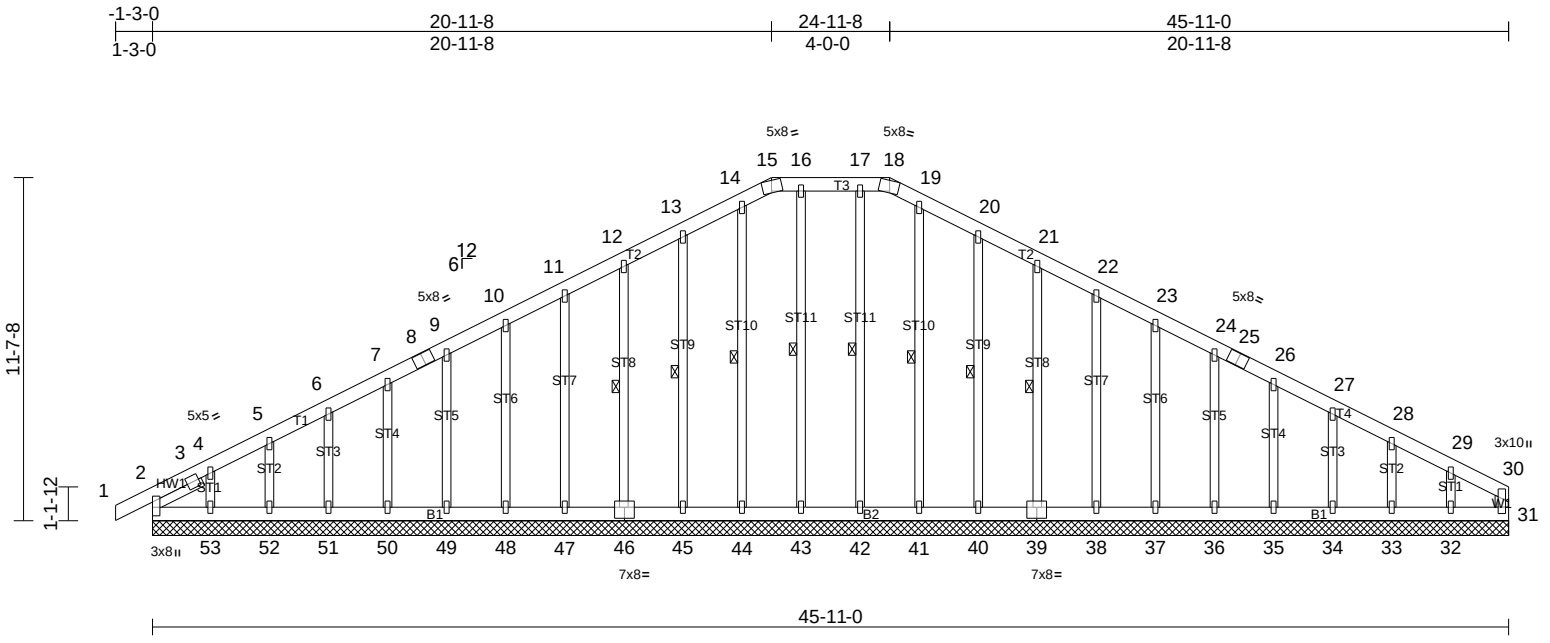
| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A1G | Piggyback Base Supported Gable | 2 | 1 | Job Reference (optional) |






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.08 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.05 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | 0.01 | 31 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 436 lb | FT = 20% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 |
| WEBS | 2x6 SP No.2 |
| OTHERS | 2x4 SP No.3 |
| SLIDER | Left 2x4 SP No.3 -- 1-11-0 |

**BRACING**

| | | |
|---|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 15-18. | |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. | |
| WEBS | 1 Row at midpt | 16-43, 17-42, 14-44, 13-45, 12-46, 19-41, 20-40, 21-39 |

**REACTIONS** All bearings 45-11-0.

(lb) - Max Horiz 2=191 (LC 14)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 33, 34, 35, 36, 37, 38, 39, 40, 43, 45, 46, 47, 48, 49, 50, 51, 52 except 32=-138 (LC 11), 53=-146 (LC 10)

Max Grav All reactions 250 (lb) or less at joint (s) 2, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53

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

TOP CHORD 12-13=-120/282, 13-14=-138/332, 14-15=-139/334, 15-16=-129/332, 16-17=-129/332, 17-18=-129/332, 18-19=-139/334, 19-20=-138/332, 20-21=-120/282

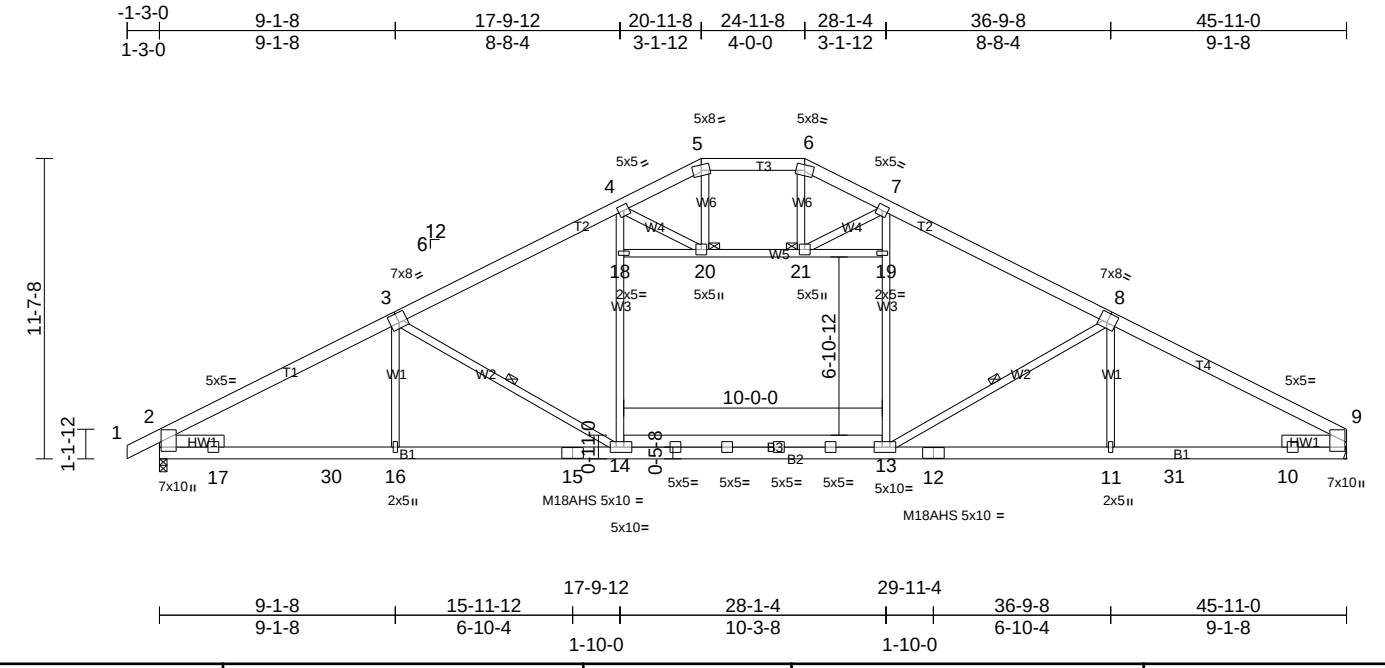
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x5 (||) MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 43, 45, 46, 47, 48, 49, 50, 51, 52, 40, 39, 38, 37, 36, 35, 34, 33, 2, 2 except (jt=lb) 53=145, 32=137.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A2 | Attic | 6 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:11 — Page: 1

ID:JIuYI?SIEpJJRfGrY5trNEyMS2N-FyX4e_1lQFGD2PPhdHDwm0dL60v1xb8rwh0cVayKJdU




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.65 | Vert(LL) | -0.48 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.87 | Vert(CT) | -0.64 | 14-16 | >855 | 180 | M18AHS | 186/179 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.51 | Horz(CT) | 0.11 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | Attic | -0.34 | 13-14 | >361 | 360 | Weight: 370 lb | FT = 20% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.1 *Except* 14-13:2x6 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 4-14,7-13,18-19:2x4 SP No.2 |
| SLIDER | Left 2x6 SP No.2 -- 2-6-0, Right 2x6 SP No.2 -- 2-6-0 |

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-7 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |
| WEBS | 1 Row at midpt 3-14, 8-13 |
| JOINTS | 1 Brace at Jt(s): 20, 21 |

**REACTIONS** (lb/size) 2=1964/0-3-8, (min. 0-2-6), 9=1887/ Mechanical
Max Horiz 2=196 (LC 14)
Max Uplift 2=-196 (LC 10), 9=-170 (LC 11)
Max Grav 2=2028 (LC 2), 9=1964 (LC 2)

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

| | |
|---|---|
| TOP CHORD | 2-3=-3300/668, 3-4=-2866/631, 4-5=-1671/446, 5-6=-1450/407, 6-7=-1670/446, 7-8=-2867/632, 8-9=-3307/673 |
| BOT CHORD | 2-17=-433/623, 17-30=-473/2843, 16-30=-473/2843, 15-16=-474/2843, 14-15=-474/2843, 13-14=-254/2483, 12-13=-479/2850, 11-12=-479/2850, 11-31=-478/2850, 10-31=-478/2850, 9-10=-359/668 |
| WEBS | 3-14=-684/328, 14-18=-24/702, 4-18=-16/715, 13-19=-25/704, 7-19=-17/716, 8-13=-693/330, 20-21=-1033/295, 5-20=-145/630, 4-20=-1210/343, 6-21=-144/629, 7-21=-1210/344 |

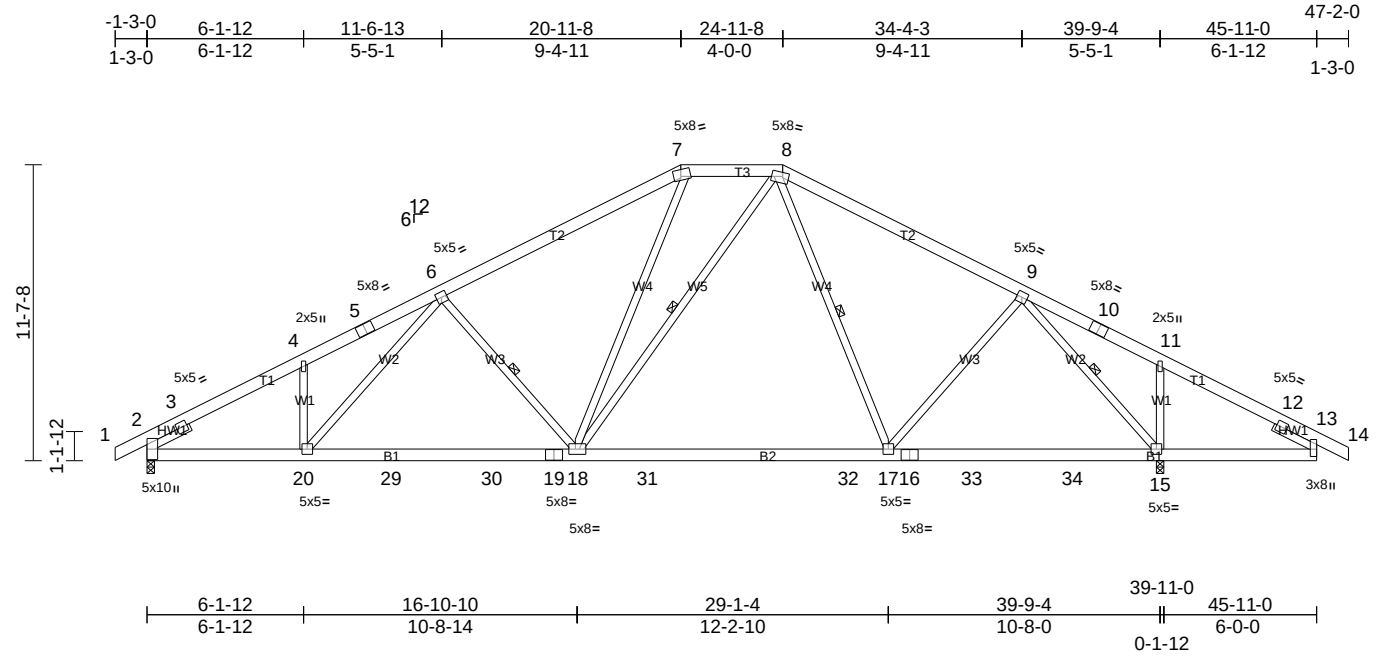
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 18-20, 20-21, 19-21
8) Bottom chord live load (30.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 170 lb uplift at joint 9.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A3 | Piggyback Base | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:13 Page: 1
ID:rwvSn52fTAcDRL4SUbnZPnyMS1b-BLfq3g3?ysWxHjZ4khGOrRigNpbPPQt8N?ViaTyKJdS







| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.67 | Vert(LL) | -0.22 | 17-18 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.87 | Vert(CT) | -0.38 | 17-18 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.06 | 15 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 351 lb | FT = 20% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 |
| WEBS | 2x4 SP No.3 |
| SLIDER | Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0 |

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-7 oc purlins, except 2-0-0 oc purlins (5-9-14 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-15. |
| WEBS | 1 Row at midpt 8-18, 8-17, 9-15, 6-18 |

**REACTIONS** (lb/size) 2=1616/0-3-8, (min. 0-1-15), 15=2207/0-3-8, (min. 0-2-10)
Max Horiz 2=-186 (LC 15)
Max Uplift 2=-218 (LC 10), 15=-262 (LC 11)

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

| | |
|---|---|
| TOP CHORD | 2-3=-524/59, 3-4=-2507/516, 4-5=-2384/592, 5-6=-2287/613, 6-7=-2041/542, 7-8=-1517/537, 8-9=-1597/396, 9-10=-217/546, 10-11=-243/415, 11-12=-387/564 |
| BOT CHORD | 2-20=-343/2133, 20-29=-304/2051, 29-30=-304/2051, 19-30=-304/2051, 18-19=-304/2051, 18-31=-13/1308, 31-32=-13/1308, 17-32=-13/1308, 16-17=-29/1021, 16-33=-29/1021, 33-34=-29/1021, 15-34=-29/1021, 13-15=-414/430 |
| WEBS | 11-15=-368/271, 8-18=-157/509, 9-17=0/527, 9-15=-2105/623, 7-18=-53/593, 6-18=-612/363 |

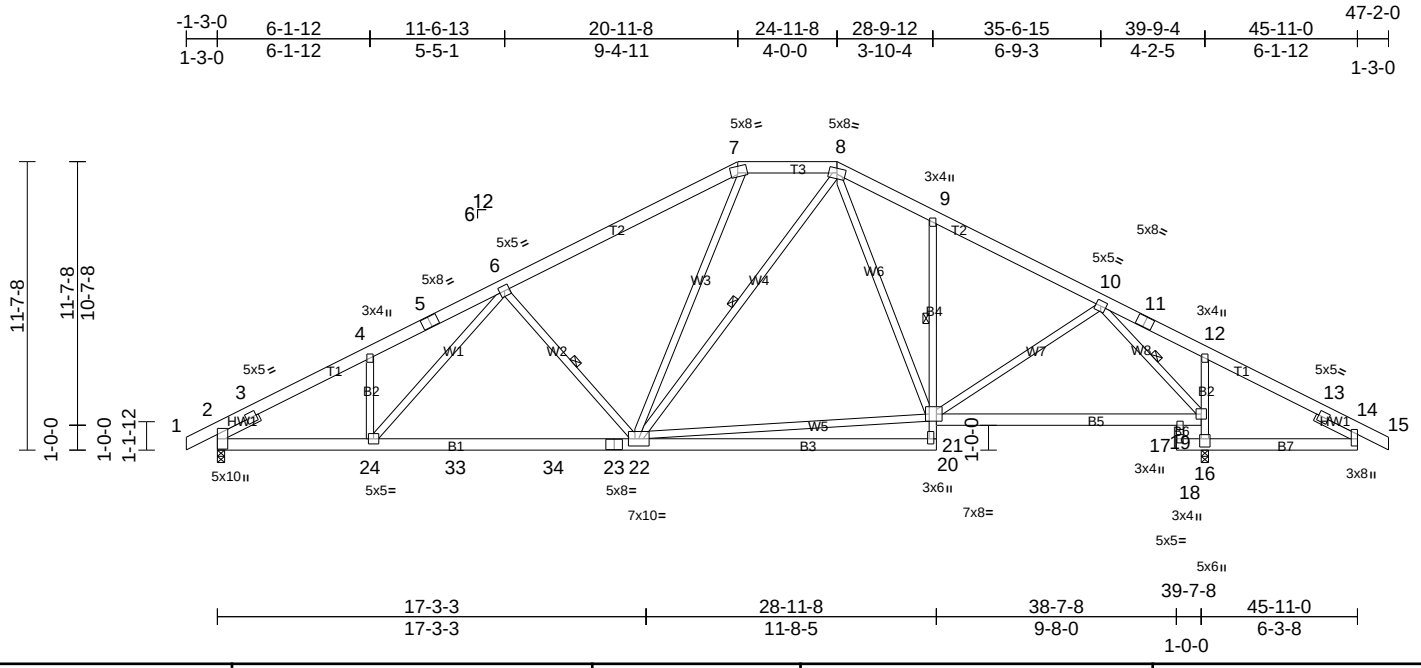
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 218 lb uplift at joint 2 and 262 lb uplift at joint 15.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A4T | Piggyback Base | 2 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:13 Page: 1
ID:4eyrgA9JLxlx0jGBV_RgGgyMS1S-BLfq3g3?ysWxHjZ4khGOrRihJpbzPUy8N?ViaTyKJdS




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.61 | Vert(LL) | -0.18 | 22-24 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.84 | Vert(CT) | -0.33 | 21-22 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.55 | Horz(CT) | 0.06 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 379 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
21-9,19-17,16-12,24-4:2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins, except
2-0-0 oc purlins (5-11-5 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,14-16.
1 Row at midpt 9-20
6-0-0 oc bracing: 12-16
WEBS 1 Row at midpt 10-18, 8-22, 6-22

**REACTIONS** (lb/size) 2=1616/0-3-8, (min. 0-1-15), 16=2207/0-3-8, (min. 0-2-10)
Max Horiz 2=-186 (LC 15)
Max Uplift 2=-218 (LC 10), 16=-262 (LC 11)

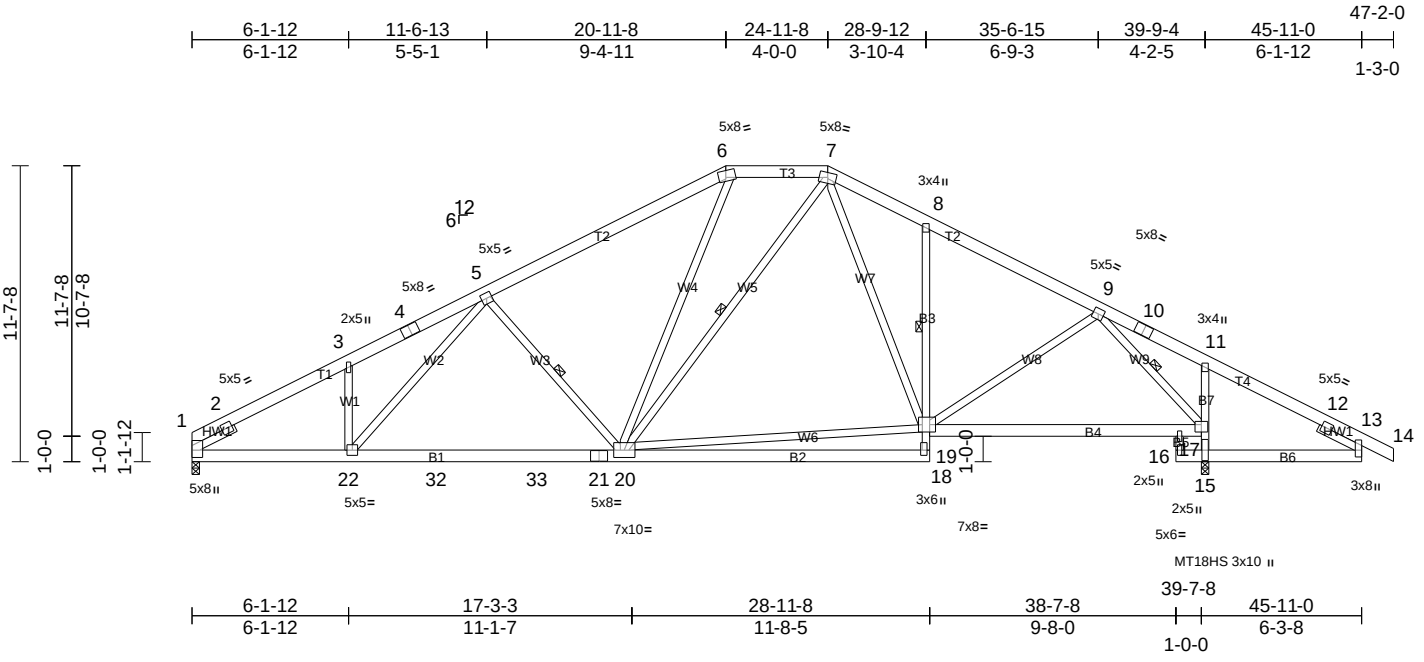
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-529/56, 3-4=-2424/520, 4-5=-2336/591, 5-6=-2219/612, 6-7=-1911/536, 7-8=-1450/545, 8-9=-1602/511, 9-10=-1626/373, 10-11=-331/549, 11-12=-351/448, 12-13=-367/568
BOT CHORD 2-24=-347/2055, 24-33=-303/1973, 33-34=-303/1973, 23-34=-303/1973, 22-23=-303/1973, 9-20=-369/260, 19-20=-23/886, 18-19=-48/1098, 17-19=-403/117, 14-16=-409/416, 16-18=-1730/624, 12-18=-395/269
WEBS 7-22=-14/521, 10-20=-104/606, 10-18=-2036/668, 8-22=-160/439, 6-24=-59/251, 6-22=-614/364, 20-22=-14/1056, 8-20=-138/340

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 218 lb uplift at joint 2 and 262 lb uplift at joint 16.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A5T | Piggyback Base | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:14 — Page: 1

ID:voJ7xDE3xnV5kekLsEY4WxyMS1M-fXDCH04djAeovs8GIPndNeFs1DwD8wxIcfEG6vyKJdR




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.61 | Vert(LL) | -0.19 | 20-22 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.84 | Vert(CT) | -0.34 | 20-22 | >999 | 180 | MT18HS | 244/190 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.57 | Horz(CT) | 0.05 | 15 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 376 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 19-8,23-16:2x4 SP No.3, 11-15:2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins, except 2-0-0 oc purlins (5-11-3 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-15.
1 Row at midpt 8-18 2-8-0 oc bracing: 15-17
WEBS 1 Row at midpt 9-17, 7-20, 5-20

**REACTIONS** (lb/size) 1=1540/0-3-8, (min. 0-1-13), 15=2231/0-3-8, (min. 0-2-10)
Max Horiz 1=-196 (LC 11)
Max Uplift 1=-191 (LC 10), 15=-248 (LC 11)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-545/73, 2-3=-2452/526, 3-4=-2335/603, 4-5=-2219/624, 5-6=-1915/537, 6-7=-1453/547, 7-8=-1612/513, 8-9=-1636/376, 9-10=-358/619, 10-11=-378/517, 11-12=-387/630
BOT CHORD 1-22=-346/2082, 22-32=-304/1978, 32-33=-304/1978, 21-33=-304/1978, 20-21=-304/1978, 8-18=-371/261, 17-18=-28/858, 13-15=-453/429, 15-17=-2145/747, 11-17=-428/277
WEBS 6-20=-15/523, 9-18=-120/652, 9-17=-2101/692, 7-20=-161/437, 5-20=-615/367, 18-20=-5/1111, 7-18=-137/348

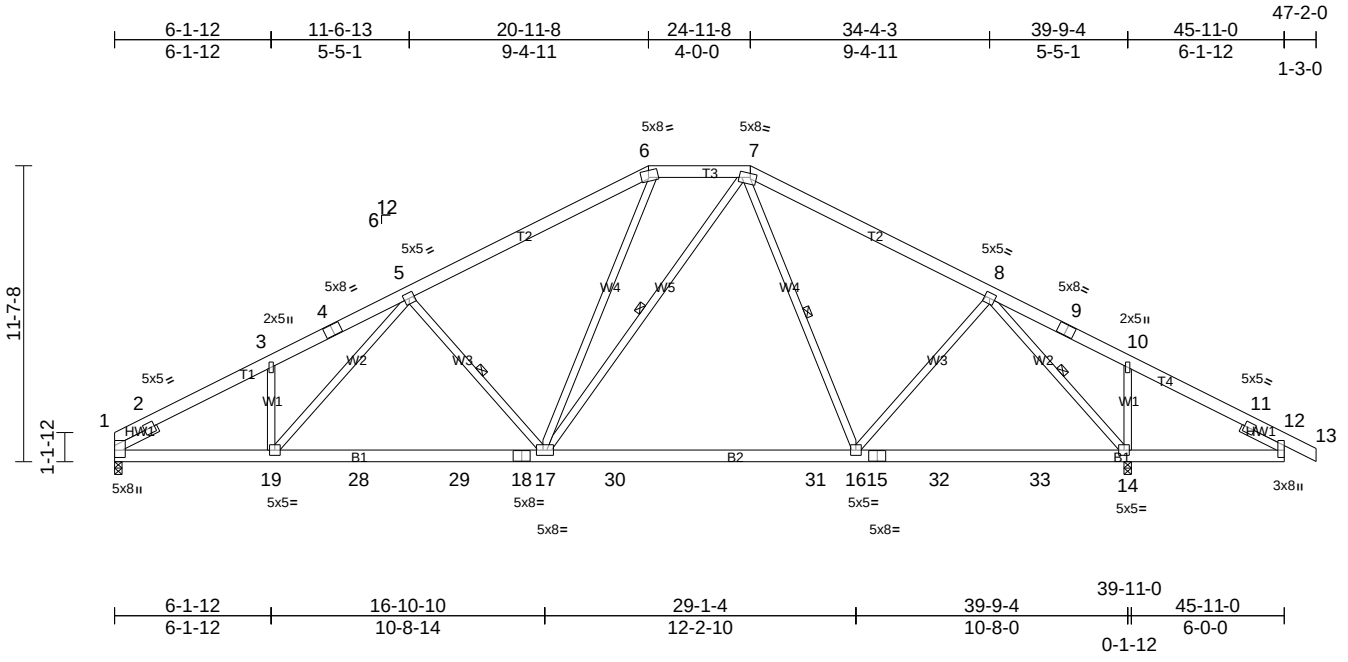
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 1 and 248 lb uplift at joint 15.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A6 | Piggyback Base | 4 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:15 — Page: 1

ID:Gm70_xIClJ8NrPcIfo8FD?yMS1H-8jmaUM4FUUmfW0jSs6Iswrn06dG3tJNRrJ_peMyKJdQ







| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.65 | Vert(LL) | -0.22 | 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.86 | Vert(CT) | -0.38 | 16-17 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.81 | Horz(CT) | 0.06 | 14 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 347 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except 2-0-0 oc purlins (5-9-13 max.): 6-7.
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 7-16, 8-14, 7-17, 5-17

**REACTIONS** (lb/size) 1=1540/0-3-8, (min. 0-1-13), 14=2208/0-3-8, (min. 0-2-10)
Max Horiz 1=-196 (LC 11)
Max Uplift 1=-191 (LC 10), 14=-262 (LC 11)
Max Grav 1=1545 (LC 2), 14=2208 (LC 1)

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

TOP CHORD 1-2=-545/76, 2-3=-2517/524, 3-4=-2397/602, 4-5=-2300/622, 5-6=-2044/543, 6-7=-1519/538, 7-8=-1599/397, 8-9=-217/546, 9-10=-243/415, 10-11=-387/564
BOT CHORD 1-19=-346/2144, 19-28=-305/2055, 28-29=-305/2055, 18-29=-305/2055, 17-18=-305/2055, 17-30=-14/1309, 30-31=-14/1309, 16-31=-14/1309, 15-16=-30/1022, 15-32=-30/1022, 32-33=-30/1022, 14-33=-30/1022, 12-14=-414/430
WEBS 10-14=-368/271, 6-17=-54/594, 8-16=0/528, 8-14=-2107/624, 7-17=-157/511, 5-17=-615/365

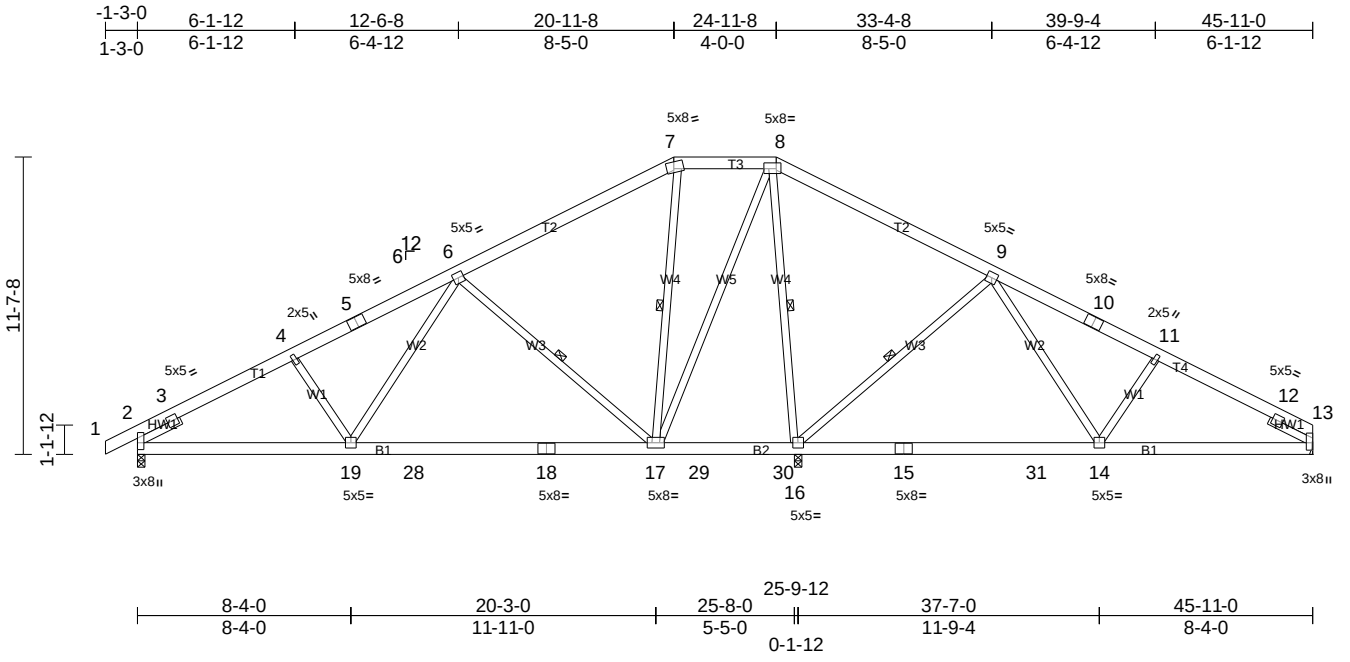
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 191 lb uplift at joint 1 and 262 lb uplift at joint 14.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A7 | Piggyback Base | 3 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:16 — Page: 1

ID:5wUHE_MzL9uXZK3S?2FfSGyMS1B-cwKyhi5tFnuW8AlfPqp5T3KFg1gAcjCa3zjMAoyKJdP







| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.41 | Vert(LL) | -0.19 | 17-19 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.61 | Vert(CT) | -0.35 | 17-19 | >892 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.97 | Horz(CT) | 0.02 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 349 lb | FT = 20% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 |
| WEBS | 2x4 SP No.3 |
| SLIDER | Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0 |

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 5-10-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 8-16, 9-16, 6-17, 7-17 |

**REACTIONS** (lb/size) 2=927/0-3-8, (min. 0-1-8), 13=584/ Mechanical, 16=2238/0-3-8, (min. 0-2-12)
Max Horiz 2=196 (LC 10)
Max Uplift 2=-170 (LC 10), 13=-127 (LC 11), 16=-132 (LC 11)
Max Grav 2=976 (LC 21), 13=634 (LC 22), 16=2340 (LC 2)

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

TOP CHORD 2-3=-263/0, 3-4=-1299/324, 4-5=-1135/318, 5-6=-995/340, 6-7=-330/228, 7-8=-199/271, 8-9=0/590, 9-10=-510/237, 10-11=-668/215, 11-12=-820/222

BOT CHORD 2-19=-305/1087, 19-28=-201/748, 18-28=-201/748, 17-18=-201/748, 17-29=-354/266, 29-30=-354/266, 16-30=-354/266, 15-16=-36/275, 15-31=-36/275, 14-31=-36/275, 13-14=-118/677

WEBS 8-16=-1523/344, 9-16=-787/364, 8-17=-228/1083, 6-17=-770/359, 7-17=-290/75, 6-19=-31/548, 9-14=-49/594, 11-14=-272/208

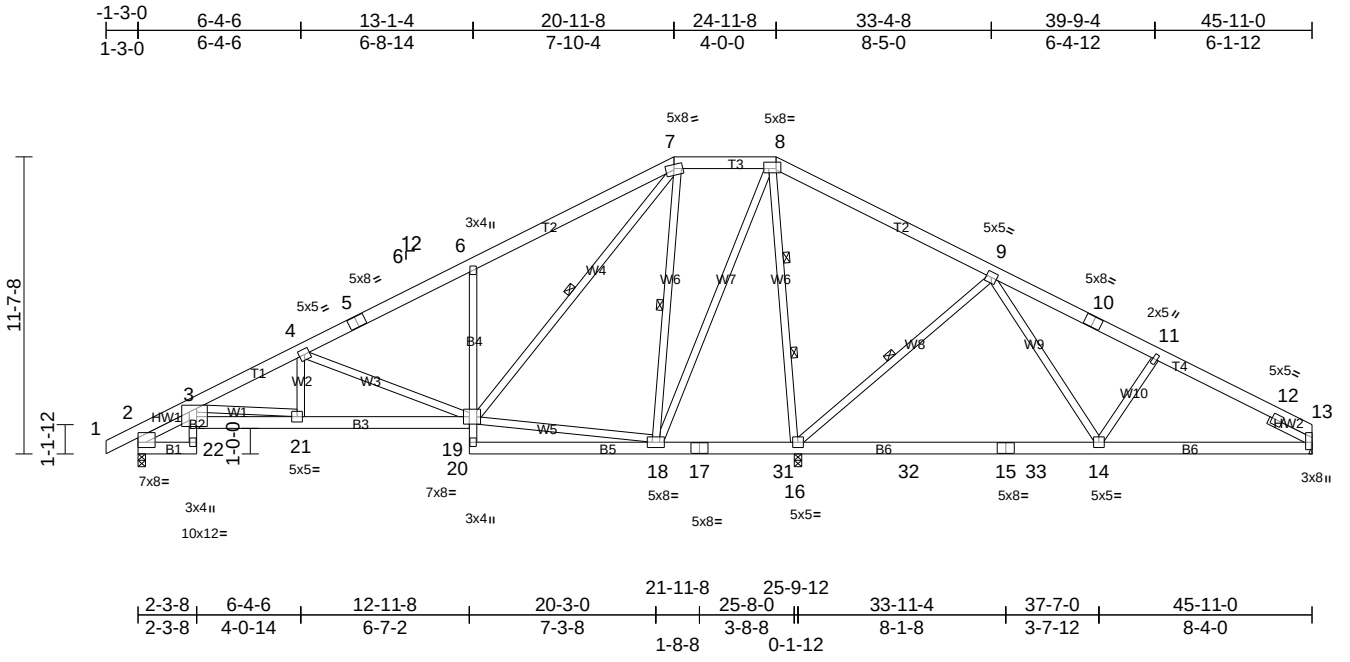
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 127 lb uplift at joint 13, 170 lb uplift at joint 2 and 132 lb uplift at joint 16.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | A8T | Piggyback Base | 7 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:16 — Page: 1

ID:dp1cIuA?ZlK05dhKQdyNgOyMS08-cwKyhi5tFnuW8AIfPqp5T3K6d1c8ckVa3zjMAoyKJdP







| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.99 | Vert(LL) | -0.15 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.87 | Vert(CT) | -0.24 | 14-16 | >997 | 180 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.95 | Horz(CT) | 0.13 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 378 lb | FT = 20% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP No.2 *Except* 22-3,6-19:2x4 SP No.3 |
| WEBS | 2x4 SP No.3 |
| SLIDER | Left 2x4 SP No.3 -- 2-3-12, Right 2x4 SP No.3 -- 1-11-0 |

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 5-2-13 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 9-16, 7-18, 7-20 |
| WEBS | 2 Rows at 1/3 pts 8-16 |

**REACTIONS** (lb/size) 2=723/0-3-8, (min. 0-1-8), 13=322/Mechanical, 16=2707/0-3-8, (min. 0-3-3)
Max Horiz 2=196 (LC 10)
Max Uplift 2=-92 (LC 10), 13=-174 (LC 11), 16=-301 (LC 10)
Max Grav 2=760 (LC 21), 13=512 (LC 22), 16=2707 (LC 1)

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

TOP CHORD 7-8=0/366, 2-3=-273/174, 3-4=-1211/275, 4-5=-506/159, 5-6=-346/191, 6-7=-531/382, 8-9=-136/1098, 9-10=-282/366, 10-11=-439/314, 11-12=-539/294

BOT CHORD 3-21=-247/1074, 20-21=-248/1083, 6-20=-471/334, 17-18=-762/378, 17-31=-762/378, 16-31=-762/378, 16-32=-515/219, 15-32=-515/219, 15-33=-515/219, 14-33=-515/219, 13-14=-224/482

WEBS 8-16=-1952/470, 9-16=-808/370, 7-18=-1002/298, 8-18=-293/1230, 9-14=-66/636, 11-14=-318/219, 18-20=-385/270, 7-20=-383/1057, 4-20=-766/229, 4-21=0/311

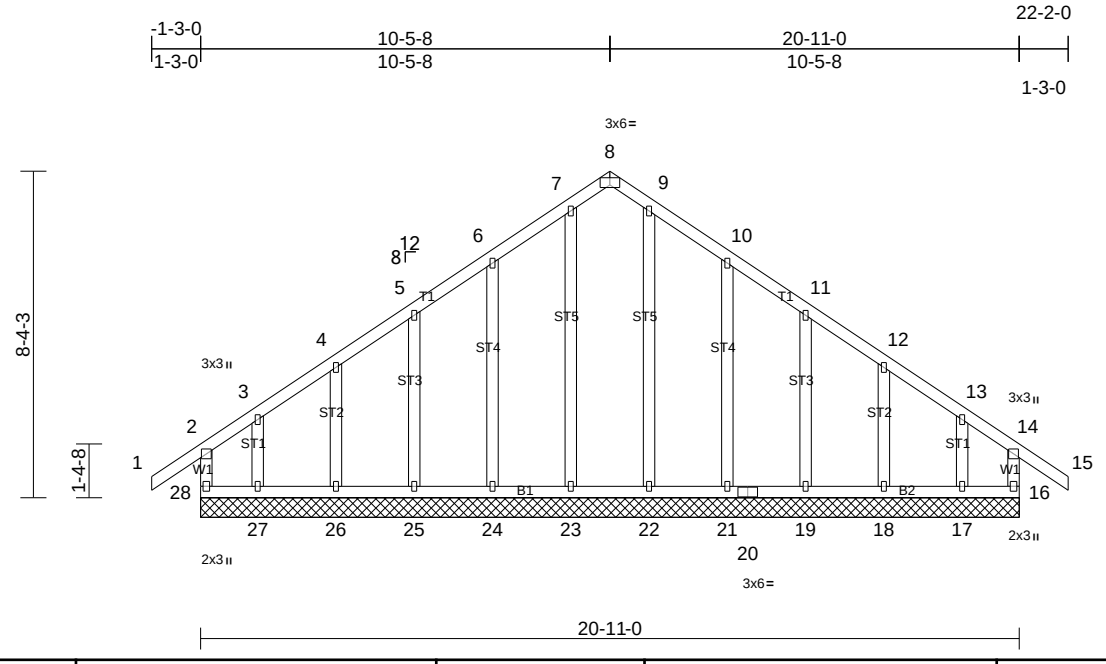
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 92 lb uplift at joint 2, 174 lb uplift at joint 13 and 301 lb uplift at joint 16.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | B1G | Common Supported Gable | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:17 — Page: 1

ID:9u?ffMN1ogLl05vPM_E7KmyMS?u-46uLv26V050NmKsrzXKK?GtTTQ8ELN9kIdTwjEyKJdO




20-11-0

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.21 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.11 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.15 | Horz(CT) | 0.00 | 16 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MR | | | | | | | Weight: 143 lb | FT = 20% |

**LUMBER**

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

**BRACING**

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

**REACTIONS** All bearings 20-11-0.

(lb) - Max Horiz 28=-235 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 18, 19, 21, 24, 25, 26 except 16=-111 (LC 7), 17=-151 (LC 11), 27=-158 (LC 10), 28=-135 (LC 6)

Max Grav All reactions 250 (lb) or less at joint (s) 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28

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

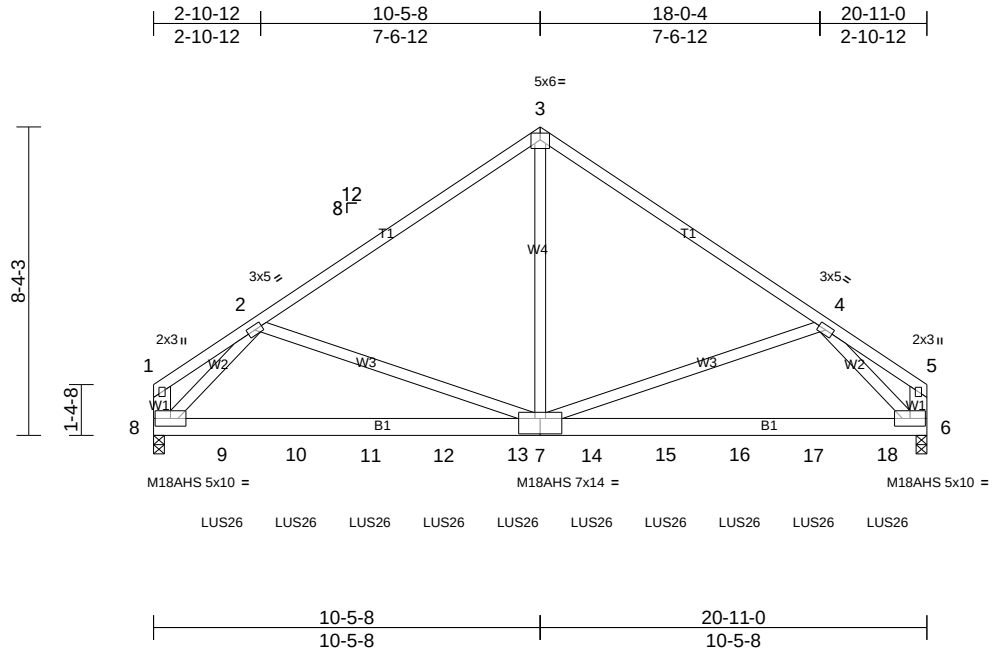
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 24, 25, 26, 21, 19, 18 except (jt=lb) 28=134, 16=110, 27=157, 17=150.
11) 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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | B2L | Common Girder | 1 | **2** | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:18 — Page: 1

ID:Od23YRUggRUTbT68ONuEBfyMS?l-46uLv26V050NmKsrzXKK?GtKeQygLGmkIdTwjEyKJdO




| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Loading** | (psf) | **Spacing** | 2-0-0 | **CSI** | | **DEFL** | in | (loc) | l/defl | L/d | **PLATES** | **GRIP** |
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.78 | Vert(LL) | -0.22 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.85 | Vert(CT) | -0.37 | 7-8 | >670 | 180 | M18AHS | 186/179 |
| BCLL | 0.0* | Rep Stress Incr | NO | WB | 0.63 | Horz(CT) | 0.02 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 272 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.3 *Except* 8-1,6-5:2x6 SP No.2

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

**REACTIONS** (lb/size) 6=3524/0-3-8, (min. 0-2-1), 8=3401/0-3-8, (min. 0-2-0)
Max Horiz 8=-209 (LC 4)
Max Uplift 6=-991 (LC 9), 8=-893 (LC 8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1305/316, 2-3=-3256/1003, 3-4=-3256/1003, 4-5=-1180/384, 1-8=-737/188, 5-6=-668/226
BOT CHORD 8-9=-801/2411, 9-10=-801/2411, 10-11=-801/2411, 11-12=-801/2411, 12-13=-801/2411, 7-13=-801/2411, 7-14=-741/2378, 14-15=-741/2378, 15-16=-741/2378, 16-17=-741/2378, 17-18=-741/2378, 6-18=-741/2378
WEBS 2-8=-2028/768, 4-6=-2136/709, 3-7=-929/3019, 2-7=-318/415, 4-7=-227/430

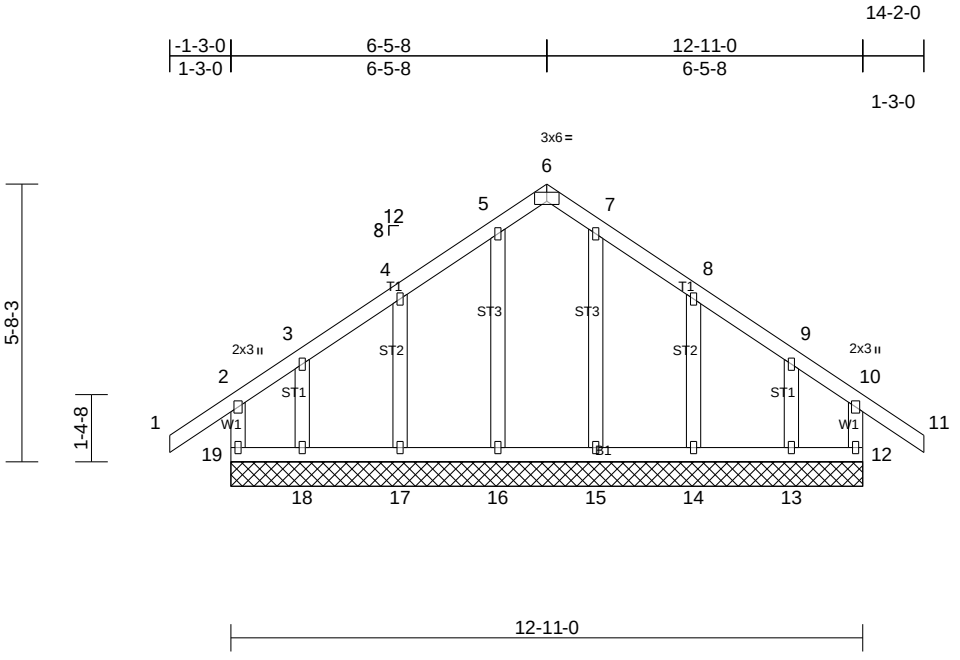
**NOTES**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 893 lb uplift at joint 8 and 991 lb uplift at joint 6.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 19-10-4 to connect truss(es) A7 (1 ply 2x6 SP), A8T (1 ply 2x6 SP), A7 (1 ply 2x6 SP) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-5=-60, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-614 (B), 10=-614 (B), 11=-492 (B), 12=-492 (B), 13=-492 (B), 14=-492 (B), 15=-492 (B), 16=-492 (B), 17=-492 (B), 18=-616 (B)

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | C1G | Common Supported Gable | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:18 Page: 1
ID:pHquSjLDyFQOcN1n2nguZeyMS_e-YISj6O78nP8ENUR1XFsZYUPf3qU14svtXHCTFgyKJdN




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.16 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.08 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MR | | | | | | | Weight: 78 lb | FT = 20% |

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

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

**REACTIONS** All bearings 12-11-0.
(lb) - Max Horiz 19=169 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 12, 13, 14, 17, 18, 19
Max Grav All reactions 250 (lb) or less at joint (s) 12, 13, 14, 15, 16, 17, 18, 19

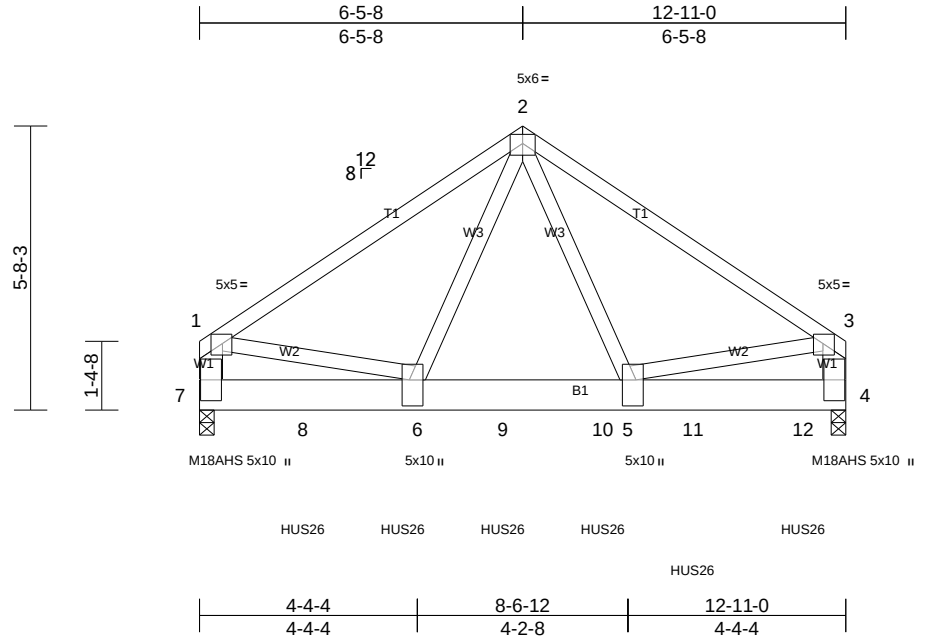
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 19, 12, 17, 18, 14, 13.
11) 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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | C2L | Common Girder | 1 | 2 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:18 — Page: 1

ID:AEenVQPLnn3hj9vkrKG3GhyMS_Z-YISj6O78nP8ENUR1XFsZYUPTqqJi4fptXHCTFgyKJdN




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.94 | Vert(LL) | -0.06 | 5-6 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.80 | Vert(CT) | -0.11 | 5-6 | >999 | 180 | M18AHS | 186/179 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.89 | Horz(CT) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 188 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3 *Except* 7-1,4-3:2x6 SP No.2

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

**REACTIONS** (lb/size) 4=6659/0-3-8, (req. 0-4-1), 7=5544/0-3-8, (min. 0-3-6)
Max Horiz 7=-141 (LC 4)
Max Uplift 4=-646 (LC 9), 7=-540 (LC 8)
Max Grav 4=6849 (LC 2), 7=5688 (LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6111/608, 2-3=-6220/618, 1-7=-4565/462, 3-4=-4620/467
BOT CHORD 7-8=-224/923, 6-8=-224/923, 6-9=-328/3754, 9-10=-328/3754, 5-10=-328/3754, 5-11=-167/948, 11-12=-167/948, 4-12=-167/948
WEBS 1-6=-403/4322, 3-5=-406/4302, 2-6=-303/3371, 2-5=-325/3612

**NOTES**
1) 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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 4 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 540 lb uplift at joint 7 and 646 lb uplift at joint 4.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Use Simpson Strong-Tie HUS26 (14-10d Girder, 6-10d Truss) or equivalent spaced at 2-2-8 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) A2 (1 ply 2x6 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

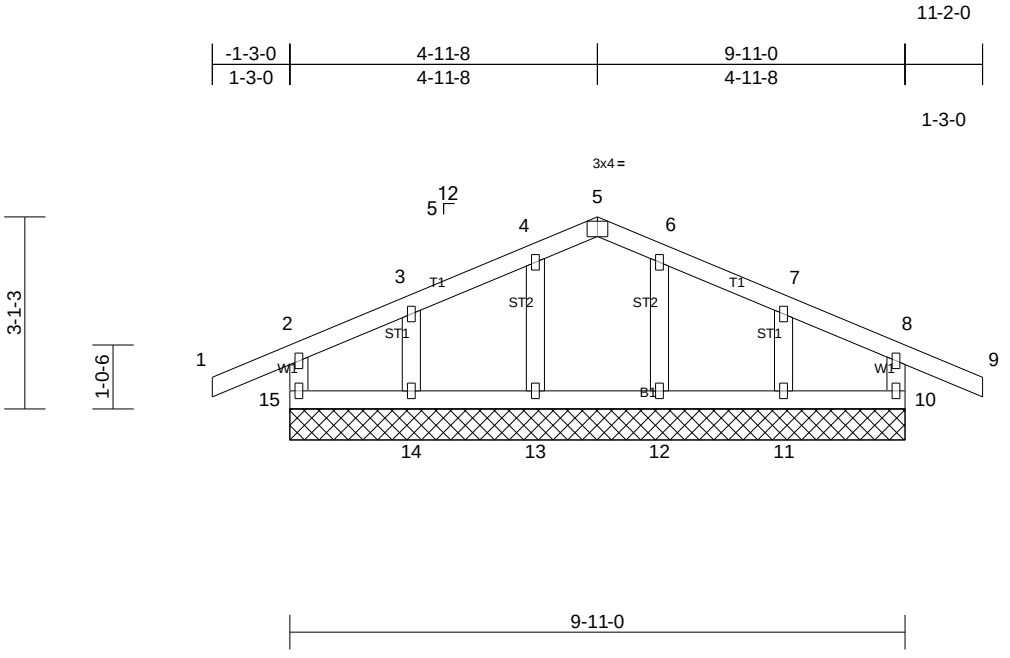
**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-60, 2-3=-60, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-1867 (B), 8=-1867 (B), 9=-1867 (B), 10=-1867 (B), 11=-1867 (B), 12=-1871 (B)

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | D1G | Common Supported Gable | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:19 ID:tRm?AfjHQ4SsSITxwVFOsOyMS_8-0V05Kj8mYiH5?e0E5yNo4hyqCEr1pJa1lxy1n7yKJdM






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.13 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MR | | | | | | | Weight: 47 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING**

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

**REACTIONS** All bearings 9-11-0.

(lb) - Max Horiz 15=23 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15
Max Grav All reactions 250 (lb) or less at joint (s) 10, 11, 12, 13, 14, 15

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

**NOTES**

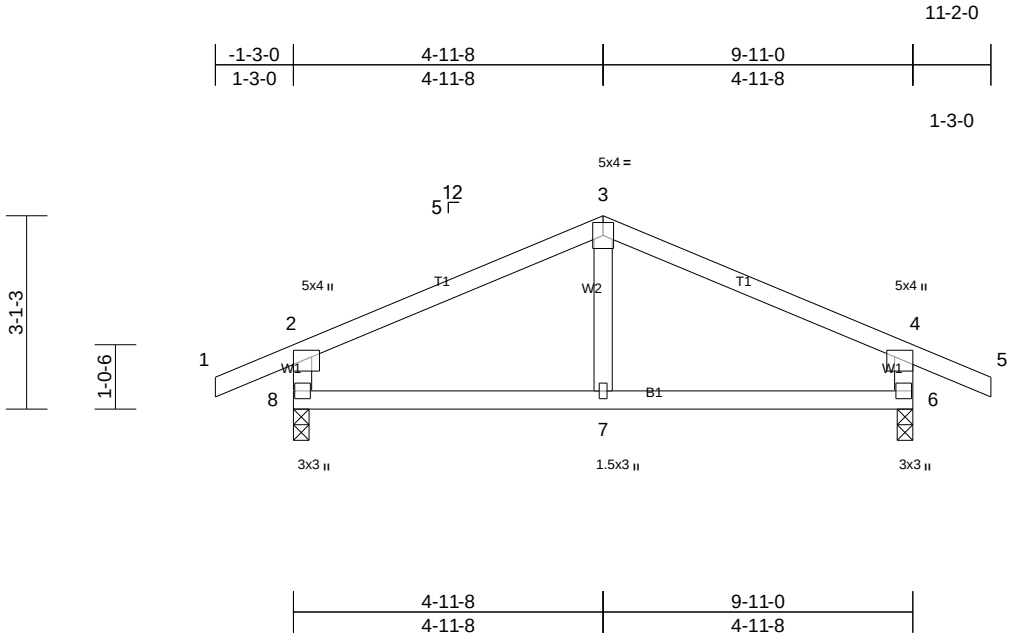
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 15, 10, 13, 12, 14, 11.
11) 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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | D2 | Common | 3 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:19 ID:6ApO3kqxIrba1hffyuvVkHyMS_?-0V05Kj8mYiH5?e0E5yNo4hyj8EnPpI11lxy1n7yKJdM






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.58 | Vert(LL) | 0.05 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.26 | Vert(CT) | -0.06 | 7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MR | | | | | | | Weight: 40 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 6=469/0-3-0, (min. 0-1-8), 8=469/0-3-0, (min. 0-1-8)
Max Horiz 8=-23 (LC 8)
Max Uplift 6=-146 (LC 7), 8=-146 (LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-408/397, 3-4=-408/397, 2-8=-398/347, 4-6=-398/347
BOT CHORD 7-8=-228/311, 6-7=-228/311

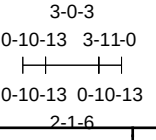
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 8 and 146 lb uplift at joint 6.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | PB1 | Piggyback | 2 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:19 Page: 1
ID:0yzvqcMvufRI6aDVe7FCbmyMS2U-0V05Kj8mYiH5?e0E5yNo4hyssEr2pJ11lxy1n7yKJdM


| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.03 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 10 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 2=122/2-1-6, (min. 0-1-8), 4=130/2-1-6, (min. 0-1-8)
Max Horiz 2=-14 (LC 11)
Max Uplift 2=-23 (LC 10), 4=-18 (LC 11)

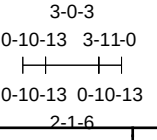
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 2, 4, 2, 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See standard piggyback truss connection detail for connection to base truss.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | PB2 | Piggyback | 6 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:20 Page: 1
ID:r6KA4fRgTVBSqVhf_NMcr1yMS2O-UhaTX38OI0PxdnbQegu1dvU1ceAHYmHA_bhaJZyKJdL


| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.03 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.03 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 10 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

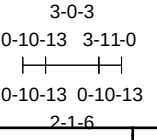
**REACTIONS** (lb/size) 2=122/2-1-6, (min. 0-1-8), 4=130/2-1-6, (min. 0-1-8)
Max Horiz 2=-14 (LC 11)
Max Uplift 2=-23 (LC 10), 4=-18 (LC 11)

**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 (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 2, 4, 2, 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See standard piggyback truss connection detail for connection to base truss.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | PB3 | Piggyback | 18 | 1 | Job Reference (optional) |




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.02 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.05 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.00 | Horiz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-P | | | | | | | Weight: 10 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

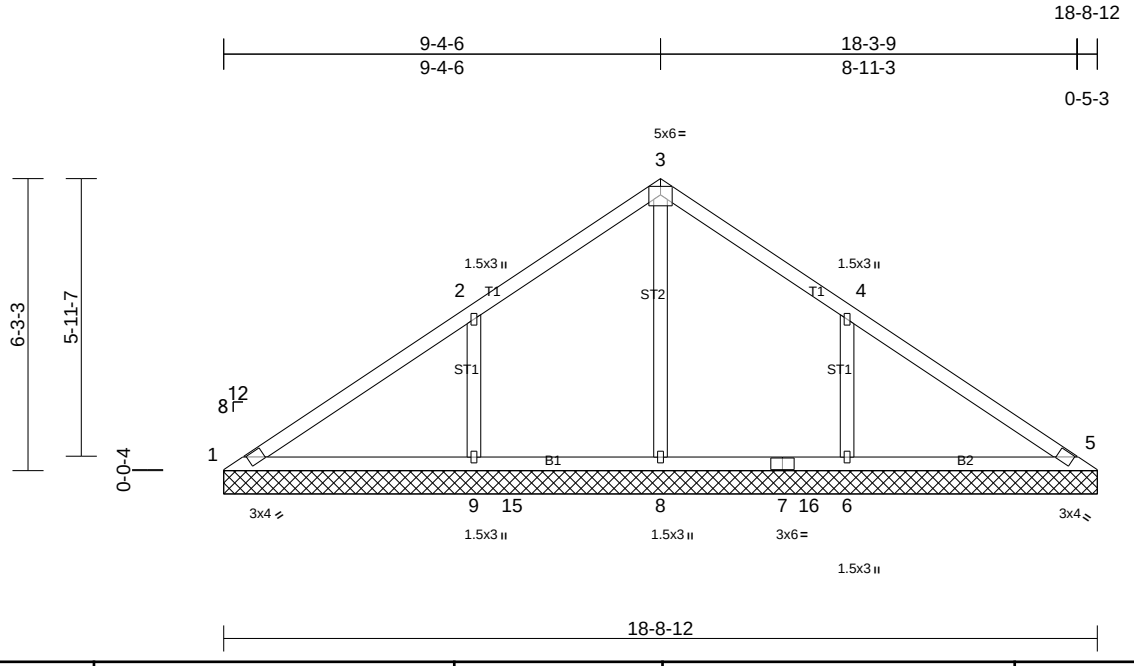
**REACTIONS** All bearings 4-0-0.
(lb) - Max Horiz 1=-14 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 2, 4
Max Grav All reactions 250 (lb) or less at joint (s) 1, 2, 4, 5

**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 (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 1, 2, 4.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) See standard piggyback truss connection detail for connection to base truss.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V1 | Valley | 1 | 1 | Job Reference (optional) |






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.37 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.24 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.34 | Horiz(TL) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 77 lb | FT = 20% |

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

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

**REACTIONS** All bearings 18-8-12.
(lb) - Max Horiz 1=150 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-176 (LC 11), 9=-182 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=501 (LC 18), 8=628 (LC 17), 9=507 (LC 17)

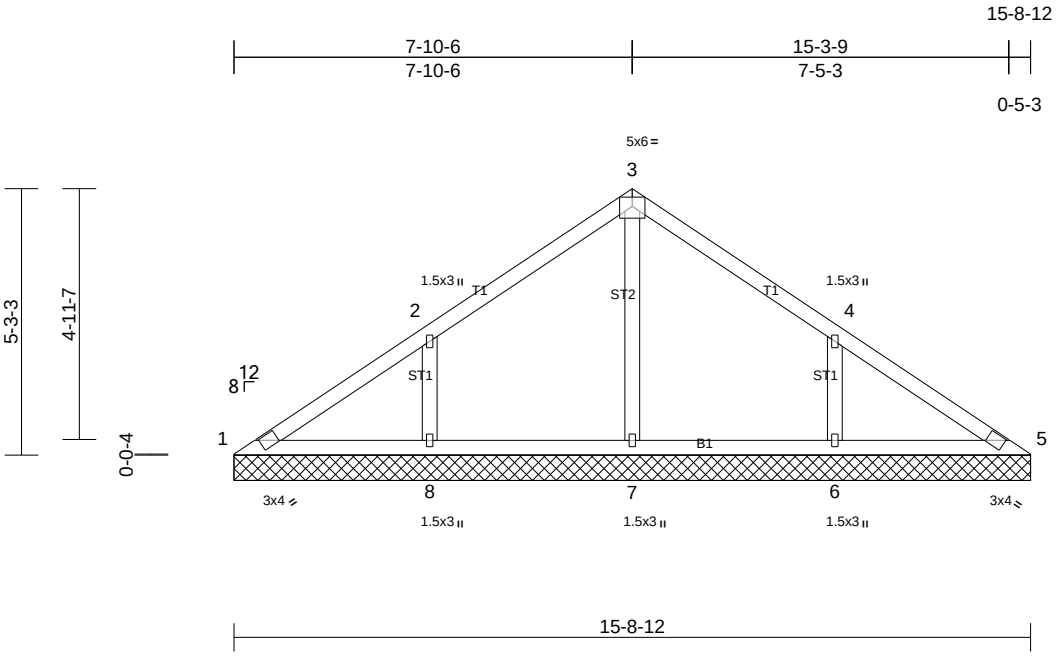
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-110/389, 2-3=0/334, 3-4=0/333, 4-5=-52/371
WEBS 3-8=-499/0, 2-9=-336/214, 4-6=-334/212

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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=181, 6=175.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V2 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:21 — Page: 1

ID:hQvruC9k184IsKXxJCvvbzyMS0A-yt8rIP903KXoExAcCNPG9619C2V5HBSKDFR7s?yKJdK




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.23 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horiz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 63 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**

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

**REACTIONS** All bearings 15-8-12.

(lb) - Max Horiz 1=-126 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-144 (LC 11), 8=-146 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=388 (LC 18), 7=342 (LC 1), 8=390 (LC 17)

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

WEBS 3-7=-273/12, 2-8=-285/180, 4-6=-284/180

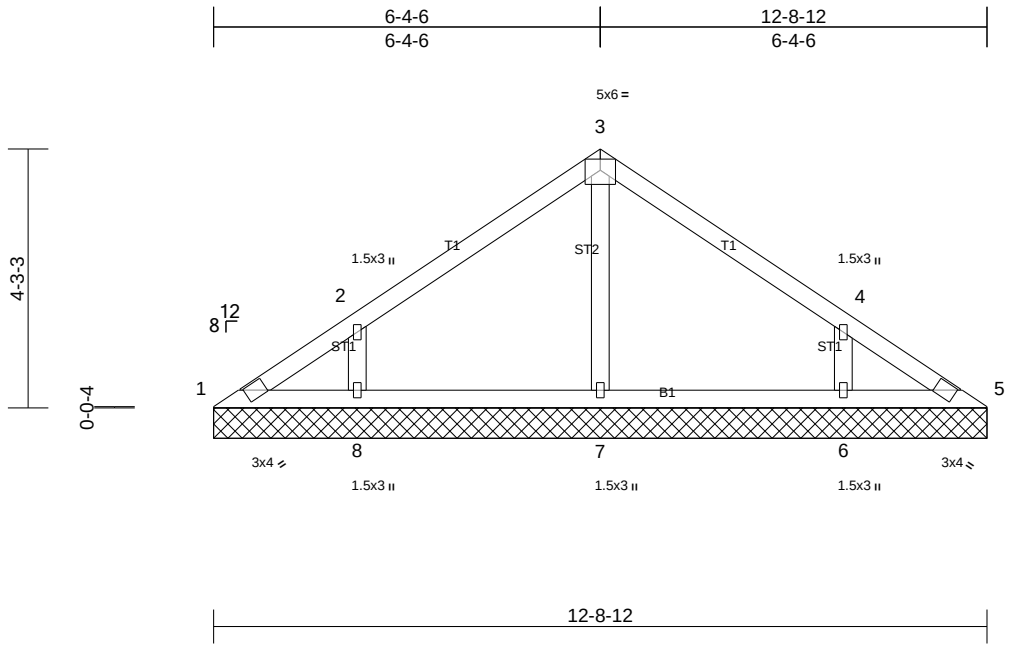
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 except (jt=lb) 8=145, 6=143.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V3 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter — Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:21 — Page: 1

ID:9cTE5YANoRC9UT68tvQ88AyMS09-yt8rlP903KXoExAcCNPG961Aq2V2HDYKDFR7s?yKJdK




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.19 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.06 | Horiz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 49 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**

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

**REACTIONS** All bearings 12-8-12.
(lb) - Max Horiz 1=101 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-120 (LC 11), 8=-122 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=324 (LC 18), 7=273 (LC 1), 8=327 (LC 17)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-260/171, 4-6=-259/170

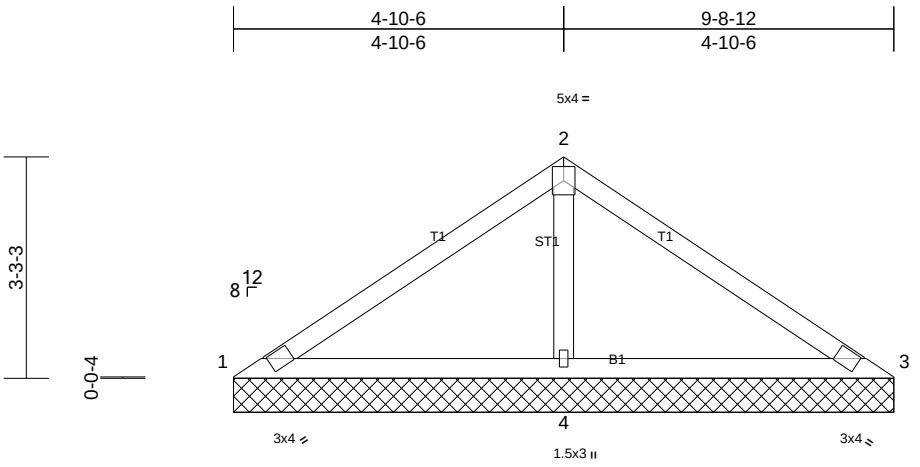
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 except (jt=lb) 8=122, 6=120.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V4 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:22 Page: 1
ID:9cTE5YANoRC9UT68tvQ88AyMS09-Q4iEylAeqdffs5lom4wViKaJIRpI0eiTSvAhOSyKJdJ




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.27 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.25 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 34 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 9-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 1=33/9-8-12, (min. 0-1-8), 3=33/9-8-12, (min. 0-1-8), 4=712/9-8-12, (min. 0-1-8)
Max Horiz 1=76 (LC 7)
Max Uplift 1=-24 (LC 22), 3=-24 (LC 21), 4=-96 (LC 10)
Max Grav 1=73 (LC 21), 3=73 (LC 22), 4=712 (LC 1)

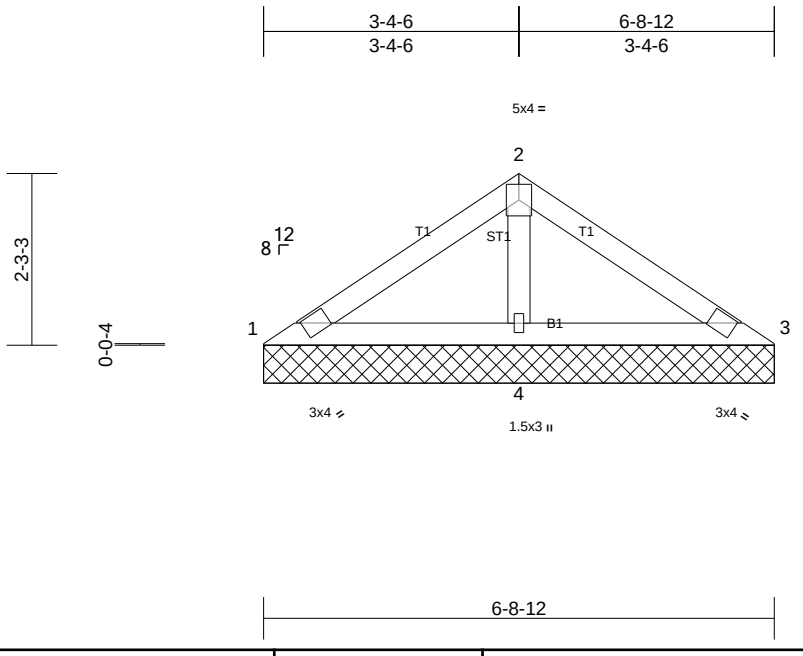
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-83/327, 2-3=-83/327
BOT CHORD 1-4=-259/128, 3-4=-259/128
WEBS 2-4=-543/187

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 24 lb uplift at joint 1, 24 lb uplift at joint 3 and 96 lb uplift at joint 4.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V5 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:22 Page: 1
ID:2fEAVkQYsurBViDAbqJ3UcyMS?q-Q4iEylAeqdffs5lom4wViKaMnRrD0gpTSvAhOSyKJdJ




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.11 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.12 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.06 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 23 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 6-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 1=55/6-8-12, (min. 0-1-8), 3=55/6-8-12, (min. 0-1-8), 4=428/6-8-12, (min. 0-1-8)
Max Horiz 1=-52 (LC 6)
Max Uplift 1=-5 (LC 10), 3=-14 (LC 11), 4=-50 (LC 10)
Max Grav 1=75 (LC 21), 3=75 (LC 22), 4=428 (LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-301/102

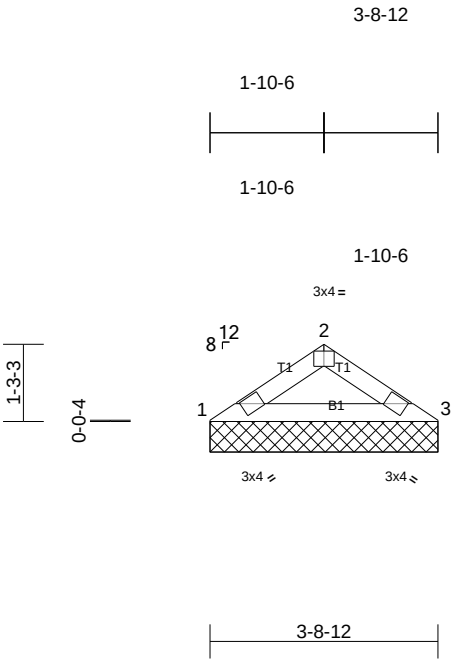
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 5 lb uplift at joint 1, 14 lb uplift at joint 3 and 50 lb uplift at joint 4.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V6 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:22 Page: 1
ID:2fEAVkQYsurBViDAbqJ3UcyMS?q-Q4iEylAeqdffs5lom4wViKaMuRrm0gnTSvAhOSyKJdJ




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.10 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.09 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 11 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=149/3-8-12, (min. 0-1-8), 3=149/3-8-12, (min. 0-1-8)
Max Horiz 1=-27 (LC 6)
Max Uplift 1=-17 (LC 10), 3=-17 (LC 11)

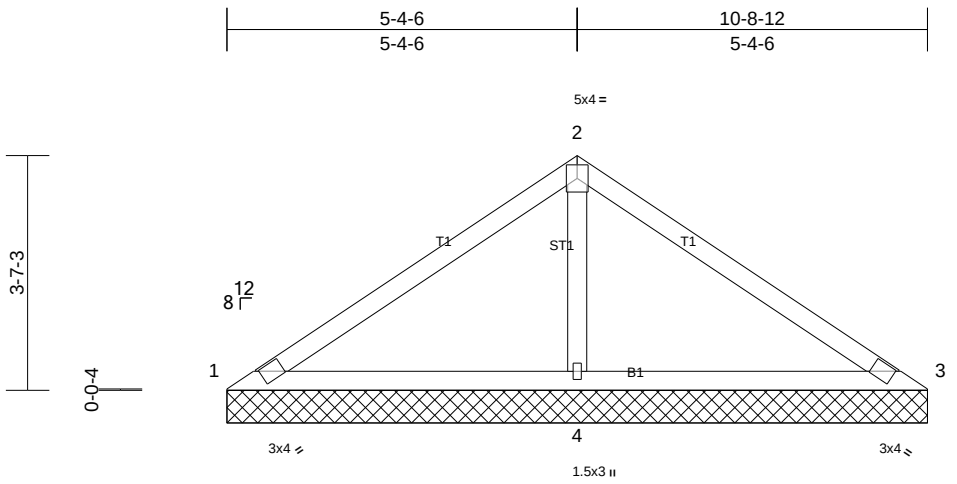
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 17 lb uplift at joint 1 and 17 lb uplift at joint 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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V7 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:22 Page: 1
ID:r6KA4fRgTVBSqVhf_NMcr1yMS2O-Q4iEylAeqdffs5lom4wViKaICRoS0e6TSvAhOSyKJdJ




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.34 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.30 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.17 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 38 lb | FT = 20% |

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

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

**REACTIONS** (lb/size) 1=20/10-8-12, (min. 0-1-8), 3=20/10-8-12, (min. 0-1-8), 4=819/10-8-12, (min. 0-1-8)
Max Horiz 1=-85 (LC 6)
Max Uplift 1=-39 (LC 22), 3=-39 (LC 21), 4=-115 (LC 10)
Max Grav 1=68 (LC 21), 3=68 (LC 22), 4=819 (LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-104/392, 2-3=-104/392
BOT CHORD 1-4=-312/150, 3-4=-312/150
WEBS 2-4=-636/219

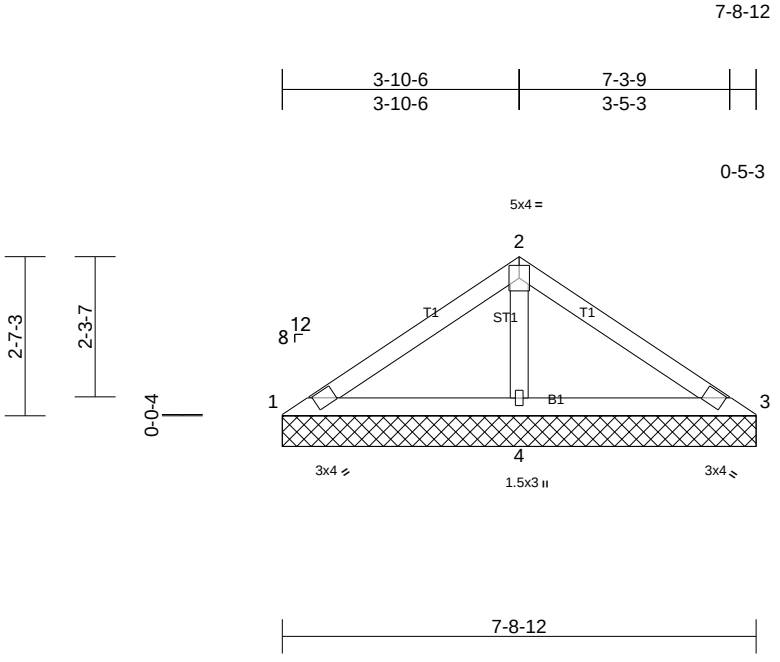
**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 39 lb uplift at joint 1, 39 lb uplift at joint 3 and 115 lb uplift at joint 4.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V8 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:23 ID:i24PI4Oj0Txq5?KYHdkqkUyMS_a-vGFc95BGbxnWUFK?KoRkFX6WqrAtl6lcgZwEwuyKJdI






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.16 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.16 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.08 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 27 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 7-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 1=51/7-8-12, (min. 0-1-8), 3=51/7-8-12, (min. 0-1-8), 4=516/7-8-12, (min. 0-1-8)
Max Horiz 1=60 (LC 7)
Max Uplift 1=-3 (LC 10), 3=-13 (LC 11), 4=-63 (LC 10)
Max Grav 1=77 (LC 21), 3=77 (LC 22), 4=516 (LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-376/128

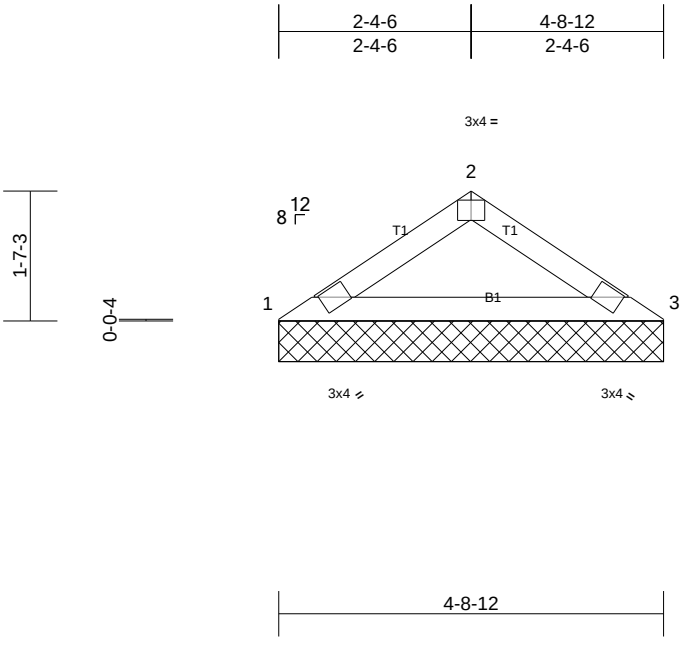
**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 3 lb uplift at joint 1, 13 lb uplift at joint 3 and 63 lb uplift at joint 4.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V9 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:23 Page: 1
ID:i24PI4Oj0Txq5?KYHdkqkUyMS_a-vGFc95BGbxnWUFK?KoRkFX6WhrADl70cgZwEwuyKJdI




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.16 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.14 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horiz(TL) | 0.01 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 14 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=189/4-8-12, (min. 0-1-8), 3=189/4-8-12, (min. 0-1-8)
Max Horiz 1=-35 (LC 6)
Max Uplift 1=-21 (LC 10), 3=-21 (LC 11)

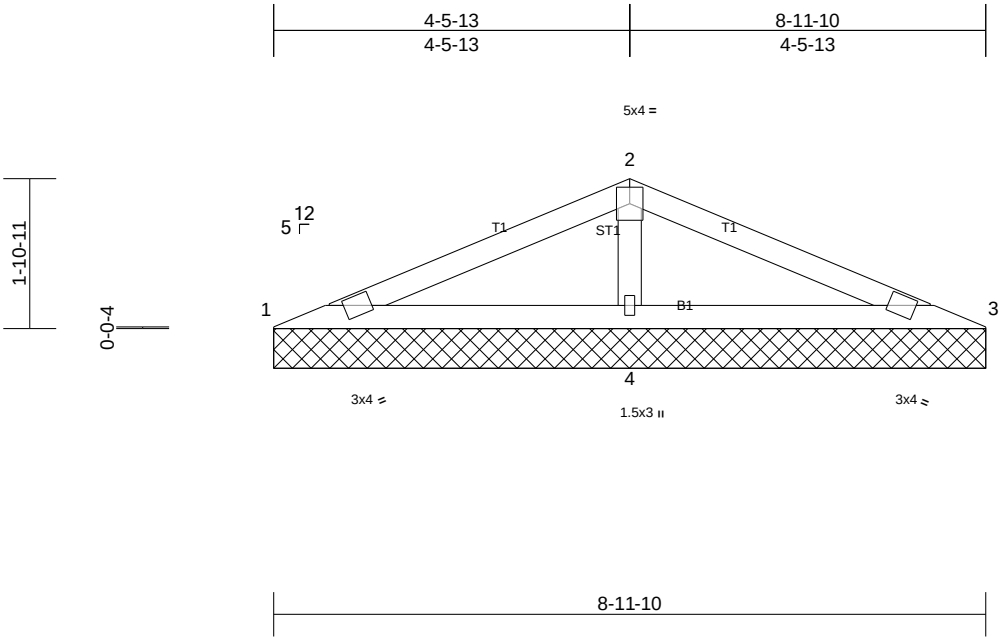
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-289/66

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 21 lb uplift at joint 1 and 21 lb uplift at joint 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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V10 | Valley | 1 | 1 | Job Reference (optional) |

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Daniel Carter

Run: 9.19 S 8.83 Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Nov 11 09:03:23 Page: 1
ID:RclkjtDRATNE7U98IX1rzkyMS1N-vGFc95BGbxnWUFK?KoRkFX6V5r93l6hcgZwEwuyKJdI




| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.20 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.21 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0* | Rep Stress Incr | YES | WB | 0.09 | Horiz(TL) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MSH | | | | | | | Weight: 27 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 8-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

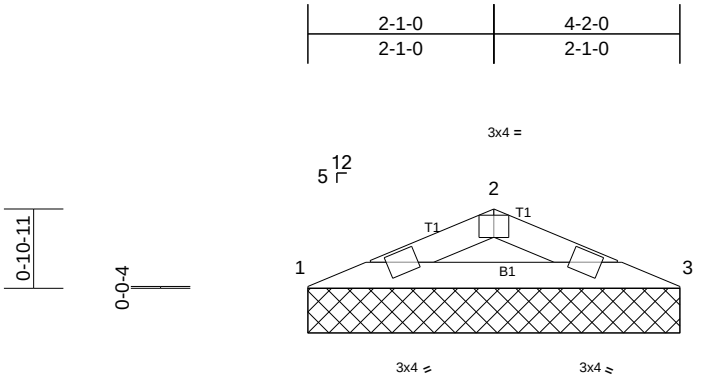
**REACTIONS** (lb/size) 1=67/8-11-10, (min. 0-1-8), 3=67/8-11-10, (min. 0-1-8), 4=583/8-11-10, (min. 0-1-8)
Max Horiz 1=29 (LC 10)
Max Uplift 1=-17 (LC 10), 3=-23 (LC 11), 4=-54 (LC 10)
Max Grav 1=95 (LC 21), 3=95 (LC 22), 4=583 (LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-125/296, 2-3=-90/296
WEBS 2-4=-421/196

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 17 lb uplift at joint 1, 23 lb uplift at joint 3 and 54 lb uplift at joint 4.
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.

| Job | Truss | Truss Type | Qty | Ply | PBS/ABERDEEN ELEV A RF |
|---|---|---|---|---|---|
| 72530439 | V11 | Valley | 1 | 1 | Job Reference (optional) |






| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.12 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.14 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horiz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | IRC2015/TPI2014 | Matrix-MP | | | | | | | Weight: 11 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=167/4-2-0, (min. 0-1-8), 3=167/4-2-0, (min. 0-1-8)
Max Horiz 1=-12 (LC 11)
Max Uplift 1=-21 (LC 10), 3=-21 (LC 11)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-322/136, 2-3=-251/116
BOT CHORD 1-3=-113/291

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 21 lb uplift at joint 1 and 21 lb uplift at joint 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.