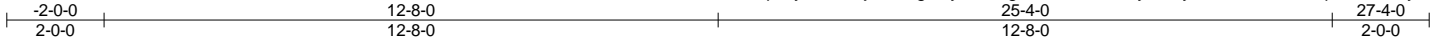
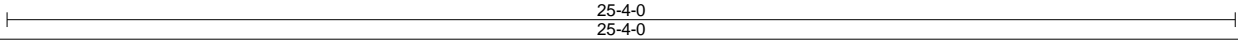
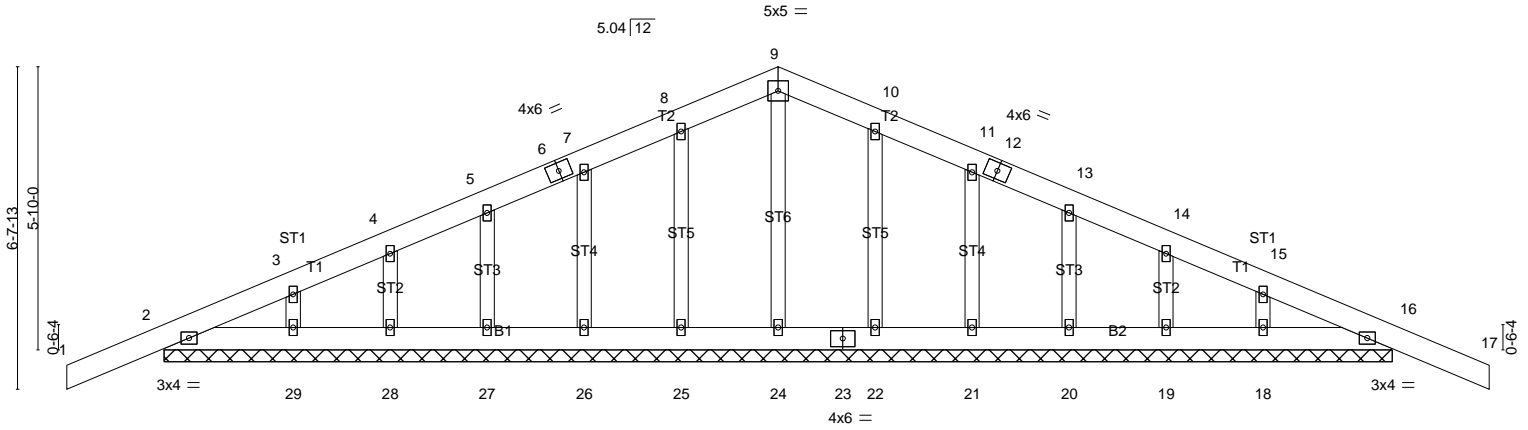


| | | | | | |
|--|---------------|---------------------|----------|----------|------------------------------|
| Job B1122-5490 | Truss A1GE | Truss Type GABLE | Qty 1 | Ply 1 | 589 Rainey Dr. / Harnett Co. |
| Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor | | | | | Job Reference (optional) |

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Scale = 1:47.5



| | | | | | | | | |
|----------------------|----------------------|-------------|----------------|----------|--------|-----|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 20.0 | Plate Grip DOL 2-0-0 | TC 0.09 | Vert(LL) -0.01 | 17 | n/r | 120 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.03 | Vert(CT) -0.01 | 17 | n/r | 120 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.05 | Horz(CT) 0.00 | 16 | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-S | | | | | | |
| | | | | | | | Weight: 178 lb | FT = 20% |

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. All bearings 25-4-0.
(lb) - Max Horz 2=124(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=-109(LC 8), 16=-114(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 24, 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=271(LC 1), 16=271(LC 1)

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

NOTES-

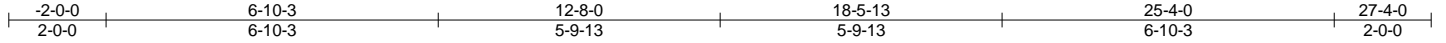
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 22, 21, 20, 19, 18 except (jt=lb) 2=109, 16=114.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

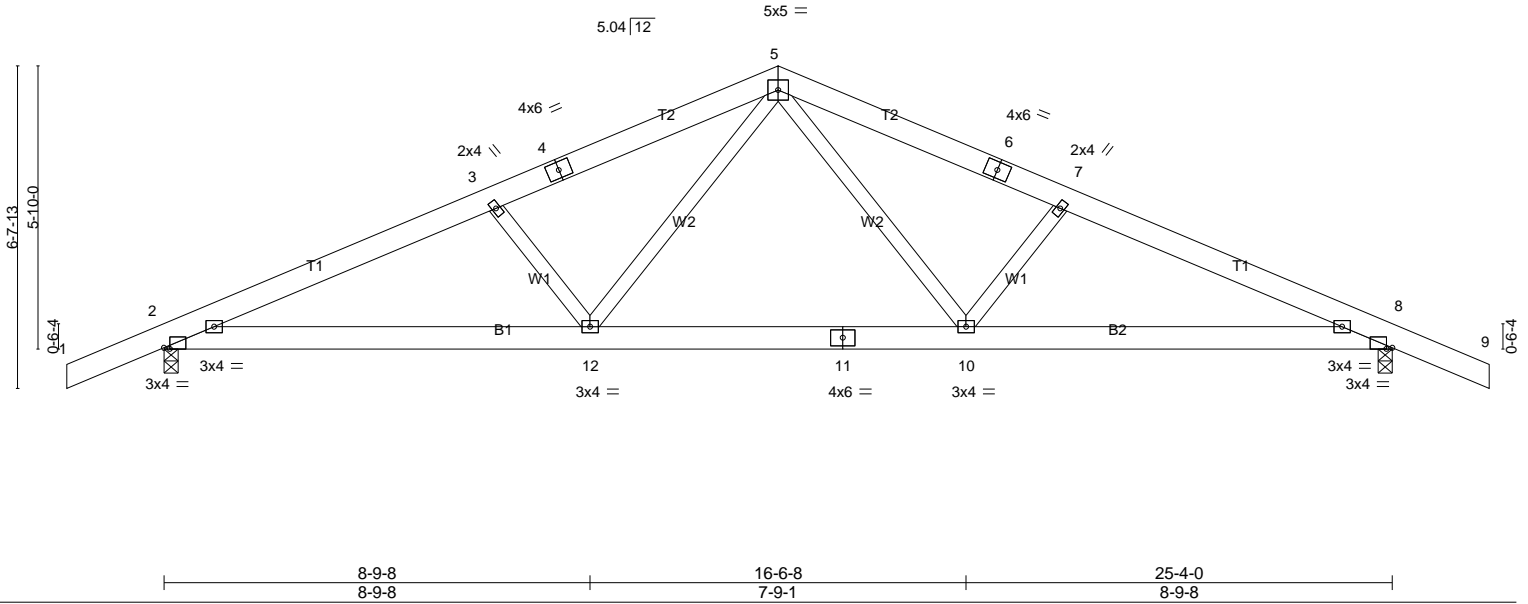
| | | | | | |
|-------------------|-------------|--------------------|-----------|----------|--|
| Job B1122-5490 | Truss A2 | Truss Type FINK | Qty 12 | Ply 1 | 589 Rainey Dr. / Harnett Co. Job Reference (optional) |
|-------------------|-------------|--------------------|-----------|----------|--|

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

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Scale = 1:47.5



| | | | | | | | |
|--|----------------------|-------------|-------------------------------|---------------|-------------|-------------------------|--|
| Plate Offsets (X,Y)-- [2:0-1-7,Edge], [8:0-1-7,Edge] | | | | | | | |
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP | | |
| TCLL 20.0 | 2-0-0 | TC 0.16 | in (loc) l/defl L/d | MT20 | 244/190 | | |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.31 | Vert(LL) -0.05 10-12 >999 360 | | | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.14 | Vert(CT) -0.11 8-10 >999 240 | | | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-S | Horz(CT) 0.03 8 n/a n/a | | | | |
| | | | Wind(LL) 0.04 10-12 >999 240 | | | Weight: 162 lb FT = 20% | |

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (size) 2=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
 Max Horz 2=74(LC 12)
 Max Uplift 2=-94(LC 12), 8=-94(LC 13)
 Max Grav 2=1130(LC 1), 8=1130(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1923/381, 3-5=-1686/362, 5-7=-1686/362, 7-8=-1923/381
 BOT CHORD 2-12=-231/1694, 10-12=-91/1154, 8-10=-260/1694
 WEBS 3-12=-368/205, 5-12=-81/579, 5-10=-81/579, 7-10=-368/205

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 12-8-0, Exterior(2) 12-8-0 to 15-8-0, Interior(1) 15-8-0 to 27-4-0 zone; 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 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard