| Job | Truss | Truss Type | Qty | Ply | 1393 Walker RD Castio |
|---|---|---|---|---|---|
| 2100826-2100826A | T1 | ATTIC | 11 | 1 | Job Reference (optional) |

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ID:Mr6LQdviPukxcduzKqRJs6ymy5r-2l4eQSzbQzLrW28fO_b7ErvI2nHY0P86XcxYMXy9Lgb

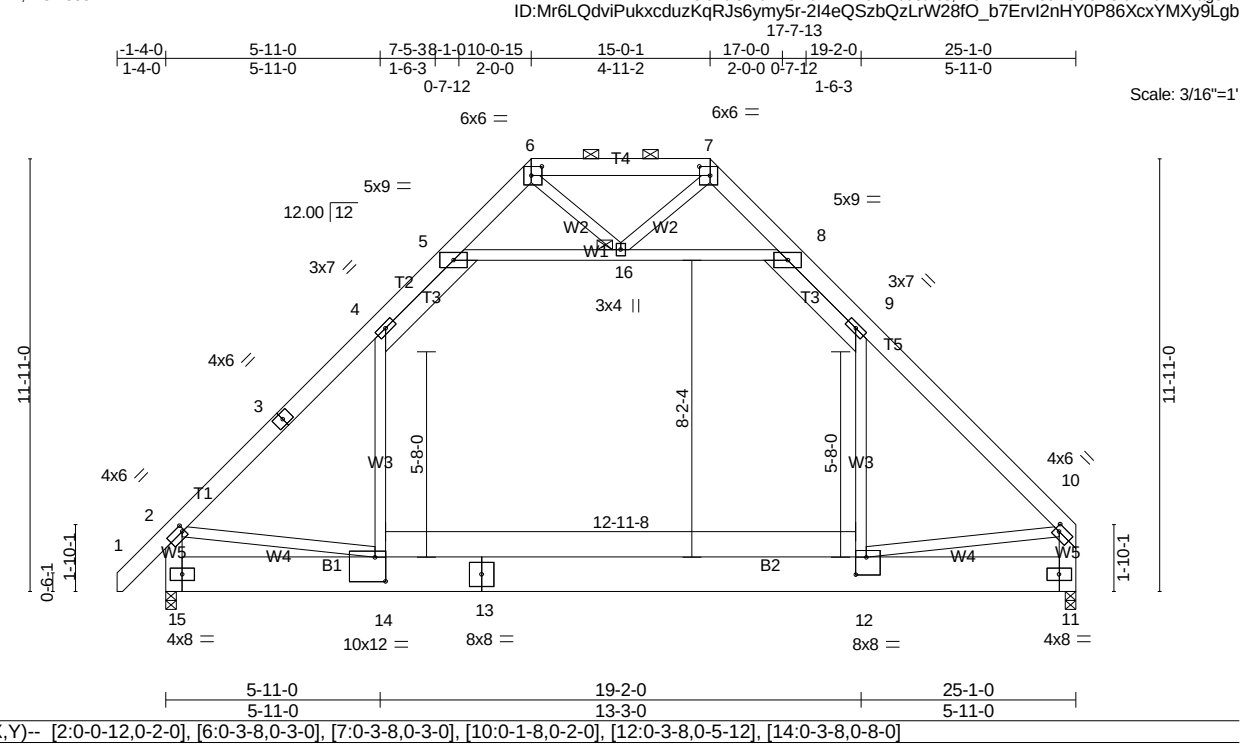


Plate Offsets (X,Y)-- [2:0-0-12,0-2-0], [6:0-3-8,0-3-0], [7:0-3-8,0-3-0], [10:0-1-8,0-2-0], [12:0-3-8,0-5-12], [14:0-3-8,0-8-0]

| 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 | 1.00 | Vert(LL) | -0.17 | 12-14 | >999 | 240 | MT20 | 197/144 |
| TCDL | 10.0 | Lumber DOL 1.15 | BC | 0.34 | Vert(CT) | -0.26 | 12-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr YES | WB | 0.37 | Horz(CT) | 0.01 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | Matrix-MS | | Attic | -0.09 | 12-14 | 1674 | 360 | Weight: 282 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x6 SP No.2 *Except*
T5: 2x6 SP DSS
BOT CHORD 2x12 SP DSS
WEBS 2x4 SP No.3 *Except*
W3,W1: 2x4 SP No.2 or 2x4 SPF No.2, W5: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

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

**REACTIONS.** (lb/size) 15=1279/0-3-8 (min. 0-2-7), 11=1184/0-3-8 (min. 0-2-5)
Max Horz 15=316(LC 9)
Max Grav 15=1538(LC 2), 11=1459(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1711/0, 3-4=-1530/5, 4-5=-1016/175, 5-6=-272/128, 7-8=-278/130, 8-9=-1015/177, 9-10=-1698/0, 2-15=-1562/76, 10-11=-1503/5
BOT CHORD 14-15=-300/602, 13-14=0/1101, 12-13=0/1101, 11-12=-82/299
WEBS 4-14=0/821, 5-16=-1249/161, 8-16=-1239/162, 9-12=0/810, 2-14=-39/824, 10-12=-27/878

**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=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).4-14, 9-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-14
8) Bearing at joint(s) 15, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 11. This connection is for uplift only and does not consider lateral forces.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard