076, 27-28=0/2563, 26-27=0/2560, 25-26=0/2504, 24-25=0/2504, 23-24=0/1051, 22-23=0/1052, 21-22=-842/0, 20-21=-842/0, 19-20=-1502/0, 18-19=-766/367, 17-18=-424/377
WEBS 13-18=0/280, 2-30=-1161/0, 2-29=0/779, 3-29=-740/0, 3-28=0/408, 10-20=-1592/0, 10-22=0/1180, 9-22=-1150/0, 9-24=0/796, 7-24=-1099/0, 7-25=0/453, 12-20=-1049/0, 12-19=0/671, 13-19=-609/0, 14-18=-430/0, 14-17=-283/349, 15-17=-254/259

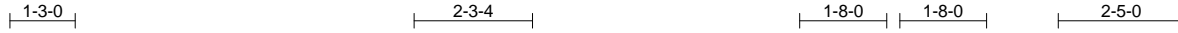
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=185.
 - 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F03 | FLOOR | 3 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:26 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-phFcDmAqCLm3lh53SKx0v6Bjy38vKwrjYv3szAyB3Z2



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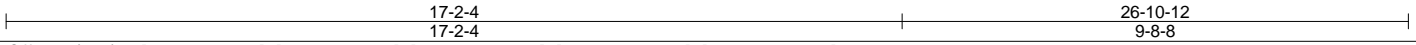
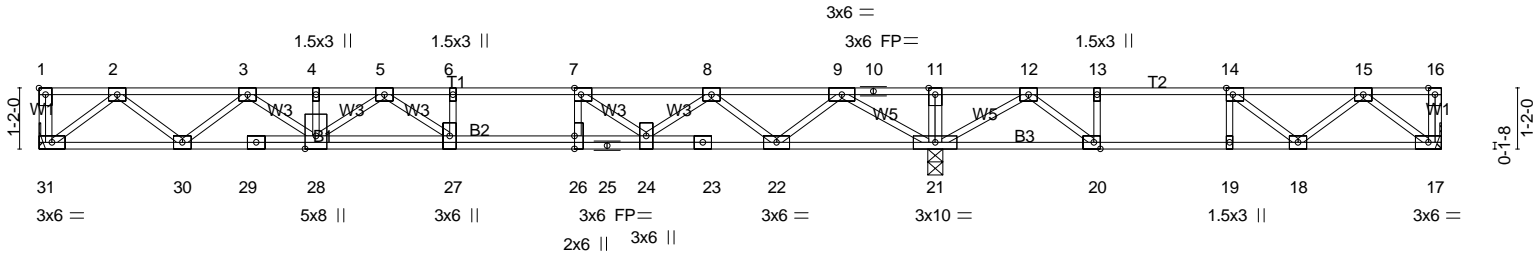


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,Edge], [26:0-3-0,Edge]

| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|-------------|--------|-----|----------------|-----------------|
| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.59 | Vert(LL) | -0.17 27-28 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.59 | Vert(CT) | -0.23 27-28 | >878 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.42 | Horz(CT) | 0.04 17 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 145 lb | FT = 20%F, 11%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-21,19-20,18-19. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 31=696/Mechanical, 21=1322/0-3-8 (min. 0-1-8), 17=325/Mechanical
Max Grav 31=706(LC 10), 21=1322(LC 1), 17=395(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1449/0, 3-4=-2485/0, 4-5=-2485/0, 5-6=-2806/0, 6-7=-2806/0, 7-8=-2250/0, 8-9=-1182/0, 9-10=0/1057, 10-11=0/1057, 11-12=0/1057, 12-13=-797/230, 13-14=-797/230, 14-15=-675/43
BOT CHORD 30-31=0/872, 29-30=0/2051, 28-29=0/2051, 27-28=0/2730, 26-27=0/2806, 25-26=0/2806, 24-25=0/2806, 23-24=0/1822, 22-23=0/1823, 21-22=0/528, 20-21=-555/405, 19-20=-230/797, 18-19=-230/797, 17-18=0/483
WEBS 2-31=-1094/0, 2-30=0/752, 3-30=-784/0, 3-28=0/541, 5-28=-323/0, 5-27=-119/336, 9-21=-1448/0, 9-22=0/883, 8-22=-864/0, 8-24=0/576, 7-24=-817/0, 7-26=-21/322, 12-21=-859/0, 12-20=0/714, 15-17=-606/0, 15-18=-94/251, 13-20=-327/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 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.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F04 | FLOOR | 3 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:27 2023 Page 1
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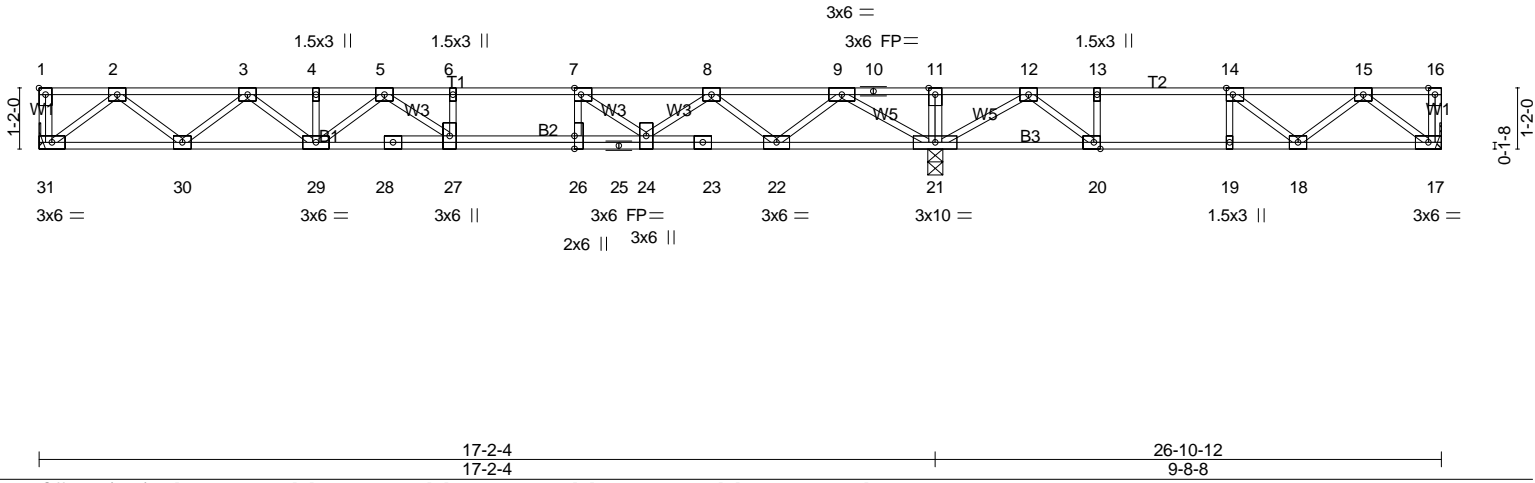


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,Edge], [26:0-3-0,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|----------------------------|--------------------------------|---------|
| TCLL 40.0 | 1-7-3 | TC 0.60 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.60 | Vert(LL) -0.17 27 >999 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.42 | Vert(CT) -0.23 27 >888 360 | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.04 17 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 142 lb FT = 20%F, 11%E | |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: |
| WEBS 2x4 SP No.3(flat) | 6-0-0 oc bracing: 20-21,19-20,18-19. |

REACTIONS. (lb/size) 31=694/Mechanical, 21=1328/0-3-8 (min. 0-1-8), 17=322/Mechanical
Max Grav 31=704(LC 10), 21=1328(LC 1), 17=394(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1456/0, 3-4=-2361/0, 4-5=-2361/0, 5-6=-2767/0, 6-7=-2767/0, 7-8=-2226/0, 8-9=-1155/0, 9-10=0/1086, 10-11=0/1086, 11-12=0/1086, 12-13=-792/248, 13-14=-792/248, 14-15=-673/52
BOT CHORD 30-31=0/876, 29-30=0/2005, 28-29=0/2631, 27-28=0/2629, 26-27=0/2767, 25-26=0/2767, 24-25=0/2767, 23-24=0/1798, 22-23=0/1799, 21-22=0/497, 20-21=-581/398, 19-20=-248/792, 18-19=-248/792, 17-18=0/482
WEBS 2-31=-1099/0, 2-30=0/755, 3-30=-714/0, 3-29=0/455, 5-29=-344/0, 5-27=-53/378, 9-21=-1451/0, 9-22=0/887, 8-22=-868/0, 8-24=0/576, 7-24=-808/0, 7-26=-23/320, 12-21=-866/0, 12-20=0/725, 15-17=-605/0, 14-18=-152/250, 13-20=-332/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 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.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

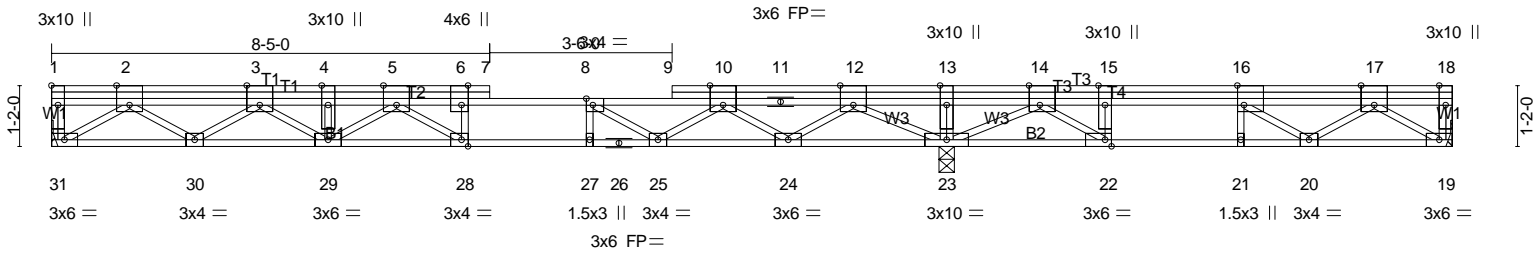
| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F05 | FLOOR | 3 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:28 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-14NMdSch7y0n??FRZlZU?XG4ZsrQonM00DYy13yB32X



Scale = 1:44.2



| | |
|--------|----------|
| 17-2-4 | 26-10-12 |
| 17-2-4 | 9-8-8 |

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-3-0,Edge], [3:0-3-0,Edge], [5:0-3-0,Edge], [6:0-4-8,Edge], [8:0-1-8,Edge], [10:0-3-0,Edge], [12:0-3-0,Edge], [14:0-2-8,Edge], [16:0-1-8,Edge], [17:0-3-0,Edge], [22:0-1-8,Edge], [28:0-1-8,Edge]

| LOADING (psf) | SPACING- | 1-7-3 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP | |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.52 | Vert(LL) | -0.15 | 28 | >999 | 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.52 | Vert(CT) | -0.20 | 28 | >999 | 360 | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.61 | Horz(CT) | 0.03 | 23 | n/a | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | | |
| | | | | | | | | | Weight: 195 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 31=624/Mechanical, 19=197/Mechanical, 23=1522/0-3-8 (min. 0-1-8)
Max Uplift 19=-95(LC 3)
Max Grav 31=632(LC 3), 19=346(LC 4), 23=1522(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1384/0, 3-4=-2261/0, 4-5=-2261/0, 5-6=-2402/0, 6-7=-2402/0, 7-8=-2413/0, 8-9=-1620/0, 9-10=-1609/0, 12-13=0/2117, 13-14=0/2117, 14-15=-611/863, 15-16=-611/863, 16-17=-557/444
BOT CHORD 30-31=0/848, 29-30=0/1891, 28-29=0/2316, 27-28=0/2402, 26-27=0/2402, 25-26=0/2402, 24-25=0/945, 23-24=-775/0, 22-23=-1573/0, 21-22=-863/611, 20-21=-863/611, 19-20=-93/466
WEBS 2-31=-1019/0, 2-30=0/665, 3-30=-628/0, 3-29=0/452, 5-28=-126/335, 12-23=-1543/0, 12-24=0/1019, 10-24=-970/0, 10-25=0/833, 8-25=-967/0, 17-19=-560/111, 17-20=-435/113, 16-20=-66/511, 14-23=-979/0, 14-22=0/1284, 15-22=-682/0, 13-23=-359/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 6x6 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 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) 19.
 - 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F06 | Floor | 4 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:28 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-4NMdSCh7y0n??FRZlZU?XG3NskKqC00DYy13yB32X

0-1-8



Scale = 1:45.2

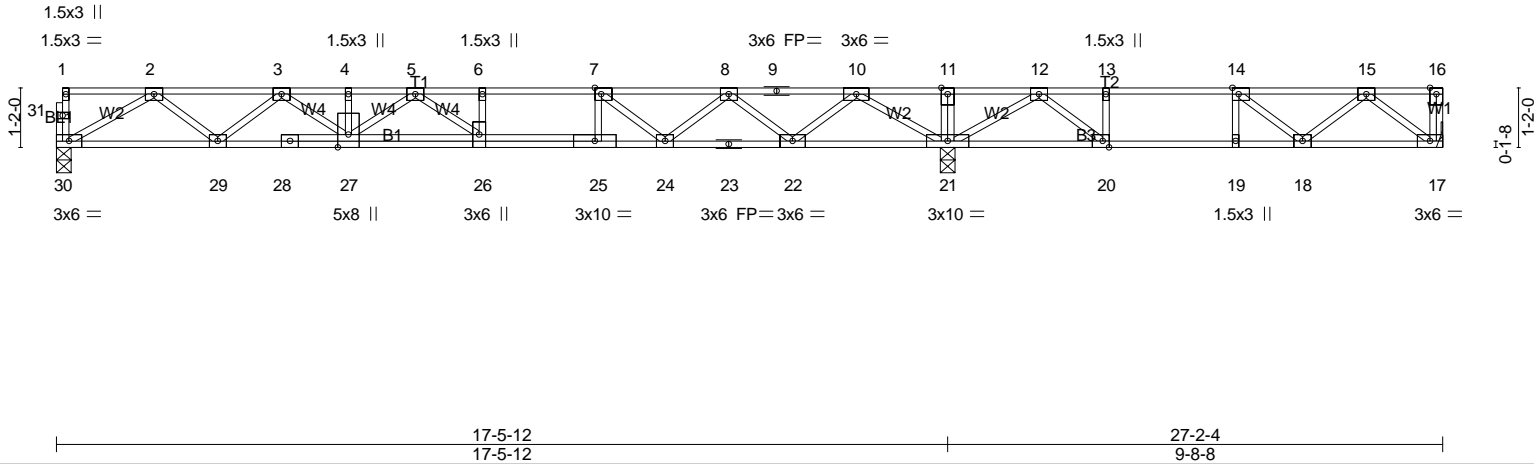


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [14:0-1-8,Edge], [20:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------------|----------------|-----------------|
| TCLL 40.0 | 1-7-3 | TC 0.59 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.98 | Vert(LL) -0.22 26-27 >931 480 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.43 | Vert(CT) -0.31 26-27 >678 360 | | |
| BCLD 5.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.04 17 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 142 lb | FT = 20%F, 11%E |

LUMBER-

TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 30=704/0-3-8 (min. 0-1-8), 21=1337/0-3-8 (min. 0-1-8), 17=323/Mechanical
Max Grav 30=714(LC 10), 21=1337(LC 1), 17=394(LC 4)

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

TOP CHORD 2-3=-1666/0, 3-4=-2669/0, 4-5=-2669/0, 5-6=-2760/0, 6-7=-2760/0, 7-8=-2231/0,
8-9=-1211/0, 9-10=-1211/0, 10-11=0/1075, 11-12=0/1075, 12-13=-794/239, 13-14=-794/239,
14-15=-674/47
BOT CHORD 29-30=0/1117, 28-29=0/2254, 27-28=0/2254, 26-27=0/2833, 25-26=0/2758, 24-25=0/2760,
23-24=0/1830, 22-23=0/1830, 21-22=0/541, 20-21=-569/401, 19-20=-239/794,
18-19=-239/794, 17-18=0/482
WEBS 2-30=-1289/0, 2-29=0/715, 3-29=-764/0, 3-27=0/518, 10-21=-1483/0, 10-22=0/902,
8-22=-842/0, 8-24=0/560, 7-24=-757/0, 7-25=-16/262, 5-27=-272/0, 5-26=-300/248,
12-21=-865/0, 12-20=0/720, 13-20=-329/0, 15-17=-605/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 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.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F07 | Floor | 3 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:28 2023 Page 1
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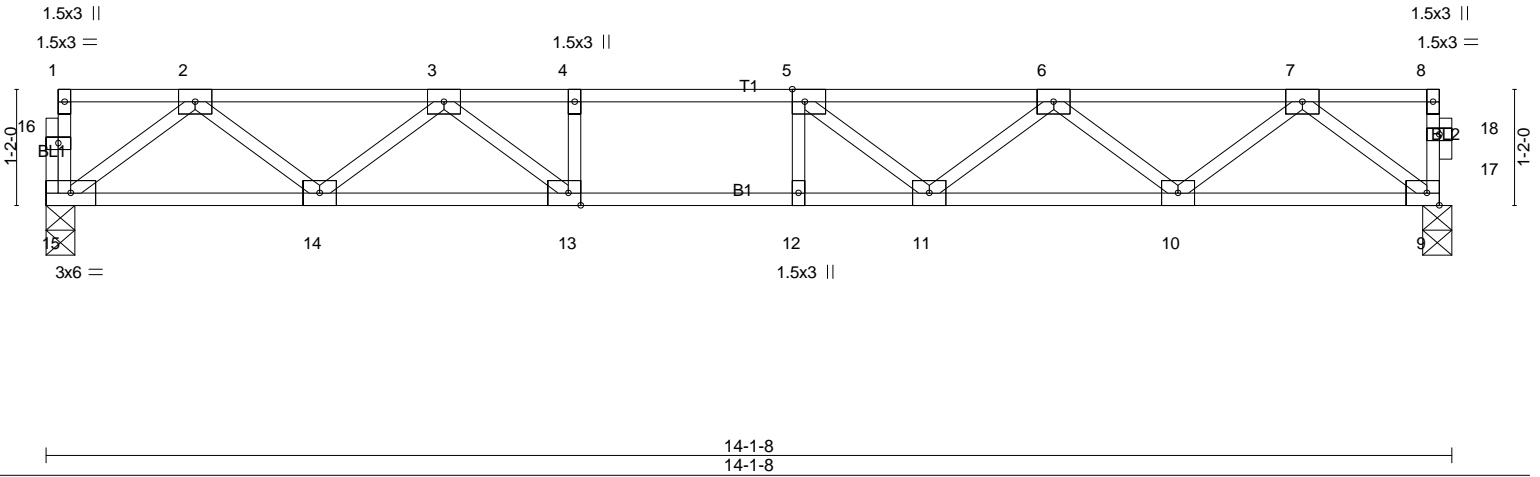
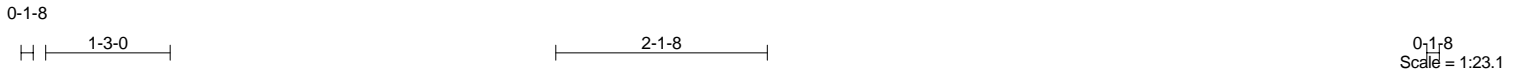


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [13:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.53 | Vert(LL) | -0.16 | 11-12 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.81 | Vert(CT) | -0.22 | 11-12 | >771 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.37 | Horz(CT) | 0.03 | 9 | n/a | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 69 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

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.

REACTIONS. (lb/size) 15=753/0-3-8 (min. 0-1-8), 9=760/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1502/0, 3-4=-2460/0, 4-5=-2460/0, 5-6=-2299/0, 6-7=-1493/0
 BOT CHORD 14-15=0/934, 13-14=0/2063, 12-13=0/2460, 11-12=0/2460, 10-11=0/2068, 9-10=0/891
 WEBS 2-15=-1169/0, 2-14=0/740, 3-14=-730/0, 3-13=0/689, 4-13=-290/0, 7-9=-1137/0, 7-10=0/784, 6-10=-748/0, 6-11=0/381, 5-11=-416/20

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) 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.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F08 | Floor | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:29 2023 Page 1
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1-3-0

1-10-0

0-1-8

Scale = 1:22.4

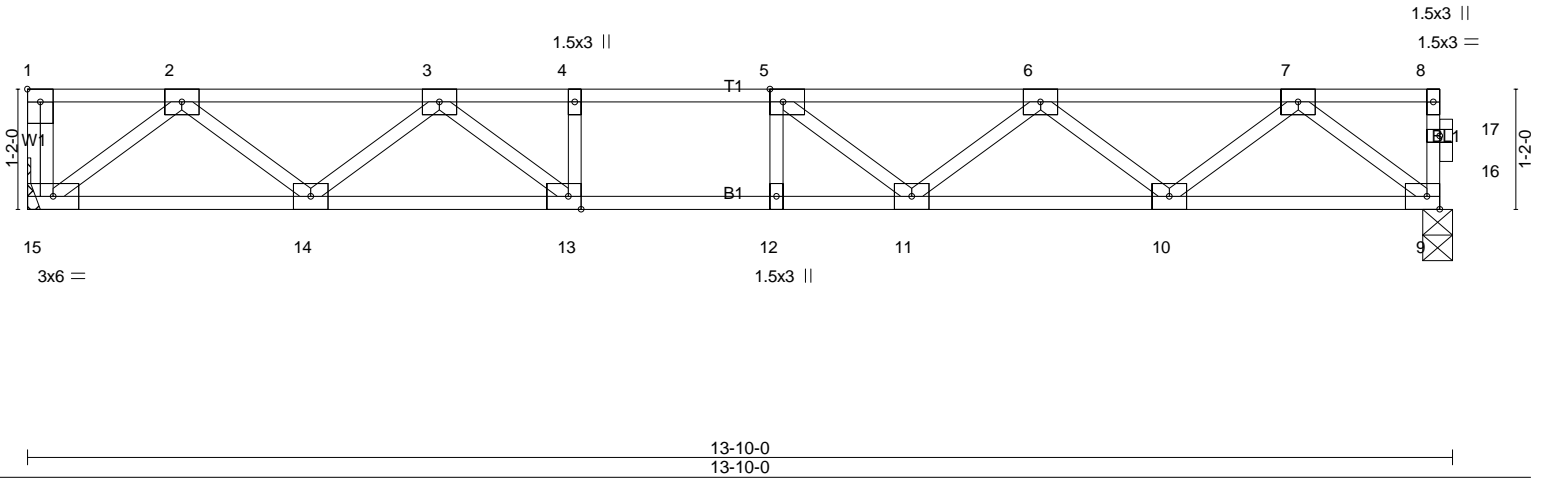


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [13:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.45 | Vert(LL) | -0.14 | 11-12 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.74 | Vert(CT) | -0.18 | 11-12 | >887 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.36 | Horz(CT) | 0.03 | 9 | n/a | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 69 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

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.

REACTIONS. (lb/size) 15=744/Mechanical, 9=744/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1464/0, 3-4=-2364/0, 4-5=-2364/0, 5-6=-2220/0, 6-7=-1454/0
 BOT CHORD 14-15=0/913, 13-14=0/2005, 12-13=0/2364, 11-12=0/2364, 10-11=0/2009, 9-10=0/870
 WEBS 2-15=-1146/0, 2-14=0/717, 3-14=-704/0, 3-13=0/633, 4-13=-258/0, 7-9=-1111/0, 7-10=0/760, 6-10=-723/0, 6-11=0/354, 5-11=-381/34

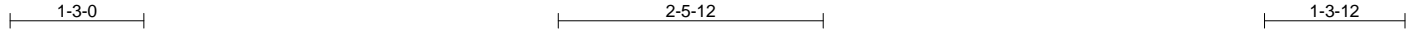
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F09 | Floor | 3 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:29 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-DGxkroDJuG8ec8qe7SUjXlpGUG8iXJE9EtHWaVyB32W



Scale = 1:21.5

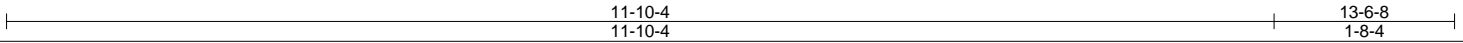
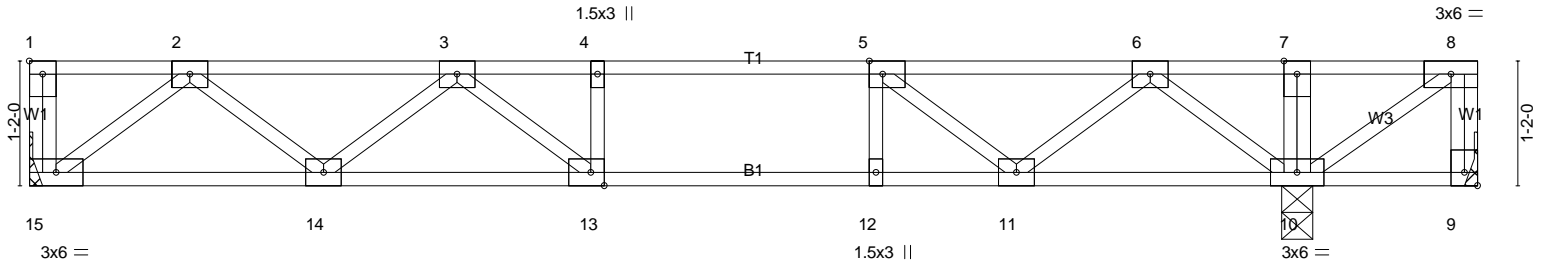


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [9:Edge,0-1-8], [13:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.51 | Vert(LL) | -0.13 | 13-14 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.65 | Vert(CT) | -0.17 | 13-14 | >830 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.32 | Horz(CT) | 0.02 | 9 | n/a | | |
| BCDL 5.0 | Rep Stress Incr YES | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 70 lb | FT = 20%F, 11%E |

LUMBER-

TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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.

REACTIONS. (lb/size) 9=132/Mechanical, 15=616/Mechanical, 10=978/0-3-8 (min. 0-1-8)
Max Uplift9=328(LC 8)
Max Grav9=172(LC 7), 15=617(LC 3), 10=1108(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-171/328, 2-3=-1171/0, 3-4=-1573/0, 4-5=-1573/0, 5-6=-987/0, 6-7=-163/581, 7-8=-163/582
BOT CHORD 14-15=0/752, 13-14=0/1521, 12-13=0/1573, 11-12=0/1573, 10-11=0/556
WEBS 2-15=-944/0, 2-14=0/545, 3-14=-455/0, 6-10=-970/0, 6-11=0/662, 5-11=-752/0, 8-10=-699/196

NOTES-

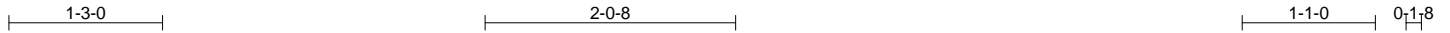
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=328.
- 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

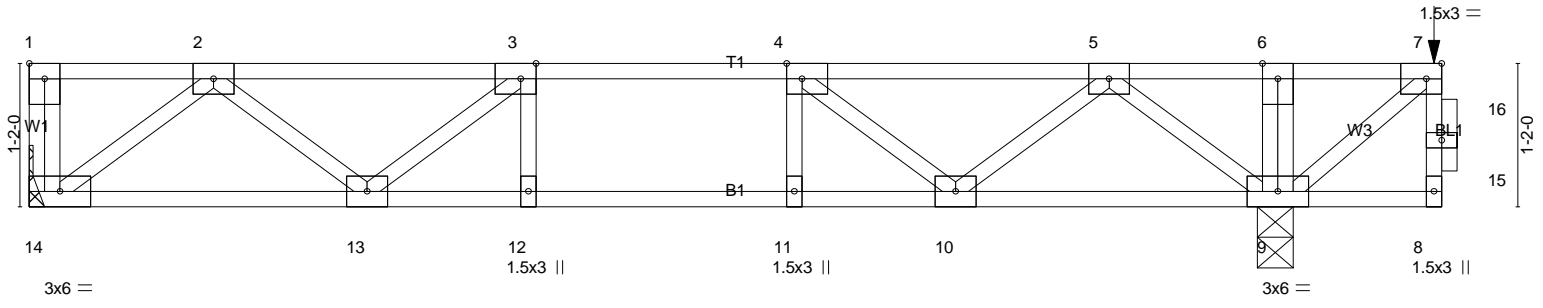
| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F10 | FLOOR | 5 | 1 | |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:30 2023 Page 1
 ID:JQb1igK2ne3CQdqy3dwnCxyStrD-hTV728DxfaGVEIPqhA?y4yMTOgXRgnBJTX136yyB32V



Scale = 1:18.8



| | | | | | |
|--|--------|--|--------|--------|--------|
| | 10-2-0 | | 10-2-0 | 10-3-8 | 11-7-8 |
| | | | | 0-1-8 | 1-4-0 |

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

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | 1-7-3 | TC 0.37 | Vert(LL) | -0.06 | 12-13 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.00 | BC 0.49 | Vert(CT) | -0.07 | 12-13 | >999 | | |
| BCLL 0.0 | Lumber DOL 1.00 | WB 0.21 | Horz(CT) | 0.01 | 9 | n/a | | |
| BCDL 5.0 | Rep Stress Incr NO | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 61 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 14=390/Mechanical, 9=955/0-3-8 (min. 0-1-8)
 Max Grav 14=395(LC 3), 9=955(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-676/0, 3-4=-824/0, 4-5=-463/145, 5-6=0/473, 6-7=0/473
 BOT CHORD 13-14=0/478, 12-13=0/824, 11-12=0/824, 10-11=0/824, 9-10=-298/137
 WEBS 2-14=-600/0, 2-13=0/257, 5-9=-709/0, 5-10=0/434, 4-10=-510/0, 7-9=-611/0

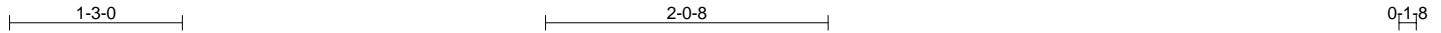
- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x4 MT20 unless otherwise indicated.
 - 3) Plates checked for a plus or minus 1 degree rotation about its center.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 8-14=-8, 1-7=-80
 Concentrated Loads (lb)
 Vert: 7=-350

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | F11 | FLOOR | 5 | 1 | Job Reference (optional) |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:30 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-hTV728DxfaGVEIPqhA?y4yMVSgYcGnDJTX136yyB32V



Scale = 1:16.6

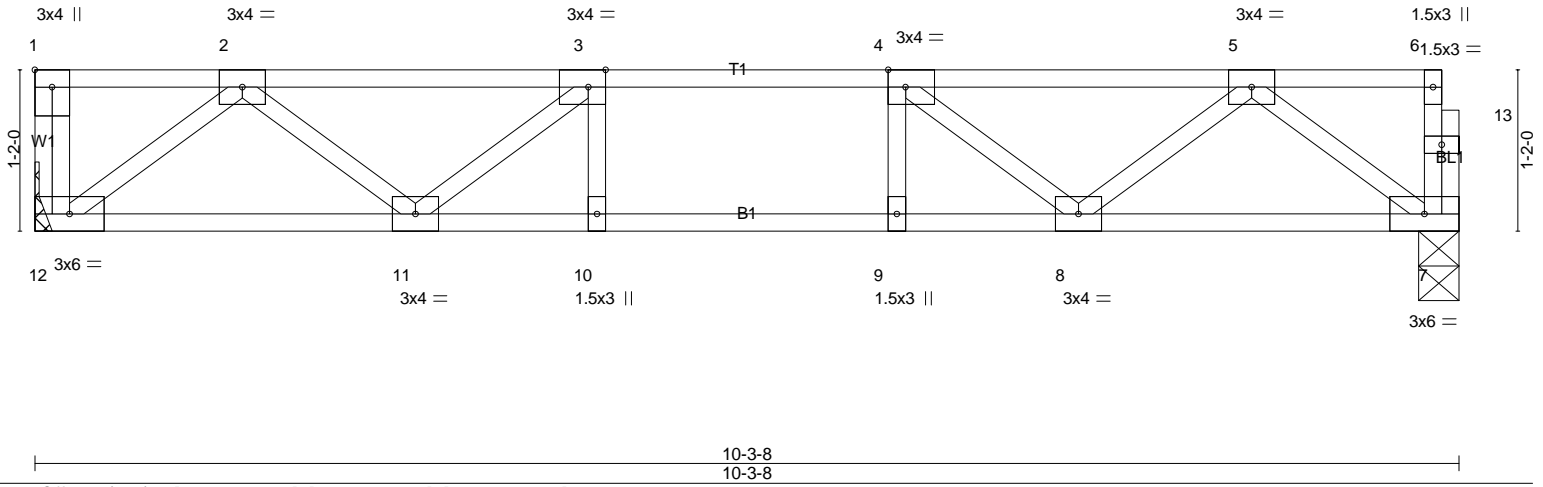


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|-----------------|
| TCLL 40.0 | 2-0-0 | TC 0.24 | Vert(LL) | -0.06 | 8-9 | >999 | MT20 | 244/190 |
| TCDL 10.0 | 1.00 | BC 0.41 | Vert(CT) | -0.07 | 9 | >999 | | |
| BCLL 0.0 | 1.00 | WB 0.20 | Horz(CT) | 0.01 | 7 | n/a | | |
| BCLL 0.0 | YES | Matrix-S | | | | | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | | | | | Weight: 52 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) 12=552/Mechanical, 7=546/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-994/0, 3-4=-1310/0, 4-5=-994/0
BOT CHORD 11-12=0/664, 10-11=0/1310, 9-10=0/1310, 8-9=0/1310, 7-8=0/663
WEBS 2-12=-833/0, 2-11=0/429, 3-11=-443/0, 5-7=-830/0, 5-8=0/430, 4-8=-444/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Plates checked for a plus or minus 1 degree rotation about its center.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) 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.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|-----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | FKW1 | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

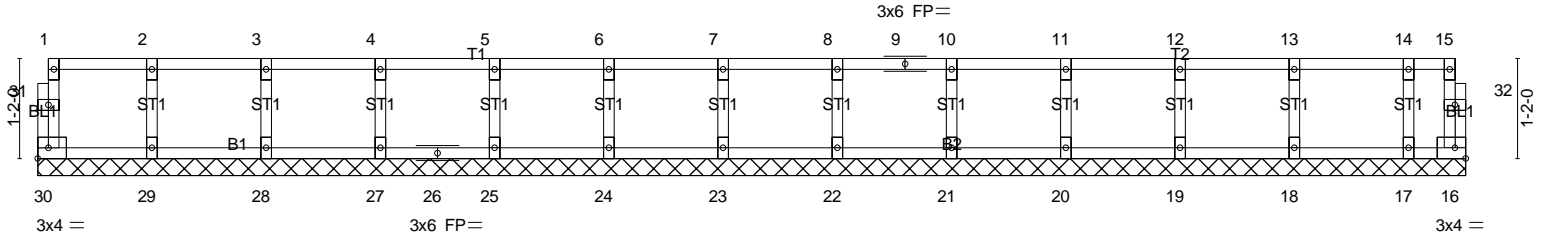
Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:31 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-9f3VGUEZQtOLs_0EtWBcAuj_4_5?H9SiBmdeOyB32U

0-1-8

0-1-8

Scale = 1:26.9



16-8-0
16-8-0

| | | | | | |
|----------------------|-----------------------|-------------|----------------------------------|---------------|-----------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.06 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.01 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.03 | Horz(CT) 0.00 16 n/a n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | Matrix-R | | | |
| | | | | Weight: 70 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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.

REACTIONS. All bearings 16-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 25, 24, 23, 22, 21, 20, 19, 18, 17

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

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Plates checked for a plus or minus 1 degree rotation about its center.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|-----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | FKW2 | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

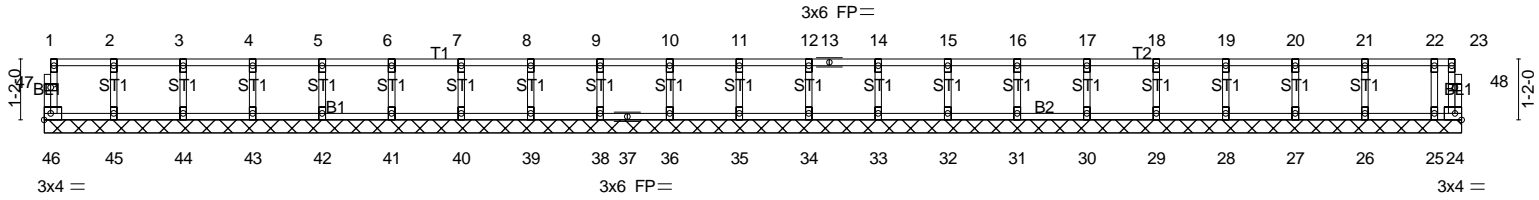
Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:31 2023 Page 1
 ID:JQb1igK2ne3CQdqy3dwnCxyStrD-9f3VGUEZQtOLs_0EtWBcAuj_4_4?H9SiBmdeOyB32U

0-1-8
H

0-1-8
H

Scale = 1:44.2



27-2-4
27-2-4

| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|-----|----------------|-----------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 24 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 113 lb | FT = 20%F, 11%E |

LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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.

REACTIONS. All bearings 27-2-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 46, 24, 45, 44, 43, 42, 41, 40, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25

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

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

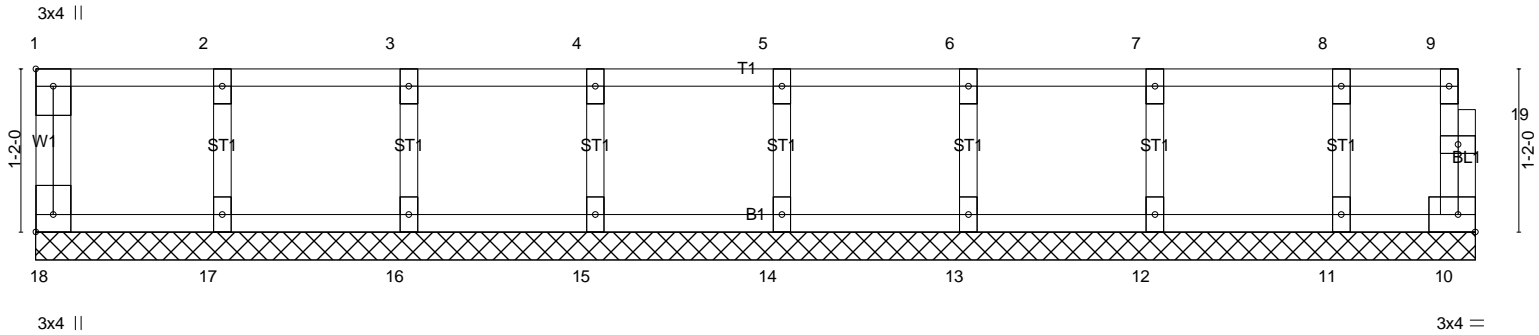
| | | | | | |
|------------|-------|-----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | FKW3 | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:31 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-9f3VGUEZQtOLsS_0EtWBcAuj?4_7?H9SiBmdeOyB32U

0-1-8

Scale = 1:16.5



| | |
|--|--------|
| | 10-3-8 |
| | 10-3-8 |

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 10 | n/a | | |
| BSDL 5.0 | Code IRC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 45 lb | FT = 20%F, 11%E |

| LUMBER- | BRACING- |
|-----------------------------|---|
| TOP CHORD 2x4 SP No.1(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1(flat) | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |
| OTHERS 2x4 SP No.3(flat) | |

REACTIONS. All bearings 10-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Plates checked for a plus or minus 1 degree rotation about its center.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|-----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | FKW4 | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:32 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-drctTqFBBWCTcZDoa1Q9NRukUKJkkPbwqWAAqyB32T

0-1-8

Scale = 1:17.8

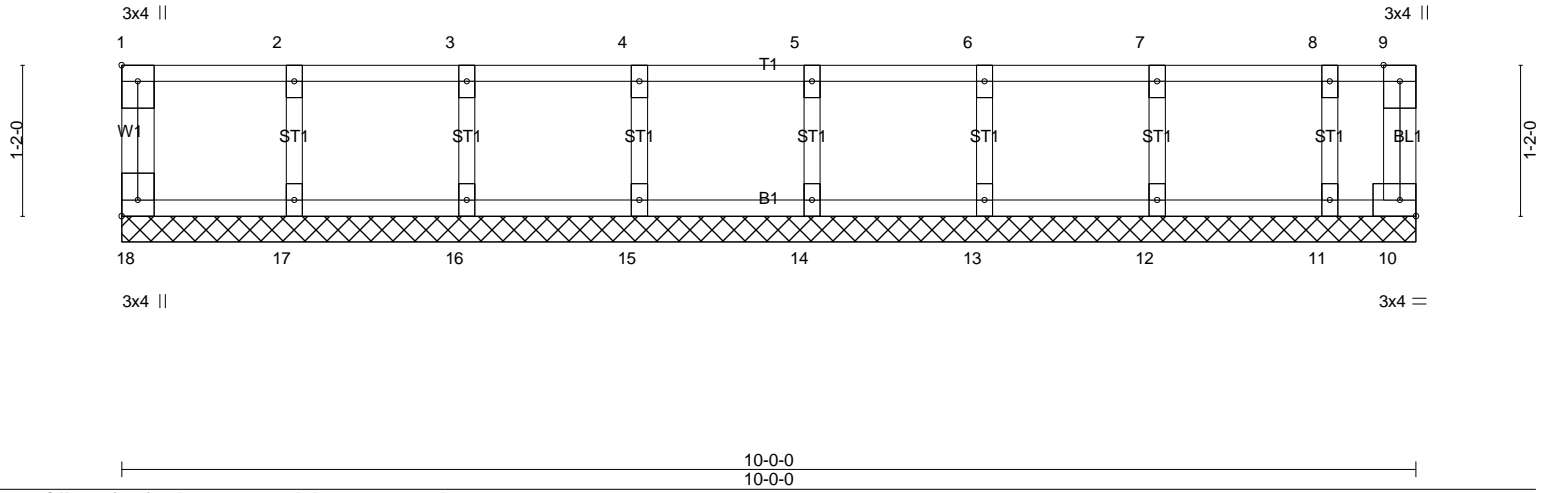


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|---------------|-----------------|
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 10 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 45 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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.

REACTIONS. All bearings 10-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - 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.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|-----------------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | FKW5 | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

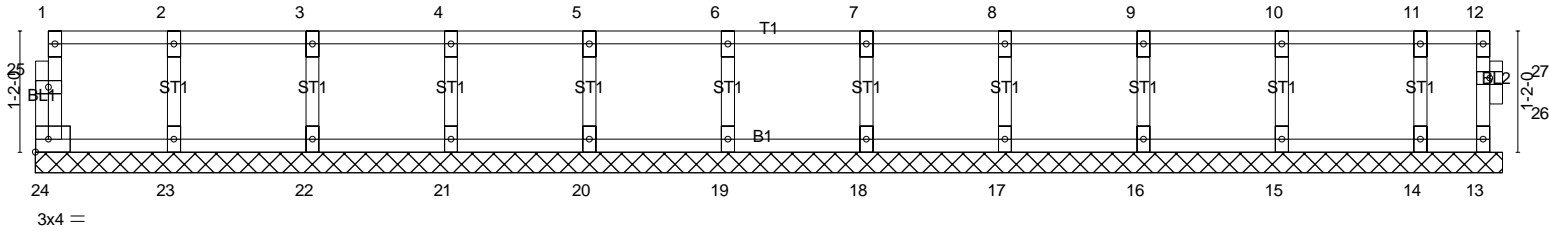
Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:32 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-drcfTqFBBWCTcZDoa1Q9NRukUKNkkPbwqWAAqyB32T

0-1-8

0-1-8

Scale = 1:22.2



14-1-8
14-1-8

| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|-----|---------------|-----------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC 0.06 | Vert(LL) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 | Rep Stress Incr | YES | WB 0.03 | Horz(CT) | 0.00 | 13 | n/a | | |
| BCDL 5.0 | Code IRC2015/TPI2014 | | Matrix-R | | | | | | |
| | | | | | | | | Weight: 60 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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.

REACTIONS. All bearings 14-1-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

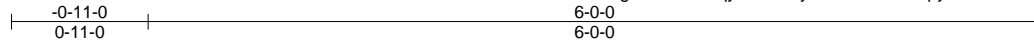
- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Plates checked for a plus or minus 1 degree rotation about its center.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 1-4-0 oc.
 - 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

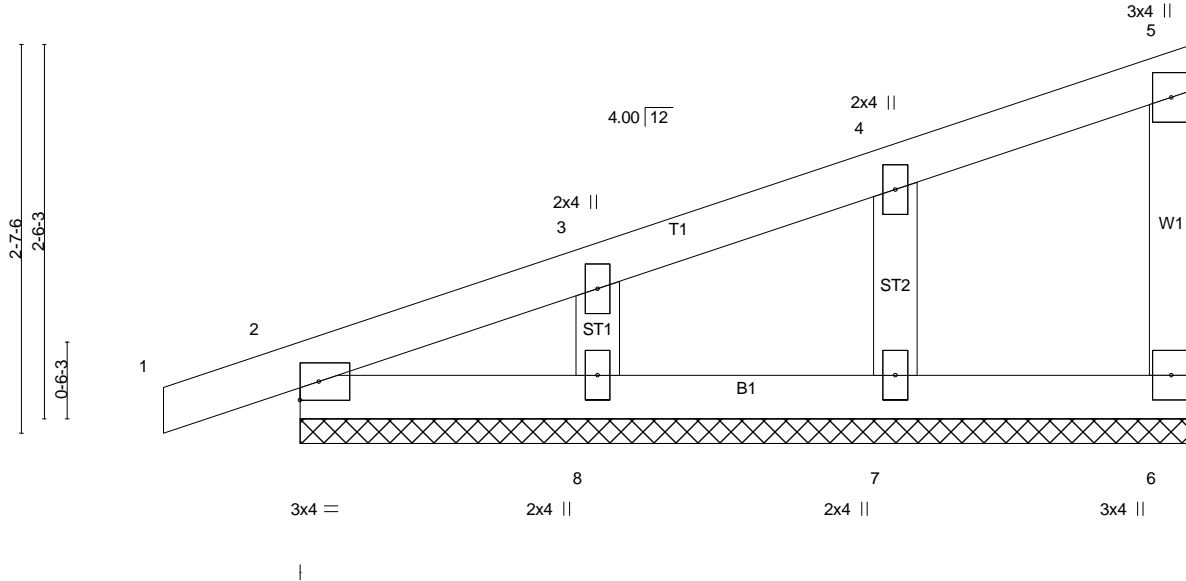
| | | | | | |
|-------------------|----------------|---------------------|----------|----------|---|
| Job J1123-6813 | Truss M01GE | Truss Type GABLE | Qty 1 | Ply 1 | Lot 38 Woodbridge South Job Reference (optional) |
|-------------------|----------------|---------------------|----------|----------|---|

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:33 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-62AFhAGpyVe35m8PMIZfib_2WtgPTBYi9UFjjGyB32S



Scale = 1:15.5



| | | | | | | | | | |
|----------------------|----------------------|-------|-------------|--------------|----------|--------|-----|---------------|------------------------|
| 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 0.06 | Vert(LL) | 0.00 | 1 | n/r | 120 | MT20 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.02 | Vert(CT) | -0.00 | 1 | n/r | 120 | 244/190 |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.04 | Horz(CT) | 0.00 | | n/a | n/a | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | |
| | | | | | | | | | Weight: 26 lb FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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 6-0-0.
(lb) - Max Horz 2=75(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 7, 8

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

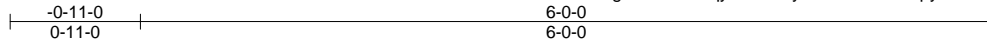
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -0-11-0 to 3-5-13, Exterior(2) 3-5-13 to 5-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Gable requires continuous bottom chord bearing.
 - 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 30.0psf 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) 6, 2, 7, 8.
 - 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

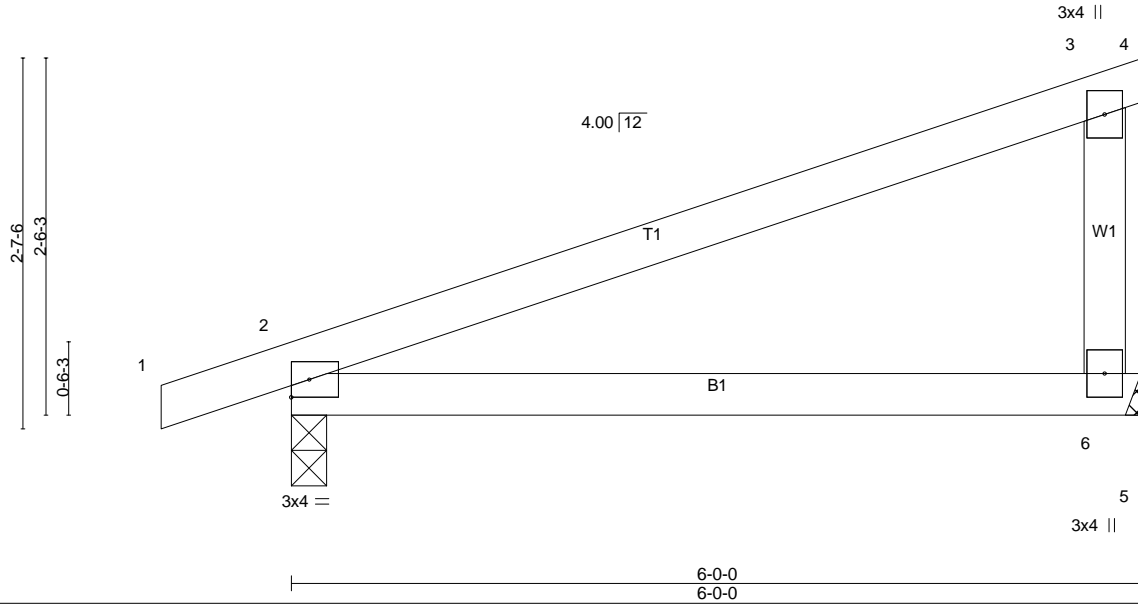
| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M02 | Monopitch | 6 | 1 | |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:33 2023 Page 1
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Scale = 1:16.2



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-----------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.43 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.29 | Vert(LL) -0.05 2-6 >999 360 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.00 | Vert(CT) -0.10 2-6 >653 240 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-P | Horz(CT) 0.00 n/a n/a | | |
| | Code IRC2015/TPI2014 | | Wind(LL) 0.11 2-6 >586 240 | Weight: 23 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2

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) 6=229/Mechanical, 2=292/0-3-0 (min. 0-1-8)
 Max Horz 2=76(LC 8)
 Max Uplift 6=98(LC 8), 2=-114(LC 8)

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

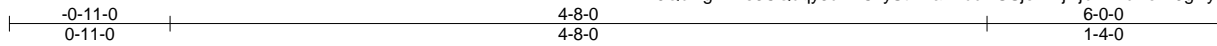
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 6-0-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate 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 30.0psf 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) 6 except (jt=lb) 2=114.
 - 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

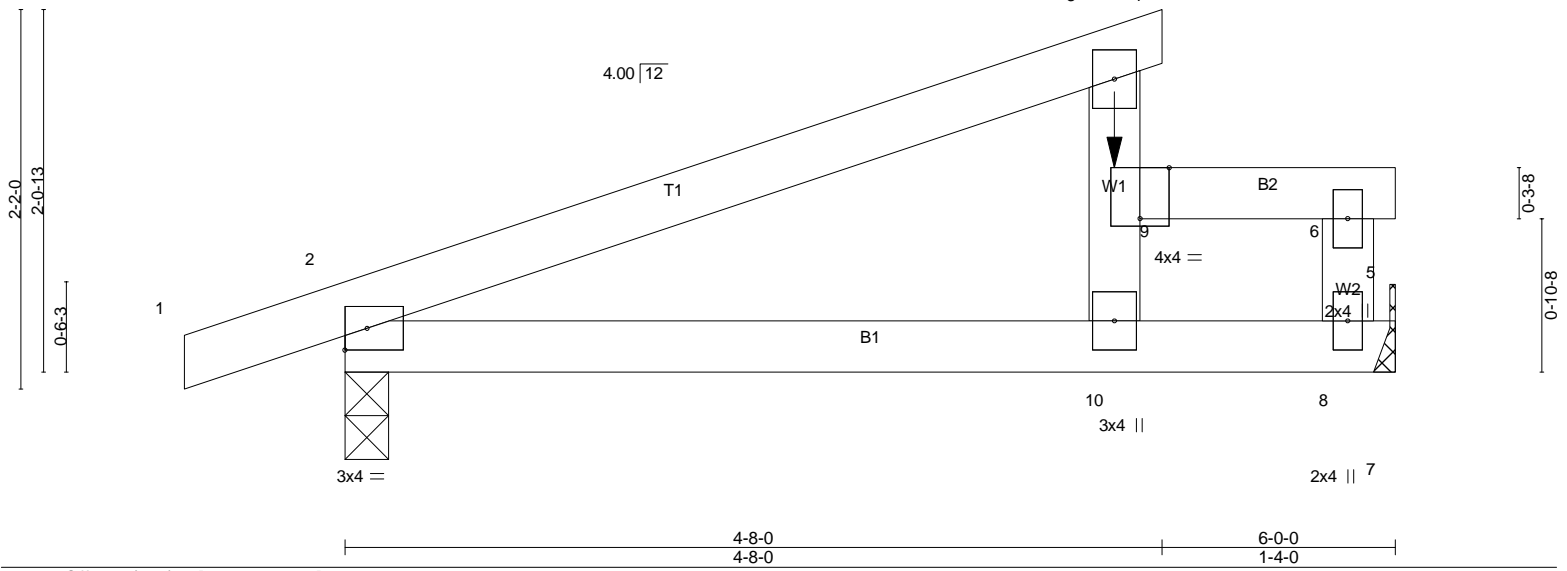
| | | | | | |
|------------|-------|--------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M03 | Roof Special | 1 | 2 | Job Reference (optional) |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:34 2023 Page 1
ID: JQb1gK2ne3CQdqy3dwnCxyStrD-aEkduVGSjomwjjbw?4uEoW9gHycCe4uO8?HFjyB32R



Scale = 1:13.2



| Plate Offsets (X,Y)-- [9:0-2-0,Edge] | | CSI. | | DEFL. | | | | PLATES | GRIP |
|--------------------------------------|----------------------|-------|----------|----------|-------|--------|------|---------------|----------|
| LOADING (psf) | SPACING- | 2-0-0 | TC | in | (loc) | l/defl | L/d | MT20 | 244/190 |
| TCLL 20.0 | Plate Grip DOL | 1.15 | 0.29 | Vert(LL) | -0.02 | 2-10 | >999 | | |
| TCDL 10.0 | Lumber DOL | 1.15 | 0.28 | Vert(CT) | -0.04 | 2-10 | >999 | | |
| BCLL 0.0 * | Rep Stress Incr | NO | 0.02 | Horz(CT) | 0.00 | 8 | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | NO | Matrix-S | Wind(LL) | 0.03 | 2-10 | >999 | | |
| | | | | | | | | Weight: 46 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals. Except: 10-0-0 oc bracing: 3-9
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=389/0-3-0 (min. 0-1-8), 8=614/Mechanical
 Max Horz 2=61(LC 8)
 Max Uplift 2=-63(LC 8), 8=-36(LC 12)
 Max Grav 2=389(LC 1), 8=644(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-470/186, 3-11=-389/196
 BOT CHORD 2-10=-242/402
 WEBS 6-8=-382/178

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 4-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . 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=-20, 2-7=-20, 6-9=-170, 5-6=-20

| | | | | | |
|------------|-------|--------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M03 | Roof Special | 1 | 2 | Job Reference (optional) |

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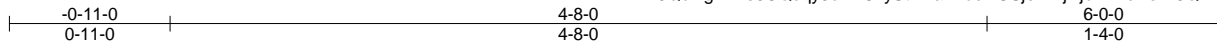
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 9--330

| | | | | | |
|------------|-------|--------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M04 | ROOF SPECIAL | 1 | 1 | Job Reference (optional) |

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Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:34 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-aEkduVGSjomwjwjbw?4uEoW6QHvICeyuO8?HFjyB32R



Scale = 1:13.2

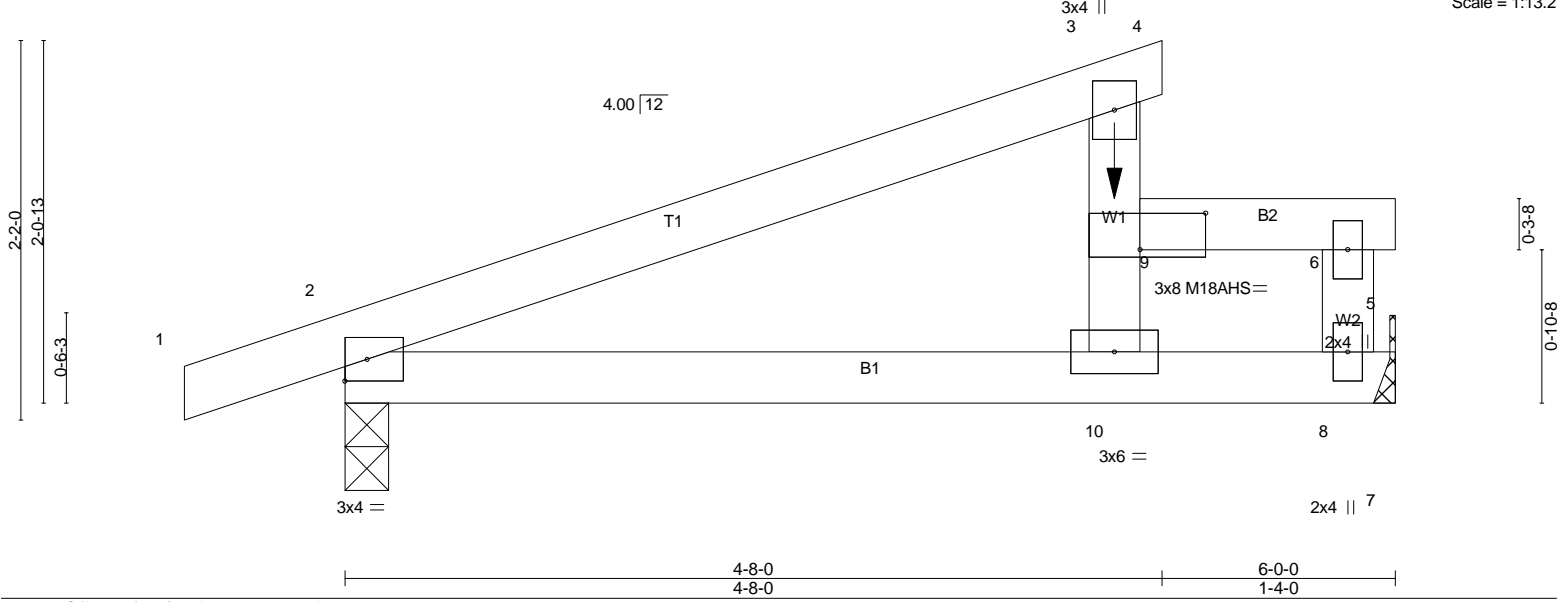


Plate Offsets (X,Y)-- [9:0-4-8,0-2-8]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.49 | Vert(LL) | -0.03 | 2-10 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.49 | Vert(CT) | -0.07 | 2-10 | >999 | M18AHS | 186/179 |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.03 | Horz(CT) | 0.00 | 8 | n/a | | |
| BCDL 10.0 | Rep Stress Incr NO | Matrix-S | Wind(LL) | 0.04 | 2-10 | >999 | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 23 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals. Except:
 6-0-0 oc bracing: 3-9
 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=367/0-3-0 (min. 0-1-8), 8=450/Mechanical
 Max Horz 2=61(LC 8)
 Max Uplift 2=-60(LC 8), 8=-10(LC 12)
 Max Grav 2=367(LC 1), 8=485(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-420/152, 3-11=-340/162
 BOT CHORD 2-10=-210/354
 WEBS 6-8=-263/96

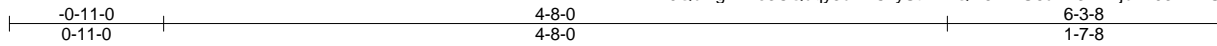
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 4-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). 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=-20, 2-7=-20, 6-9=-30, 5-6=-20
 Concentrated Loads (lb)
 Vert: 9=-330

| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M05GE | GABLE | 1 | 1 | Job Reference (optional) |

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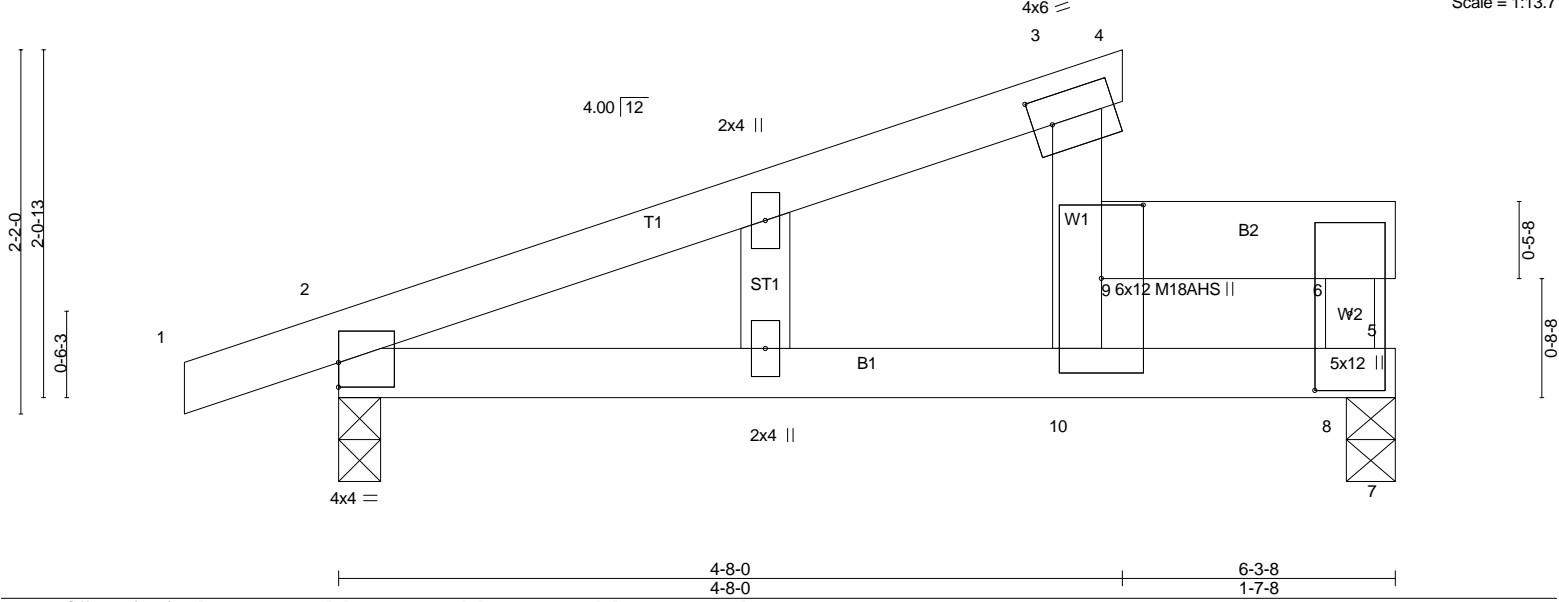


Plate Offsets (X,Y)-- [2:0-0-0,0-1-12], [3:0-1-6,0-2-0], [6:0-5-8,0-2-8], [10:0-5-4,0-3-0]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------------|----------|--------|-----|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.67 | Vert(LL) 0.07 | 2-10 | >963 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.38 | Vert(CT) -0.03 | 2-10 | >999 | 240 | M18AHS | 186/179 |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.11 | Horz(CT) -0.00 | 8 | n/a | n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 26 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1 *Except*
 B2: 2x6 SP No.1
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals. Except:
 6-0-0 oc bracing: 3-9
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-11-0 oc bracing: 2-10.

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

REACTIONS. (lb/size) 2=296/0-3-0 (min. 0-1-8), 8=189/0-3-8 (min. 0-1-8)
 Max Horz 2=88(LC 8)
 Max Uplift 2=184(LC 8), 8=168(LC 8)
 Max Grav 2=296(LC 1), 8=229(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-265/650, 3-13=-187/661, 9-10=-263/100
 BOT CHORD 2-14=-719/207, 10-14=-719/207
 WEBS 6-8=-162/603

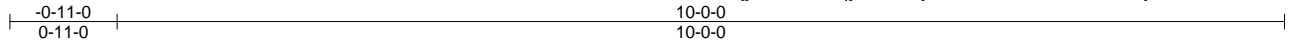
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-11-0 to 3-5-13, Exterior(2) 3-5-13 to 4-8-0 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=184, 8=168.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | M06GE | GABLE | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:35 2023 Page 1
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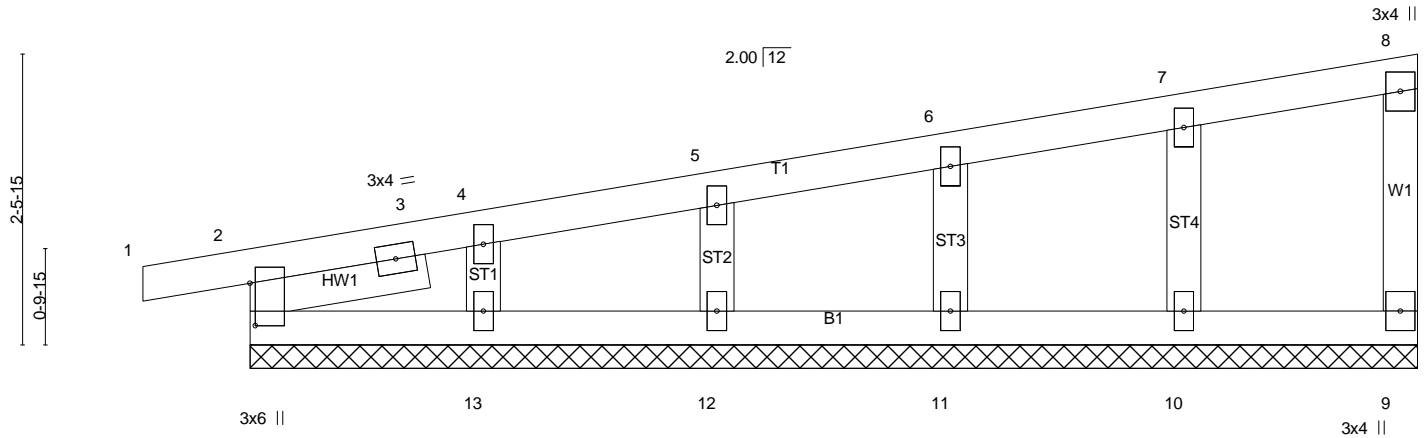


Plate Offsets (X,Y)-- [2:0-4-6,0-0-9]

| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|----------|----------------|----------|--------|-----|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.06 | Vert(LL) 0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.02 | Vert(CT) 0.00 | 1 | n/r | 120 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.03 | Horz(CT) -0.00 | 9 | n/a | n/a | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | | | | | | |
| | Code IRC2015/TPI2014 | | | | | | Weight: 43 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 1-6-11

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 10-0-0.
 (lb) - Max Horz 2=87(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 9, 2, 10, 11, 12, 13
 Max Grav All reactions 250 lb or less at joint(s) 9, 2, 10, 11, 12, 13

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

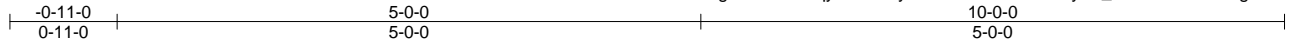
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-0 to 3-5-13, Exterior(2) 3-5-13 to 9-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2, 10, 11, 12, 13.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

| | | | | | |
|------------|-------|------------|-----|-----|-------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | M07 | Monopitch | 7 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:36 2023 Page 1
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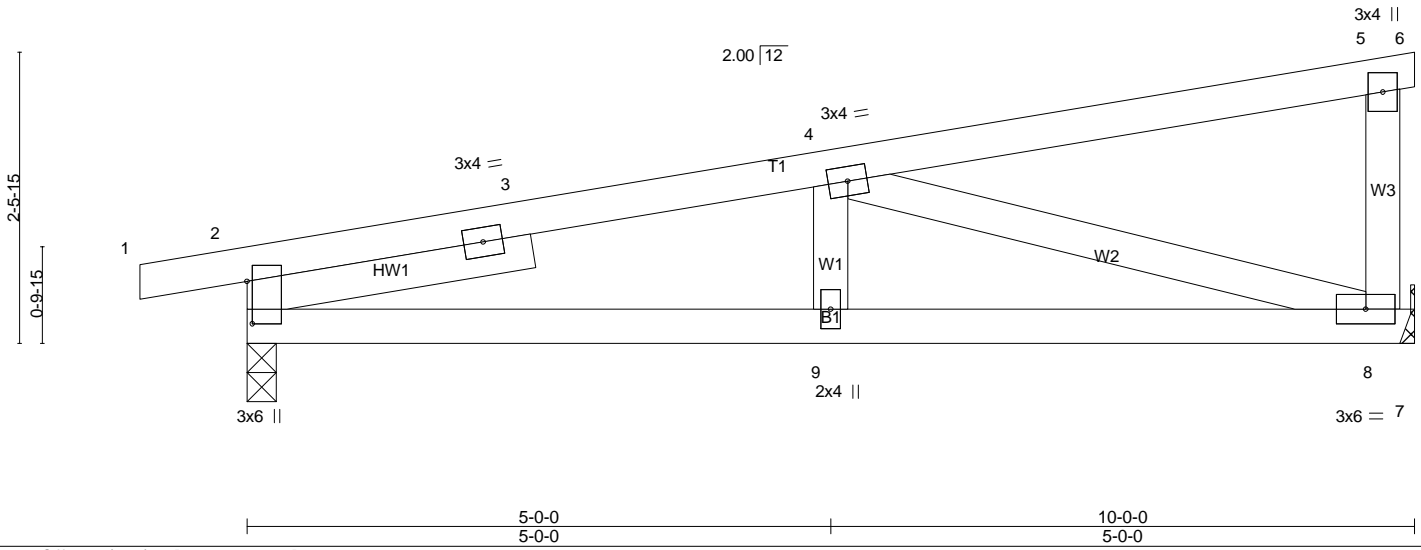


Plate Offsets (X,Y)-- [2:0-4-6,0-0-9]

| 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) | 0.05 | 2-9 | >999 | 240 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.19 | Vert(CT) | -0.04 | 2-9 | >999 | 240 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.30 | Horz(CT) | 0.01 | 8 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | Weight: 46 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 2-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-9-9 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=398/Mechanical, 2=447/0-3-0 (min. 0-1-8)
 Max Horz 2=62(LC 12)
 Max Uplift 8=-157(LC 8), 2=-177(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-800/772, 3-10=-760/775, 4-10=-739/779
 BOT CHORD 2-9=-819/738, 8-9=-819/738
 WEBS 4-8=-709/778, 4-9=-255/203

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 10-0-0 zone; porch left 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 30.0psf 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) except (jt=lb) 8=157, 2=177.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | VA1 | GABLE | 1 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:36 2023 Page 1
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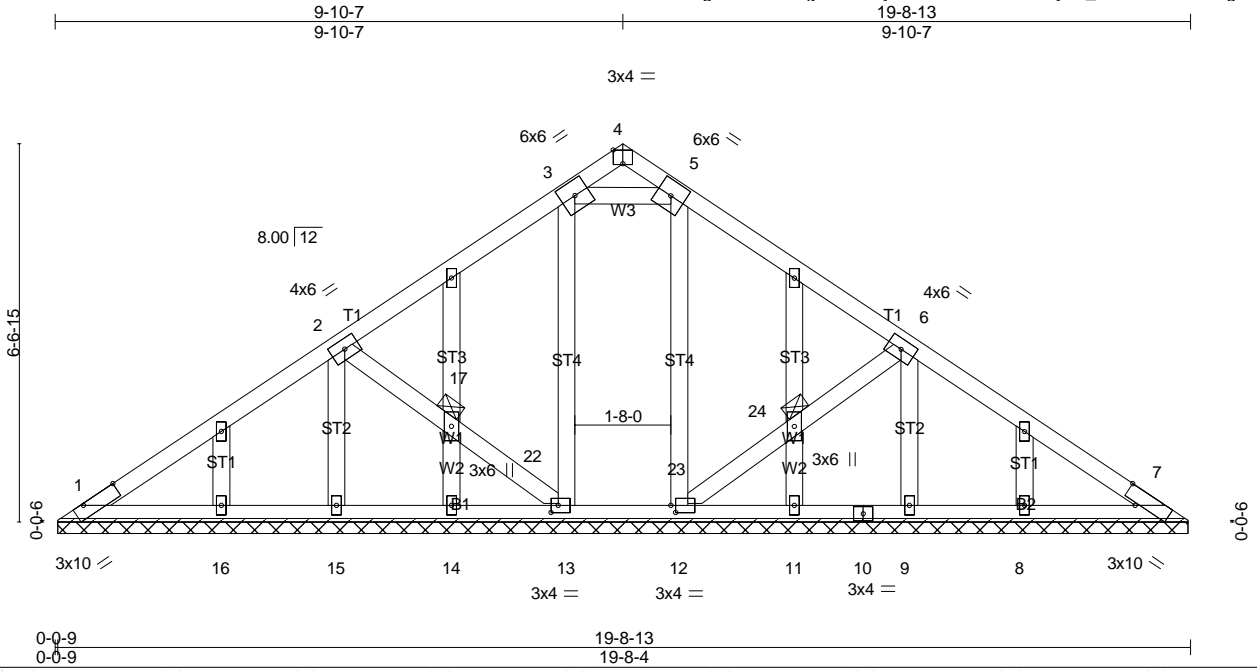


Plate Offsets (X,Y)-- [1:0-7-10,Edge], [4:0-2-0,Edge], [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-2-15,Edge], [12:0-1-0,0-1-8], [13:0-1-8,0-1-8], [20:0-0-1,0-0-0], [21:0-0-1,0-0-0], [24:0-0-0,0-0-0]

| 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) | n/a | - | n/a | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.50 | Vert(CT) | n/a | - | n/a | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.17 | Horz(CT) | 0.01 | 7 | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | | | | | |
| | | | | | | | | Weight: 119 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 17, 24

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

REACTIONS. All bearings 19-7-11.
 (lb) - Max Horz 1=188(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 9 except 1=163(LC 13), 7=163(LC 12), 16=133(LC 12), 8=133(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 13, 15, 16, 12, 9, 8, 14, 11 except 1=478(LC 1), 7=478(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-726/290, 2-25=-577/296, 3-25=-519/320, 3-4=-476/735, 4-5=-477/738, 5-26=-519/320, 6-26=-578/296, 6-7=-726/290
 BOT CHORD 1-16=-174/497, 15-16=-174/497, 14-15=-174/497, 13-14=-174/497, 12-13=-174/497, 11-12=-174/497, 10-11=-174/497, 9-10=-174/497, 8-9=-174/497, 7-8=-174/497
 WEBS 3-5=-1492/940

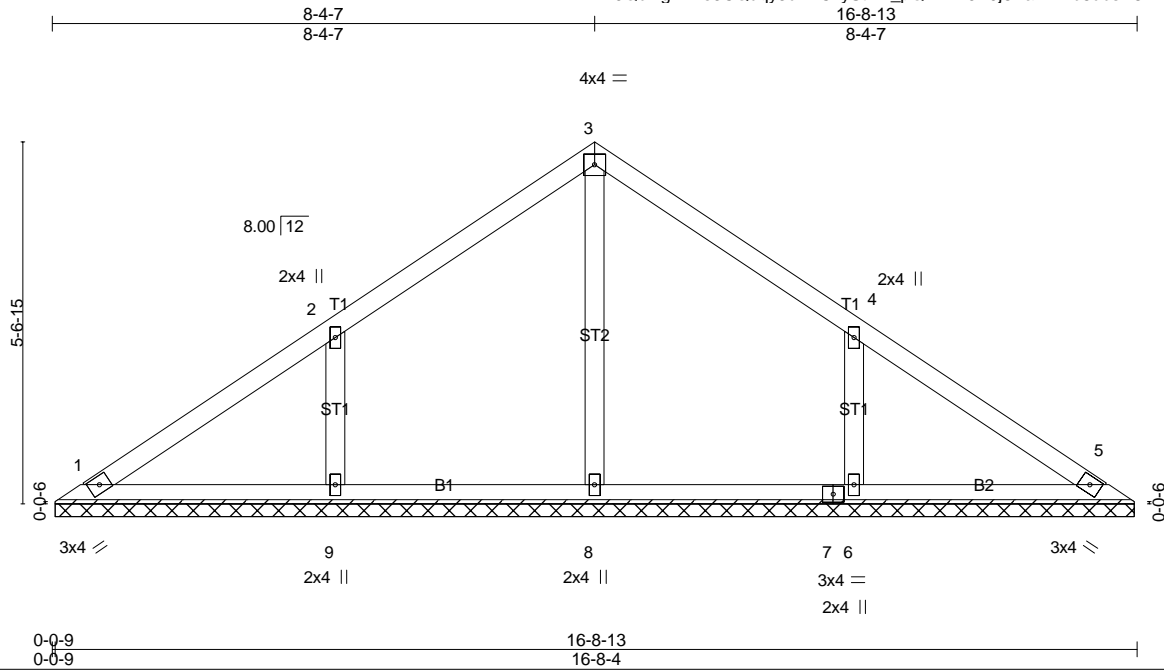
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-15 to 4-11-7, Interior(1) 4-11-7 to 9-10-7, Exterior(2) 9-10-7 to 14-3-3, Interior(1) 14-3-3 to 19-2-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 9 except (jt=lb) 1=163, 7=163, 16=133, 8=133.
 - 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 J1123-6813 | Truss VA2 | Truss Type Valley | Qty 1 | Ply 1 | Lot 38 Woodbridge South Job Reference (optional) |
|-------------------|--------------|----------------------|----------|----------|---|

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:37 2023 Page 1
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Scale = 1:35.5

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.17 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.13 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.08 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 5 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 67 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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 16-7-11.
(lb) - Max Horz 1=126(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-113(LC 12), 6=-112(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=392(LC 19), 9=419(LC 19), 6=419(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-334/216, 4-6=-334/216

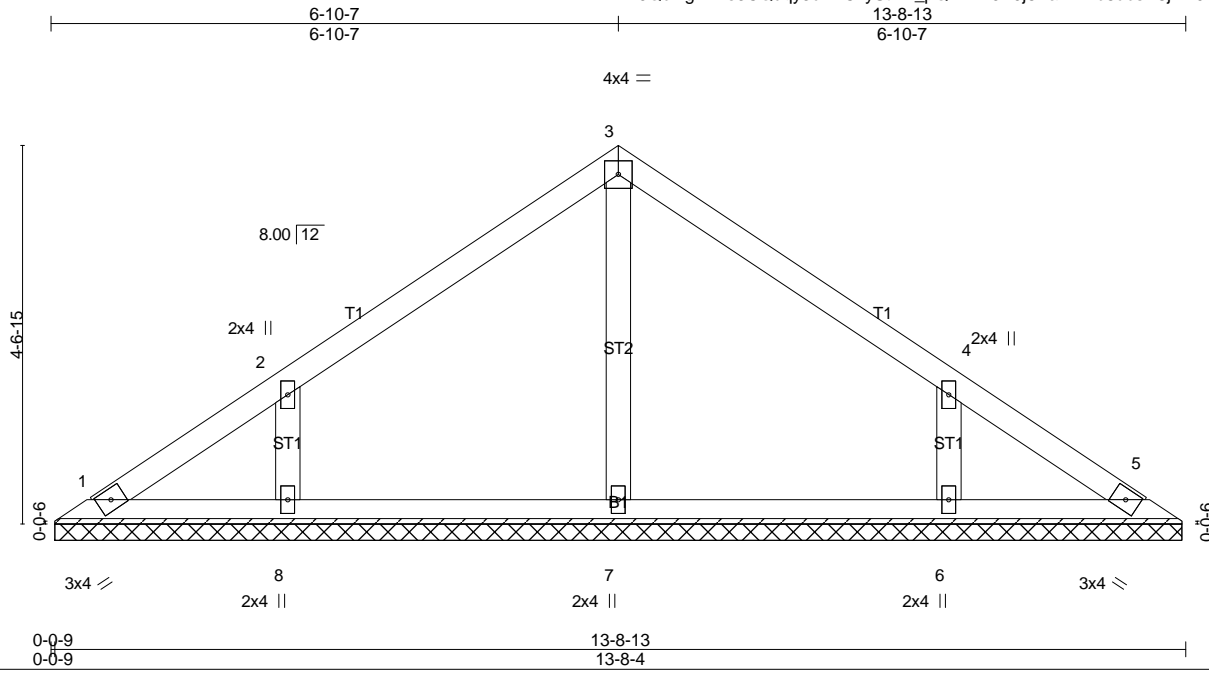
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-15 to 4-10-12, Interior(1) 4-10-12 to 8-4-7, Exterior(2) 8-4-7 to 12-9-3, Interior(1) 12-9-3 to 16-2-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=113, 6=112.
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 J1123-6813 | Truss VA3 | Truss Type Valley | Qty 1 | Ply 1 | Lot 38 Woodbridge South |
|-------------------|--------------|----------------------|----------|----------|-------------------------|

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:37 2023 Page 1
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Scale = 1:27.9

| | | | | | |
|----------------------|----------------------|-------------|-------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.13 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.09 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.06 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 5 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 53 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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 13-7-11.
(lb) - Max Horz 1=102(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=262(LC 1), 8=328(LC 19), 6=328(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-284/198, 4-6=-284/198

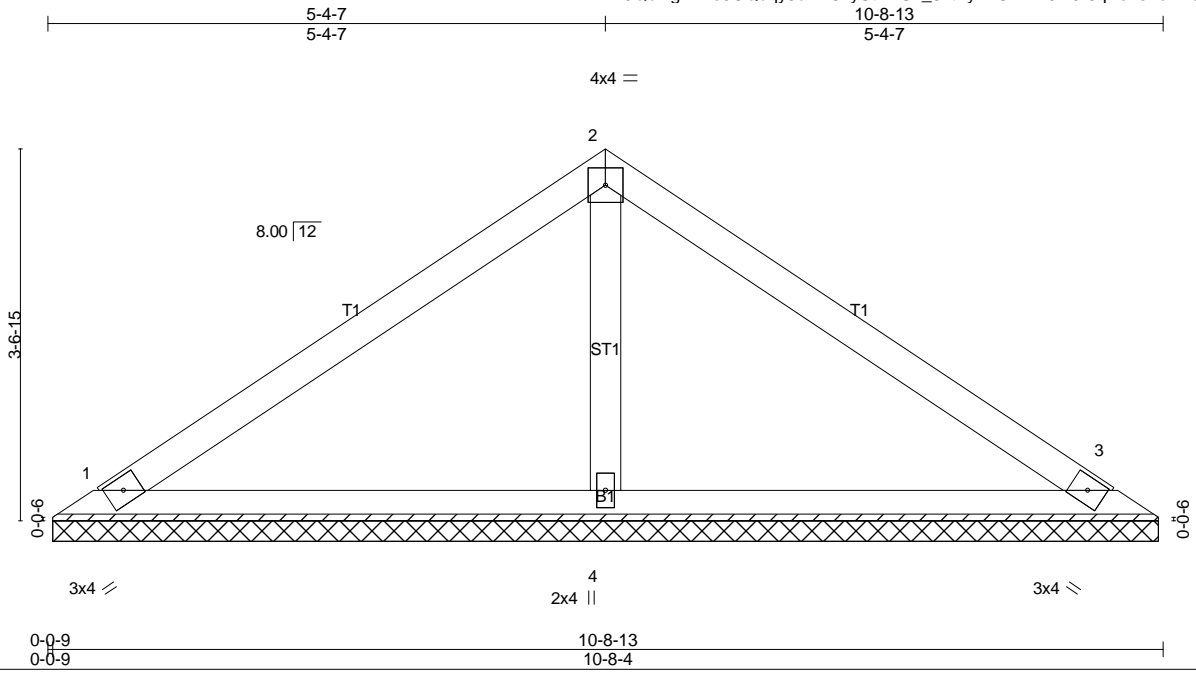
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-15 to 4-10-12, Interior(1) 4-10-12 to 6-10-7, Exterior(2) 6-10-7 to 11-3-3, Interior(1) 11-3-3 to 13-2-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 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 | Lot 38 Woodbridge South |
| J1123-6813 | VA4 | Valley | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:38 2023 Page 1
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Scale = 1:22.2

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.25 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.17 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.05 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 3 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 38 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=194/10-7-11 (min. 0-1-8), 3=194/10-7-11 (min. 0-1-8), 4=393/10-7-11 (min. 0-1-8)
Max Horz 1=-78(LC 8)
Max Uplift 1=-24(LC 12), 3=-32(LC 13)

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

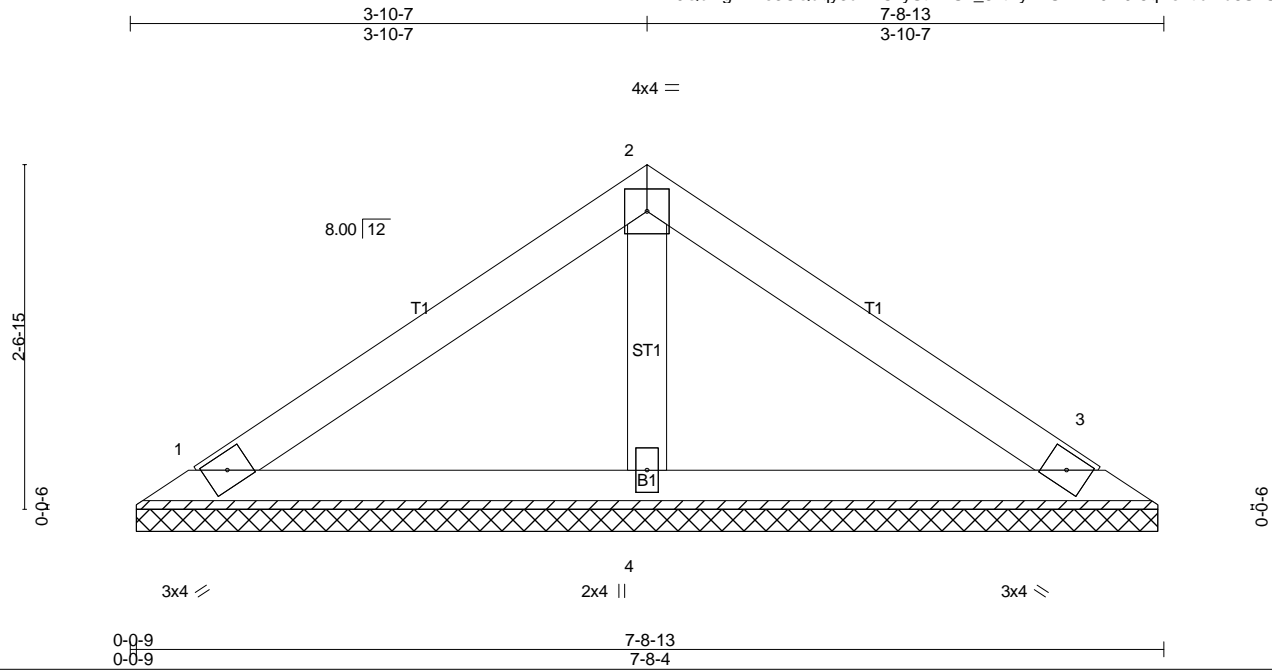
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-15 to 4-10-12, Interior(1) 4-10-12 to 5-4-7, Exterior(2) 5-4-7 to 9-9-3, Interior(1) 9-9-3 to 10-2-14 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | VA5 | Valley | 1 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:38 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-S?_8ktKyn1GMBX0M9r8qPehtiuMd8S1UJmzUOUyB32N



Scale = 1:17.2

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.16 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.08 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.02 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-P | Horz(CT) 0.00 3 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 26 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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=147/7-7-11 (min. 0-1-8), 3=147/7-7-11 (min. 0-1-8), 4=246/7-7-11 (min. 0-1-8)
Max Horz 1=-54(LC 8)
Max Uplift 1=-23(LC 12), 3=-28(LC 13)

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

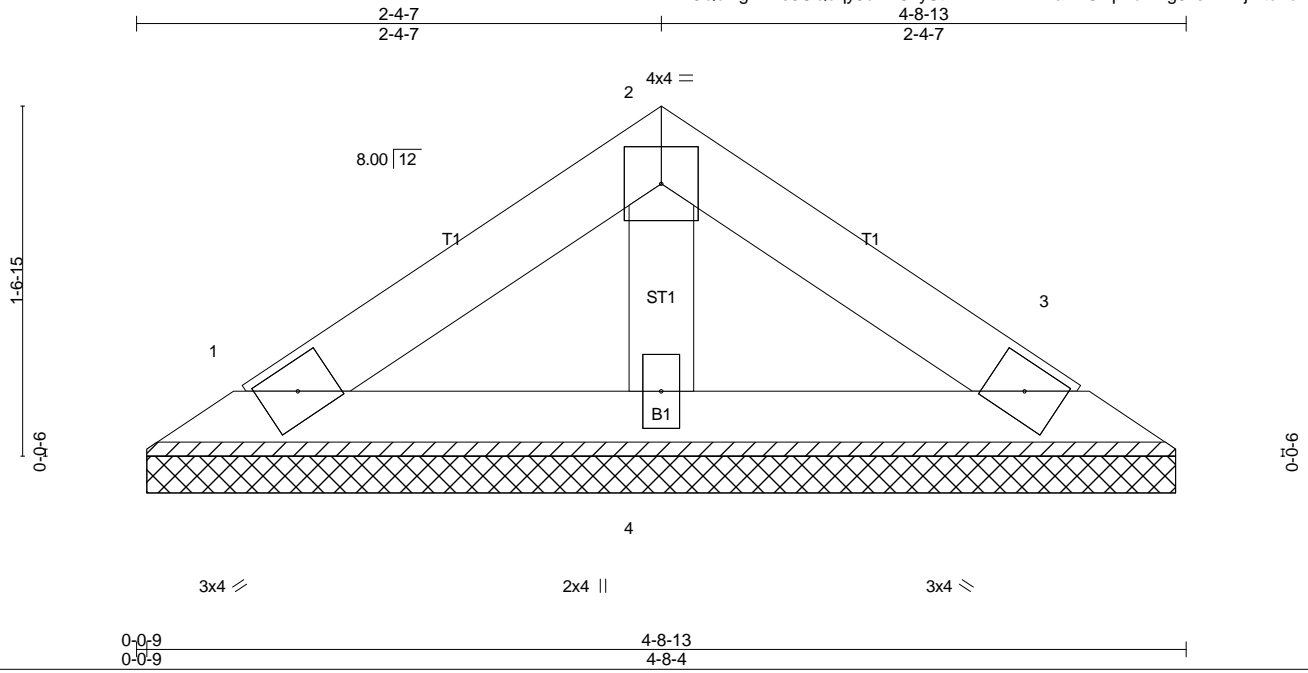
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 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 J1123-6813 | Truss VA6 | Truss Type Valley | Qty 1 | Ply 1 | Lot 38 Woodbridge South |
|-------------------|--------------|----------------------|----------|----------|-------------------------|

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:39 2023 Page 1
ID: JQb1igK2ne3CQdqy3dwnCxyStrD-wBYWxDKaYLODphbZiZg3xsE4DlJmtuTdXQi2wwyB32M



Scale = 1:10.4

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.04 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.03 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.01 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-P | Horz(CT) 0.00 3 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 15 lb | FT = 20% |

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 4-8-13 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=82/4-7-11 (min. 0-1-8), 3=82/4-7-11 (min. 0-1-8), 4=137/4-7-11 (min. 0-1-8)
Max Horz 1=-30(LC 8)
Max Uplift1=-13(LC 12), 3=-16(LC 13)

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

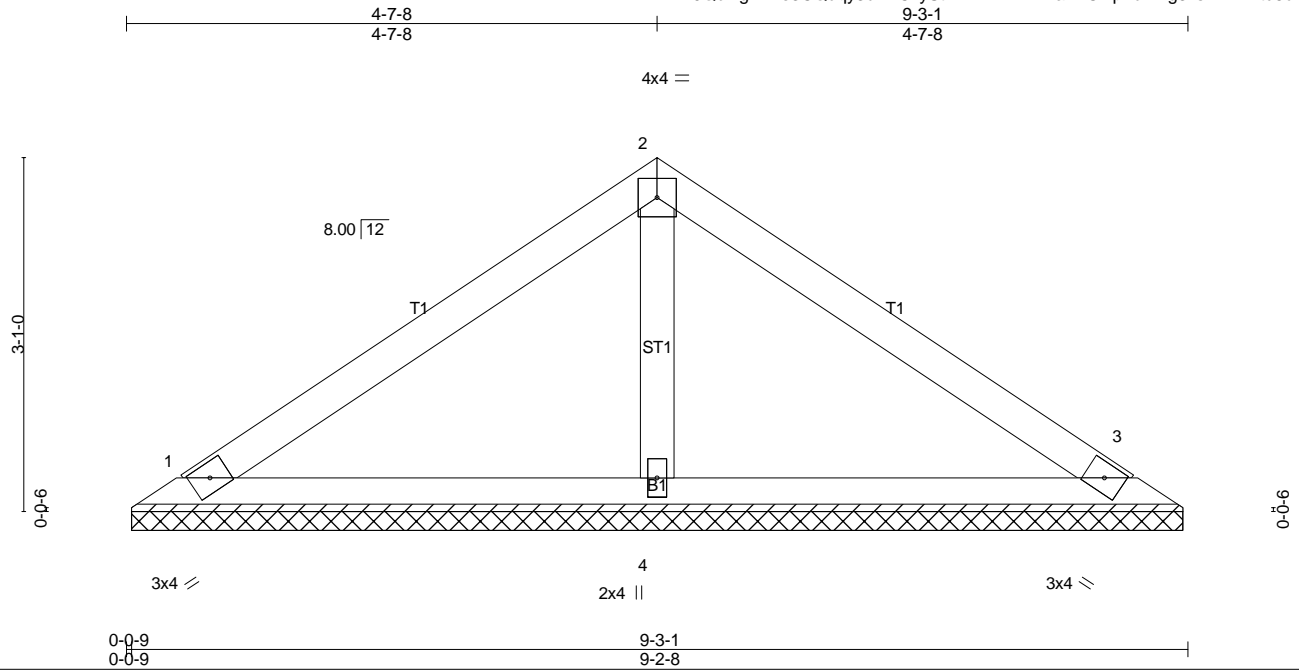
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 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 | Lot 38 Woodbridge South |
| J1123-6813 | VB1 | Valley | 1 | 1 | |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:39 2023 Page 1
 ID:JQb1igK2ne3CQdqy3dwnCxyStrD-wBYWxDKaYLODphbZiZg3xsE2AliDtu5dXQi2wwyB32M



Scale = 1:20.1

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.17 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.13 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.03 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-S | Horz(CT) 0.00 3 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 32 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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=164/9-1-15 (min. 0-1-8), 3=164/9-1-15 (min. 0-1-8), 4=333/9-1-15 (min. 0-1-8)
 Max Horz 1=-66(LC 8)
 Max Uplift 1=-20(LC 12), 3=-27(LC 13)

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

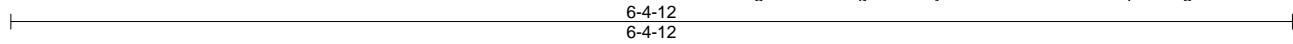
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 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

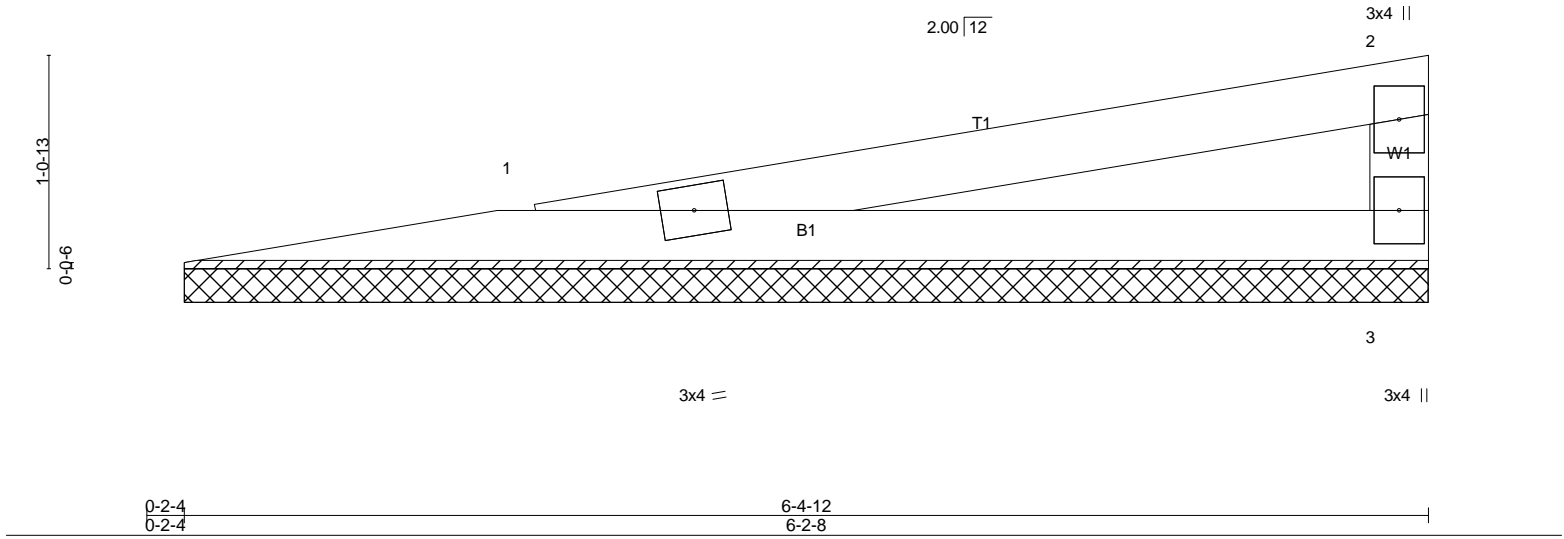
| | | | | | |
|------------|-------|------------|-----|-----|--------------------------|
| Job | Truss | Truss Type | Qty | Ply | Lot 38 Woodbridge South |
| J1123-6813 | VC1 | VALLEY | 1 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Johnnie Baggett

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri Dec 8 11:16:39 2023 Page 1
ID:JQb1igK2ne3CQdqy3dwnCxyStrD-wBYWxDKaYLODphbZiZg3xsE0sliQtuddXQi2wwyB32M



Scale = 1:11.5



| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|----------|--------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.26 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.11 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.00 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-P | Horz(CT) -0.00 1 n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 17 lb | FT = 20% |

| LUMBER- | BRACING- |
|-----------------------|--|
| TOP CHORD 2x4 SP No.1 | TOP CHORD Structural wood sheathing directly applied or 6-4-12 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.1 | BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS 2x4 SP No.2 | |

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

REACTIONS. (lb/size) 1=230/6-2-8 (min. 0-1-8), 3=164/6-2-8 (min. 0-1-8), 4=-30/6-2-8 (min. 0-1-8)
 Max Horz 4=24(LC 8)
 Max Uplift 3=-26(LC 8), 4=-59(LC 3)
 Max Grav 1=245(LC 3), 3=164(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;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 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
 - 5) Non Standard bearing condition. Review required.
 - 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