| Job | Truss | Truss Type | Qty | Ply | Carroll/Lot 8 Shiloh/Harnett |
|---|---|---|---|---|---|
| J1123-6736 | A4 | ROOF SPECIAL | 2 | 1 | Job Reference (optional) |

Comtech, Inc., Fayetteville, NC 28309, Sumer Spell

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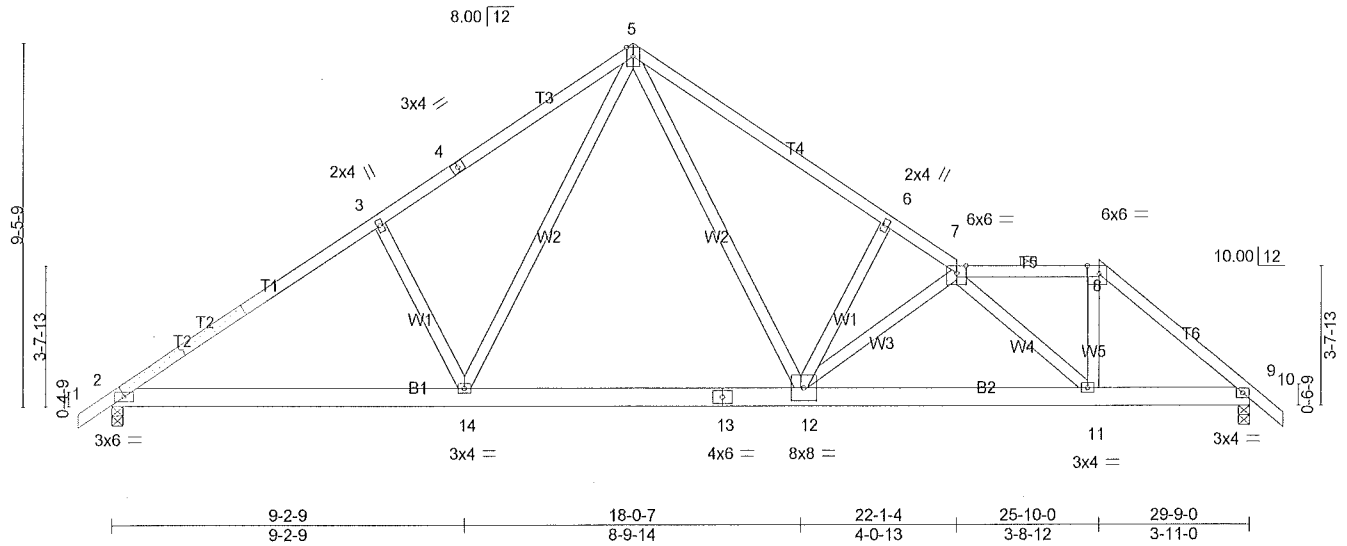
ID:wuDBGNEdaRgg7fnmOtpM0MzLanX-YJQ2FcUiUb4p4dtA5vEetMoulk?x6QfyEwlB0OzMvQd

| -0-10-8 | 7-0-1 | 13-7-8 | 20-2-14 | 22-1-4 | 25-10-0 | 29-9-0 | 30-7-8 |
|---|---|---|---|---|---|---|---|
| 0-10-8 | 7-0-1 | 6-7-7 | 6-7-6 | 1-10-6 | 3-8-12 | 3-11-0 | 0-10-8 |

4x6 ||

Scale = 1:59.8




| 9-2-9 | 18-0-7 | 22-1-4 | 25-10-0 | 29-9-0 |
|---|---|---|---|---|
| 9-2-9 | 8-9-14 | 4-0-13 | 3-8-12 | 3-11-0 |

# REPAIR(S) REQUIRED

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

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.15 | TC | 0.49 | Vert(LL) | -0.14 | 12-14 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.38 | Vert(CT) | -0.22 | 12-14 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.04 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2015/TPI2014 | | Matrix-S | | Wind(LL) | 0.05 | 12 | >999 | 240 | Weight: 199 lb | FT = 20% |

**LUMBER-**

TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins, except 2-0-0 oc purlins (5-5-12 max.): 7-8.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 2=1240/0-3-8 (min. 0-1-8), 9=1240/0-3-8 (min. 0-1-8)
Max Horz 2=-232(LC 10)
Max Uplift2=-72(LC 12), 9=-87(LC 13)
Max Grav 2=1267(LC 19), 9=1240(LC 1)

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

TOP CHORD 2-15=-1830/348, 3-15=-1735/373, 3-4=-1693/411, 4-5=-1588/451, 5-16=-1713/501, 6-16=-1814/471, 6-7=-1824/422, 7-8=-1210/320, 8-17=-1510/348, 9-17=-1645/335

BOT CHORD 2-14=-167/1591, 14-19=0/1070, 13-19=0/1070, 12-13=0/1070, 11-12=-299/1963, 9-11=-130/1175

WEBS 5-12=-225/1035, 6-12=-361/244, 5-14=-149/785, 8-11=-91/813, 3-14=-446/268, 7-12=-604/172, 7-11=-1076/225

NOTES-

1) Repair Condition: top chord has 0-1-0 long break centered at 3-4-8 above joint 1.
2) Apply 46" long 2x4 SP No.2 scab to both side(s) of truss centered on damage located 3-4-8 above joint 1 with 2 row(s) of 10d (0.131"x3") nails spaced 4" o.c. from each face. Minimum 0-3-0 end distance.
3) Repairs specified by this program will be subject to review and change.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 13-7-8, Exterior(2) 13-7-8 to 18-0-5, Interior(1) 18-0-5 to 25-10-0, Exterior(2) 25-10-0 to 30-2-13, Interior(1) 30-2-13 to 30-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 2 and 87 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.

Continued on page 2

**LOAD CASE(S)** Standard