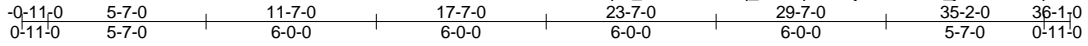


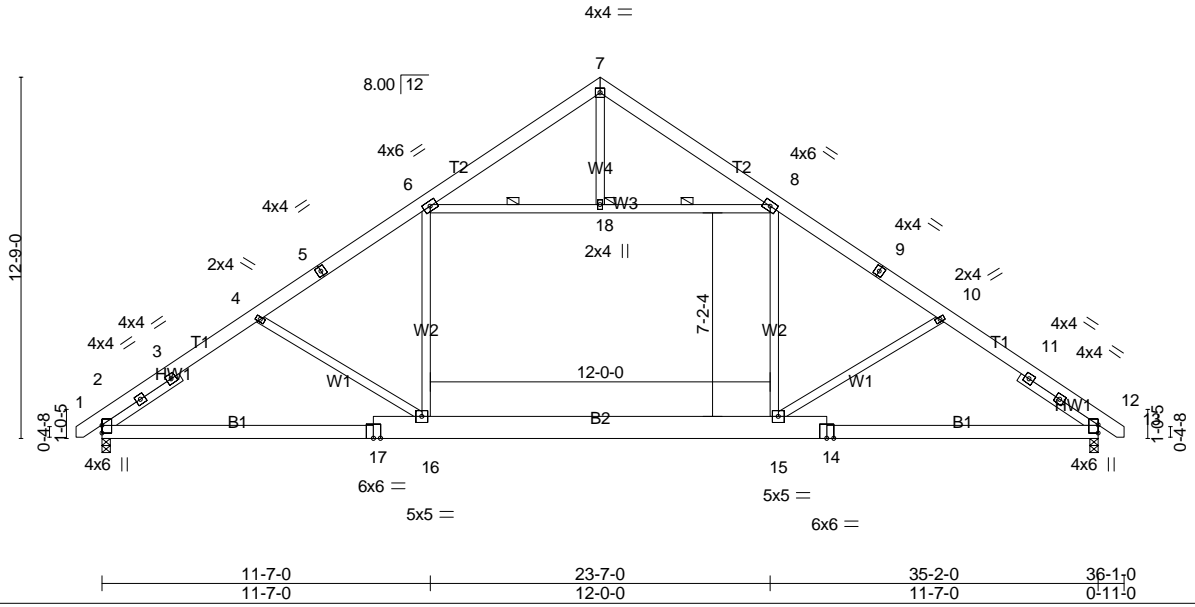
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A1	FINK	7	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:45 2025 Page 1  
 ID: SpA\_J9WR4t5XKq\_al1Dqc3zzSjV-wtaFr/Vs\_jX?xCSFUqY6woDqblIPUQHjPUoyDDkzz6tK



Scale = 1:81.3



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.25	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.62	Vert(LL) -0.33 2-16 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.24	Vert(CT) -0.38 12-15 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.05 12 n/a n/a		
	Code IRC2021/TPI2014		Wind(LL) 0.29 2-16 >999 240		Weight: 288 lb FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1 \*Except\*  
 B2: 2x10 SP No.1  
 WEBS 2x4 SP No.2  
 SLIDER Left 2x4 SP No.2 3-3-3, Right 2x4 SP No.2 3-3-3

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 6-18, 8-18  
 JOINTS 1 Brace at Jt(s): 18

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

**REACTIONS.** (lb/size) 2=1454/0-3-8 (min. 0-2-2), 12=1454/0-3-8 (min. 0-2-0)  
 Max Horz 2=-294(LC 10)  
 Max Uplift 2=-84(LC 12), 12=-84(LC 13)  
 Max Grav 2=1798(LC 19), 12=1798(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-2463/383, 3-4=-2383/418, 4-5=-2289/363, 5-6=-2154/388, 6-19=-509/159,  
 7-19=-460/196, 7-20=-460/196, 8-20=-509/159, 8-9=-2156/388, 9-10=-2290/364,  
 10-11=-2382/418, 11-12=-2462/383  
 BOT CHORD 2-17=-245/2112, 16-17=-238/2123, 15-16=-88/1929, 14-15=-230/1906, 12-14=-236/1891  
 WEBS 6-16=0/767, 8-15=0/767, 4-16=-284/218, 10-15=-284/219, 6-18=-1525/323, 8-18=-1525/323

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 17-7-8, Exterior(2R) 17-7-8 to 22-0-5, Interior(1) 22-0-5 to 35-11-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 2 and 84 lb uplift at joint 12.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A1GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:46 2025 Page 1  
 ID:SpA\_J9WR4t5XKq\_al1Dqc3zzSjV-O38d2rScUr70pbqhNGd9LRMpY9tu9uZjSimBzz6tJ

0-11-0	5-7-0	17-7-0	29-7-0	35-2-0	36-1-0
0-11-0	5-7-0	12-0-0	12-0-0	5-7-0	0-11-0

Scale = 1:76.9

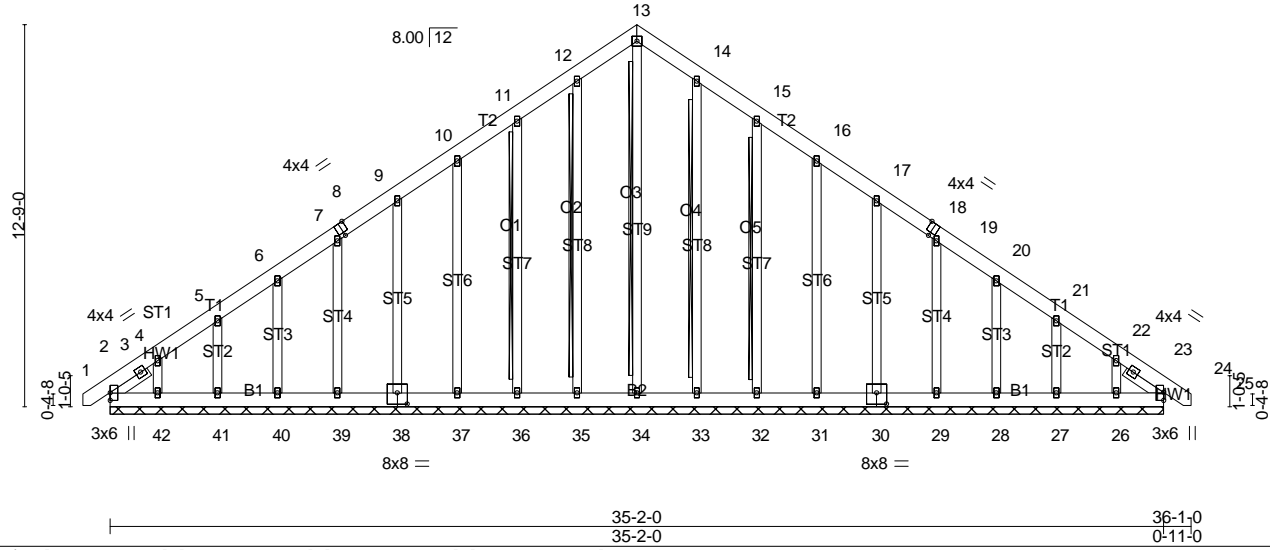


Plate Offsets (X,Y)-- [8:0-2-0,Edge], [18:0-2-0,Edge], [30:0-4-0,0-4-8], [38:0-4-0,0-4-8]

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.05	Vert(LL)	-0.00	24	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	24	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18	Horz(CT)	0.01	24	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						
								Weight: 348 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 OTHERS 2x4 SP No.2  
 SLIDER Left 2x4 SP No.2 1-5-12, Right 2x4 SP No.2 1-5-12

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS T-Brace: 2x4 SPF No.2 - 13-34, 12-35, 11-36, 14-33, 15-32  
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.  
 Brace must cover 90% of web length.

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

**REACTIONS.** All bearings 35-2-0.  
 (lb) - Max Horz 2=-367(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 24, 35, 37, 38, 39, 40, 41, 33, 31, 30, 29, 28, 27 except 2=-163(LC 10), 36=-101(LC 12), 42=-207(LC 12), 32=-104(LC 13), 26=-182(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 24, 34, 35, 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 28, 27, 26 except 2=288(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-449/312, 3-4=-427/310, 4-5=-308/247, 5-6=-253/220, 11-12=-180/292, 12-13=-201/314, 13-14=-201/314, 14-15=-180/273, 22-23=-334/172, 23-24=-355/173  
 BOT CHORD 2-42=-134/289, 41-42=-134/289, 40-41=-134/289, 39-40=-134/289, 38-39=-134/289, 37-38=-134/289, 36-37=-134/289, 35-36=-134/289, 34-35=-134/289, 33-34=-134/289, 32-33=-134/289, 31-32=-134/289, 30-31=-134/289, 29-30=-134/289, 28-29=-134/289, 27-28=-134/289, 26-27=-134/289, 24-26=-134/289

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-8-15 to 3-7-8, Exterior(2N) 3-7-8 to 17-7-8, Corner(3R) 17-7-8 to 22-0-5, Exterior(2N) 22-0-5 to 35-11-15 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.
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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.

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:46 2025 Page 2  
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**NOTES-**

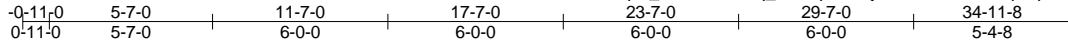
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 35, 37, 38, 39, 40, 41, 33, 31, 30, 29, 28, 27 except (jt=lb) 2=163, 36=101, 42=207, 32=104, 26=182.
- 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

**LOAD CASE(S)** Standard

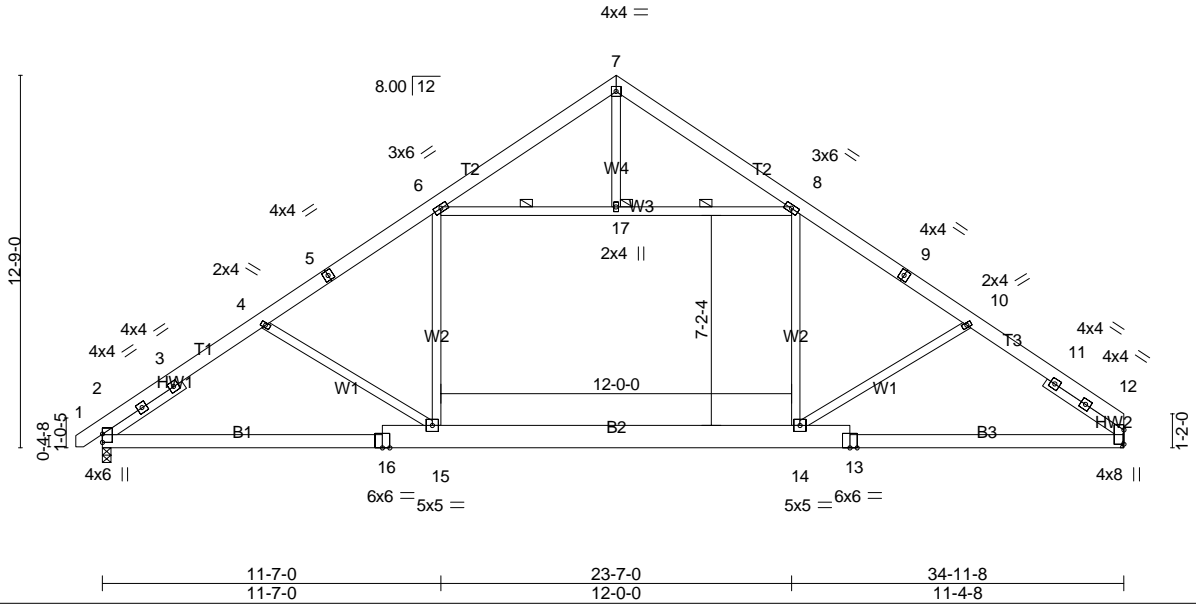
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A2	COMMON	8	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:46 2025 Page 1  
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Scale = 1:78.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.62	Vert(LL) -0.33 2-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.25	Vert(CT) -0.39 2-15 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.05 12 n/a n/a		
	Code IRC2021/TPI2014		Wind(LL) 0.29 2-15 >999 240		Weight: 285 lb FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1 \*Except\*  
 B2: 2x10 SP No.1  
 WEBS 2x4 SP No.2  
 SLIDER Left 2x4 SP No.2 3-3-3, Right 2x4 SP No.2 3-2-13

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 6-17, 8-17  
 JOINTS 1 Brace at Jt(s): 17

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

**REACTIONS.** (lb/size) 2=1446/0-3-8 (min. 0-2-2), 12=1398/Mechanical  
 Max Horz 2=294(LC 9)  
 Max Uplift 2=-84(LC 12), 12=-71(LC 13)  
 Max Grav 2=1789(LC 19), 12=1744(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-2444/380, 3-4=-2364/415, 4-5=-2266/361, 5-6=-2131/386, 6-18=-504/159,  
 7-18=-455/195, 7-19=-460/196, 8-19=-508/159, 8-9=-2124/385, 9-10=-2259/361,  
 10-11=-2318/411, 11-12=-2399/377  
 BOT CHORD 2-16=-243/2098, 15-16=-237/2109, 14-15=-86/1909, 13-14=-221/1830, 12-13=-227/1812  
 WEBS 6-15=0/764, 8-14=0/743, 6-17=-1507/322, 8-17=-1507/322, 4-15=-288/217

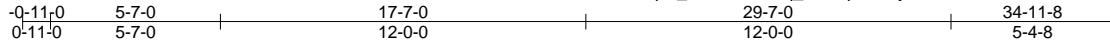
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 17-7-8, Exterior(2R) 17-7-8 to 22-0-5, Interior(1) 22-0-5 to 35-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BC DL = 10.0psf.
  - 6) Refer to girder(s) for truss to truss connections.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A2GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:47 2025 Page 1  
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Scale = 1:75.7

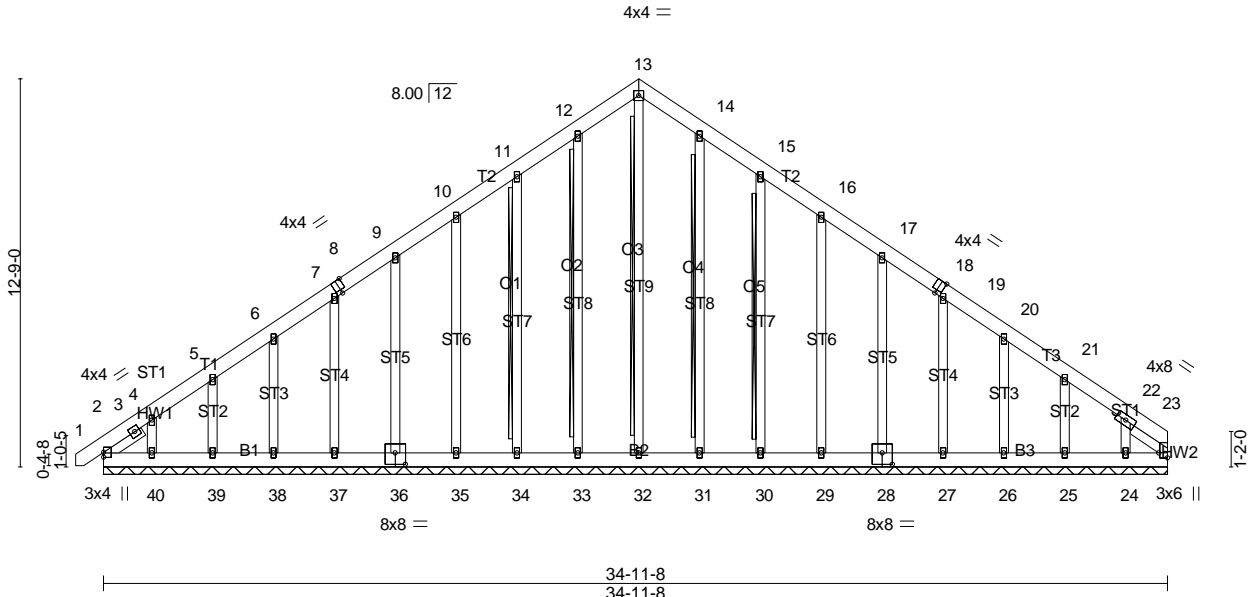


Plate Offsets (X,Y)-- [8:0-2-0,Edge], [18:0-2-0,Edge], [23:Edge,0-3-8], [28:0-4-0,0-4-8], [36:0-4-0,0-4-8]

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.05	Vert(LL) -0.00	1	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT) -0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18	Horz(CT) 0.01	23	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S					
							Weight: 344 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 OTHERS 2x4 SP No.2  
 SLIDER Left 2x4 SP No.2 1-5-12, Right 2x4 SP No.2 1-6-12

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS T-Brace: 2x4 SPF No.2 - 13-32, 12-33, 11-34, 14-31, 15-30  
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.  
 Brace must cover 90% of web length.

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

**REACTIONS.** All bearings 34-11-8.  
 (lb) - Max Horz 2=367(LC 9)  
 Max Uplift All uplift 100 lb or less at joint(s) 33, 35, 36, 37, 38, 39, 31, 29, 28, 27, 26, 25 except 2=-162(LC 10), 23=-112(LC 11), 34=-101(LC 12), 40=-207(LC 12), 30=-104(LC 13), 24=-206(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 40, 31, 30, 29, 28, 27, 26, 25, 24 except 2=288(LC 12), 23=280(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-450/312, 3-4=-428/309, 4-5=-308/246, 5-6=-253/220, 11-12=-180/291, 12-13=-201/313, 13-14=-201/313, 14-15=-180/272, 22-23=-387/196  
 BOT CHORD 2-40=-135/290, 39-40=-135/290, 38-39=-135/290, 37-38=-135/290, 36-37=-135/290, 35-36=-135/290, 34-35=-135/290, 33-34=-135/290, 32-33=-135/290, 31-32=-135/290, 30-31=-135/290, 29-30=-135/290, 28-29=-135/290, 27-28=-135/290, 26-27=-135/290, 25-26=-135/290, 24-25=-135/290, 23-24=-135/290

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-8-15 to 3-7-8, Exterior(2N) 3-7-8 to 17-7-8, Corner(3R) 17-7-8 to 22-0-5, Exterior(2N) 22-0-5 to 35-0-0 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.
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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.

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	A2GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:47 2025 Page 2  
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**NOTES-**

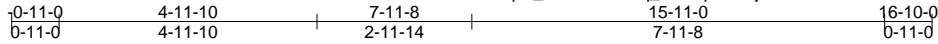
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 33, 35, 36, 37, 38, 39, 31, 29, 28, 27, 26, 25 except (jt=lb) 2=162, 23=112, 34=101, 40=207, 30=104, 24=206.
- 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	B1GE	KINGPOST	1	1	
					Job Reference (optional)

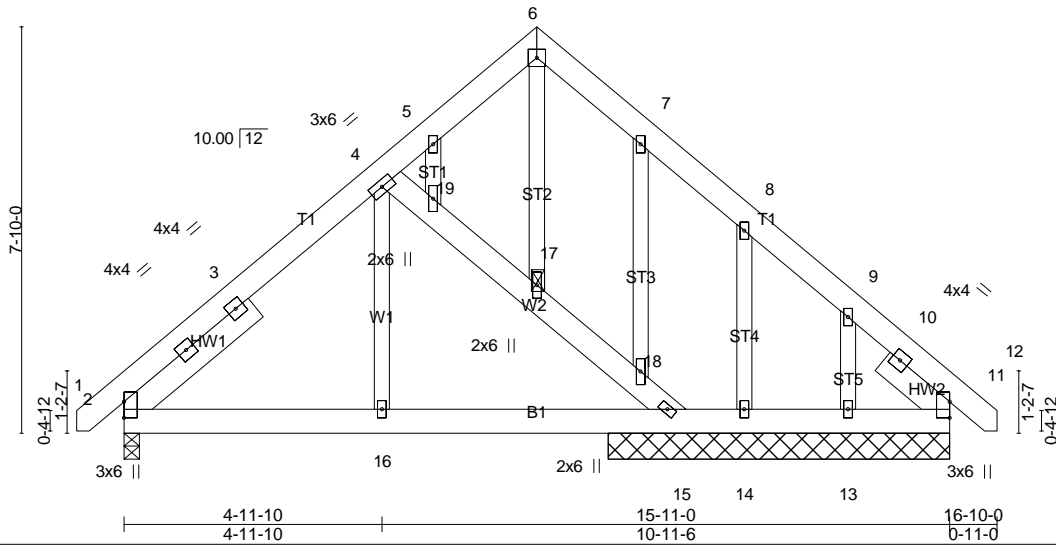
Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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4x4 =

Scale = 1:44.4



<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.09	Vert(LL)	-0.01	15-16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	-0.01	15-16	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	11	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S	Wind(LL)	0.00	2-16	>999		
								Weight: 150 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2 \*Except\*  
 W2: 2x6 SP No.1  
 SLIDER Left 2x6 SP No.1 3-2-8, Right 2x6 SP No.1 1-7-0

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 JOINTS 1 Brace at Jt(s): 17

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

**REACTIONS.** All bearings 6-7-0 except (jt=length) 2=0-3-8.  
 (lb) - Max Horz 2=219(LC 9)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 15 except 14=162(LC 13), 13=202(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 14, 13 except 2=523(LC 1), 11=273(LC 22), 15=405(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-506/52, 3-20=-398/54, 4-20=-375/75, 9-10=-266/81, 10-11=-305/71  
 BOT CHORD 2-16=-95/398, 15-16=-95/398  
 WEBS 4-19=-326/224, 17-19=-326/212, 17-18=-318/202, 15-18=-351/230

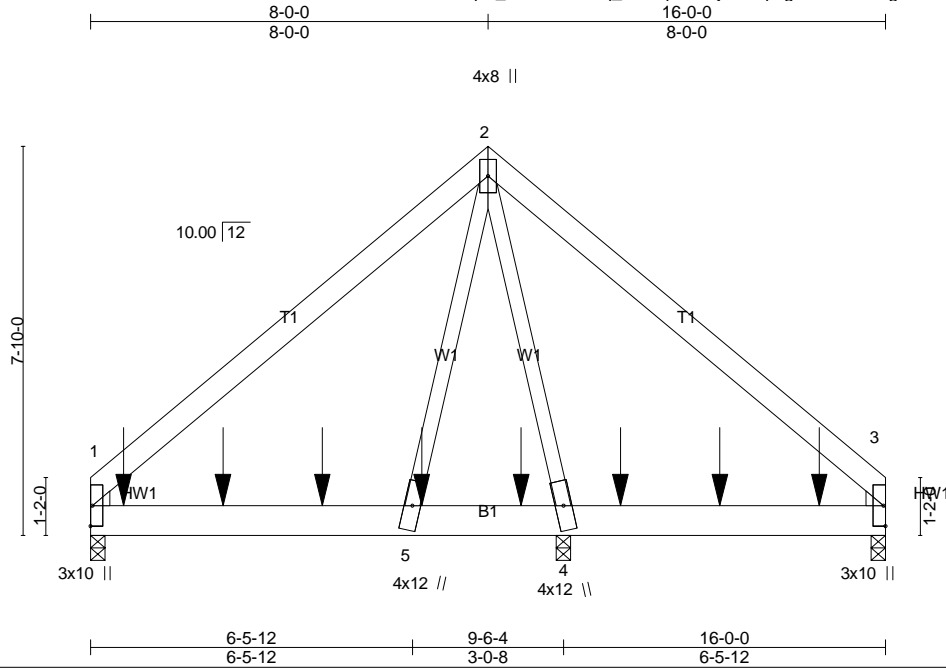
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-9-1 to 3-7-12, Interior(1) 3-7-12 to 8-0-0, Exterior(2R) 8-0-0 to 12-4-13, Interior(1) 12-4-13 to 16-9-1 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15 except (jt=lb) 14=162, 13=202.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	B2GDR	COMMON	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:46.4

LOADING (psf)	SPACING-	CS.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) -0.08 1-5 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.49	Vert(CT) -0.13 1-5 >858 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.01 3 n/a n/a		
	Code IRC2021/TPI2014		Wind(LL) 0.04 1-5 >999 240		
				Weight: 242 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x8 SP 2400F 2.0E  
WEBS 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.2 , Right: 2x4 SP No.2

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

**REACTIONS.** (lb/size) 1=4049/0-3-8 (min. 0-1-15), 3=2339/0-3-8 (min. 0-1-8), 4=5896/0-3-8 (min. 0-2-14)  
Max Horz 1=-173(LC 27)  
Max Uplift 1=-246(LC 8), 3=-156(LC 9), 4=-313(LC 8)  
Max Grav 1=4704(LC 2), 3=2684(LC 2), 4=6923(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-2669/209, 2-3=-890/127  
BOT CHORD 1-6=-120/1917, 6-7=-120/1917, 7-8=-120/1917, 5-8=-120/1917, 5-9=-81/1060,  
4-9=-81/1060, 4-10=-61/607, 10-11=-61/607, 11-12=-61/607, 3-12=-61/607  
WEBS 2-5=-181/4012, 2-4=-2135/138

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=246, 3=156, 4=313.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1656 lb down and 87 lb up at 0-8-0, 1651 lb down and 91 lb up at 2-8-0, 1651 lb down and 91 lb up at 4-8-0, 1651 lb down and 91 lb up at 6-8-0, 1651 lb down and 91 lb up at 8-8-0, 1651 lb down and 91 lb up at 10-8-0, and 1651 lb down and 91 lb up at 12-8-0, and 1651 lb down and 91 lb up at 14-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	B2GDR	COMMON	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

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

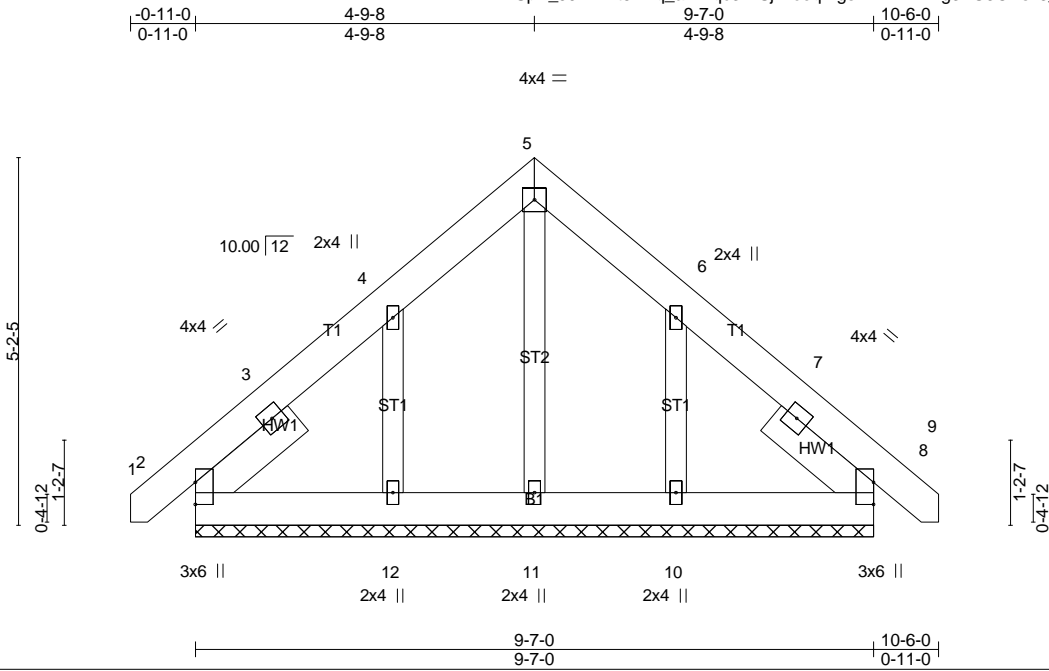
Concentrated Loads (lb)

Vert: 5=-1378(B) 6=-1383(B) 7=-1378(B) 8=-1378(B) 9=-1378(B) 10=-1378(B) 11=-1378(B) 12=-1378(B)

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	C1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Fri Jan 3 09:41:49 2025 Page 1  
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Scale = 1:32.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.05	Vert(LL)	0.00	8	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	0.00	8	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-S						
								Weight: 81 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 OTHERS 2x4 SP No.2  
 SLIDER Left 2x6 SP No.1 1-9-7, Right 2x6 SP No.1 1-9-7

**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 9-7-0.  
 (lb) - Max Horz 2=-140(LC 8)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 12=-177(LC 12), 10=-169(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 10 except 12=258(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 5-13=-138/262, 5-14=-138/264  
 WEBS 4-12=-196/319, 6-10=-196/315

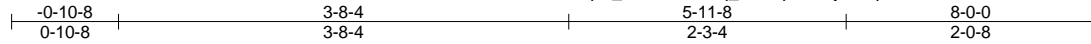
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-9-1 to 3-7-12, Exterior(2N) 3-7-12 to 4-10-0, Corner(3R) 4-10-0 to 9-2-13, Exterior(2N) 9-2-13 to 10-5-1 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.
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 12=177, 10=169.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M1GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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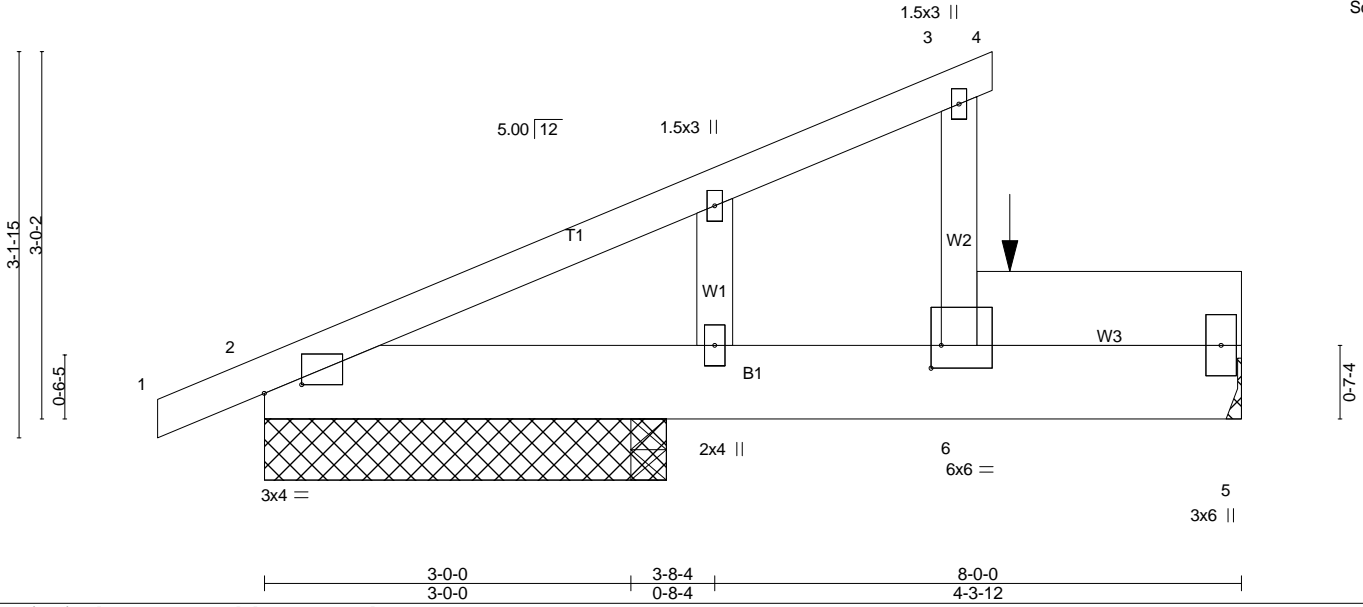


Plate Offsets (X,Y)-- [2:0-3-11,0-0-14], [6:0-1-0,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.52	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.24	Vert(CT)	-0.01	6	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.04	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P	Wind(LL)	0.01	6	>999	240		
									Weight: 47 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x8 SP No.1  
 WEBS 2x4 SP No.2 \*Except\*  
 W3: 2x8 SP No.1

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 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=183/3-3-8 (min. 0-1-8), 5=368/Mechanical, 7=419/0-3-8 (min. 0-1-8)  
 Max Horz 2=131(LC 12)  
 Max Uplift 2=-59(LC 12), 5=-105(LC 12), 7=-88(LC 12)

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

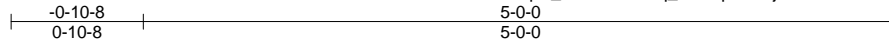
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-11-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) Gable studs spaced at 2-0-0 oc.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 7) Refer to girder(s) for truss to truss connections.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7 except (jt=lb) 5=105.
  - 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 225 lb down and 136 lb up at 6-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-3=-60, 3-4=-20, 2-6=-20, 5-6=-100(F=-80)  
 Concentrated Loads (lb)  
 Vert: 12=-225

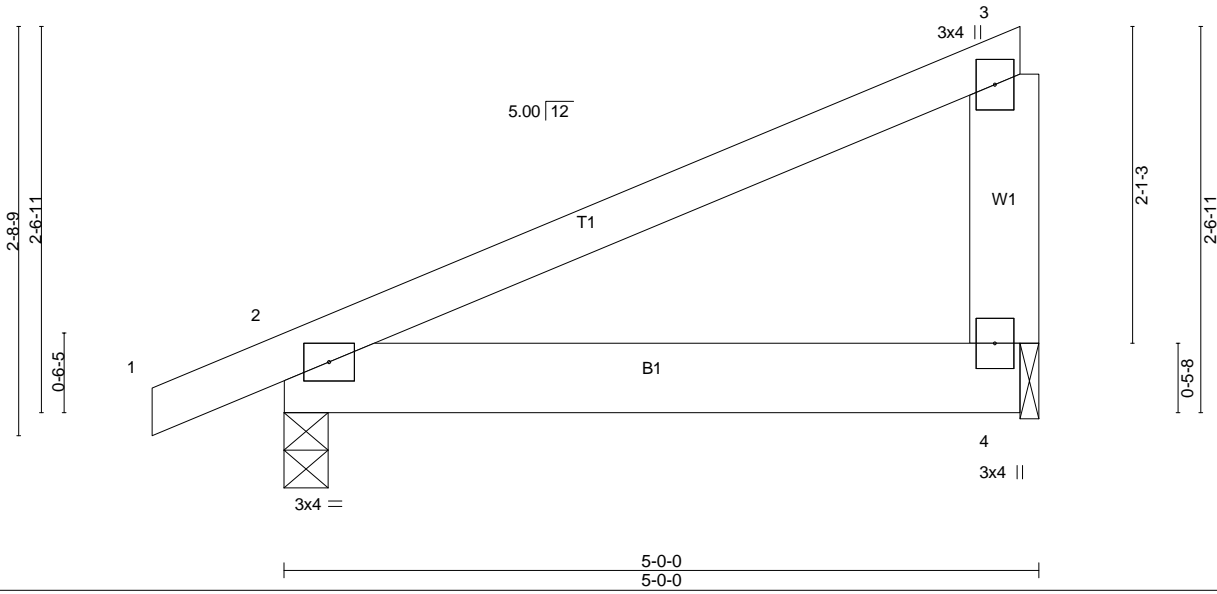
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M2	MONOPITCH	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:15.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) -0.01 2-4 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.01 2-4 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 n/a n/a		
	Code IRC2021/TPI2014		Wind(LL) 0.00 2 **** 240	Weight: 25 lb	FT = 20%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 2=253/0-3-8 (min. 0-1-8), 4=178/0-1-8 (min. 0-1-8)  
 Max Horz 2=75(LC 12)  
 Max Uplift 2=-20(LC 12), 4=-34(LC 12)

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

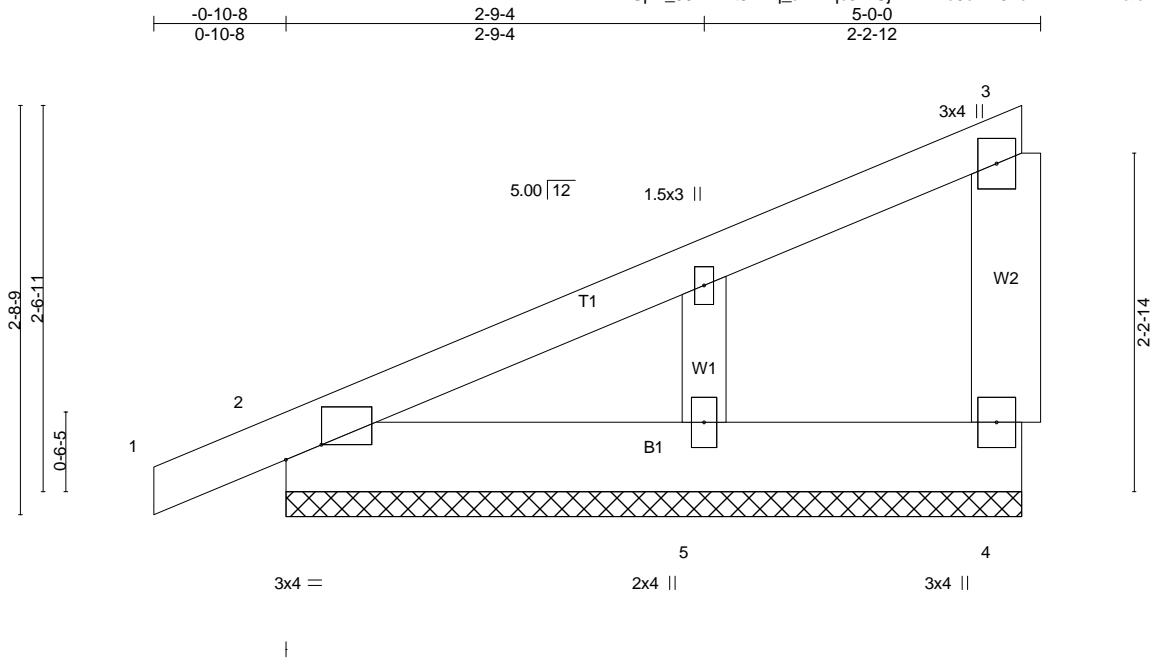
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 4-9-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M2GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:15.3

Plate Offsets (X,Y)-- [2:0-2-13,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	-0.01	1	n/r	120	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	0.01	1	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00		n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P							
	Code IRC2021/TPI2014							Weight: 26 lb	FT = 20%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 4=151/4-10-8 (min. 0-1-8), 2=223/4-10-8 (min. 0-1-8), 5=61/4-10-8 (min. 0-1-8)  
 Max Horz 2=109(LC 12)  
 Max Uplift 4=95(LC 12), 2=75(LC 12)  
 Max Grav 4=151(LC 1), 2=223(LC 1), 5=122(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 3-4=-143/299

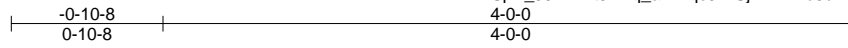
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-6-5, Exterior(2N) 3-6-5 to 4-9-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - 3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) Gable requires continuous bottom chord bearing.
  - 5) Gable studs spaced at 2-0-0 oc.
  - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

**LOAD CASE(S)** Standard

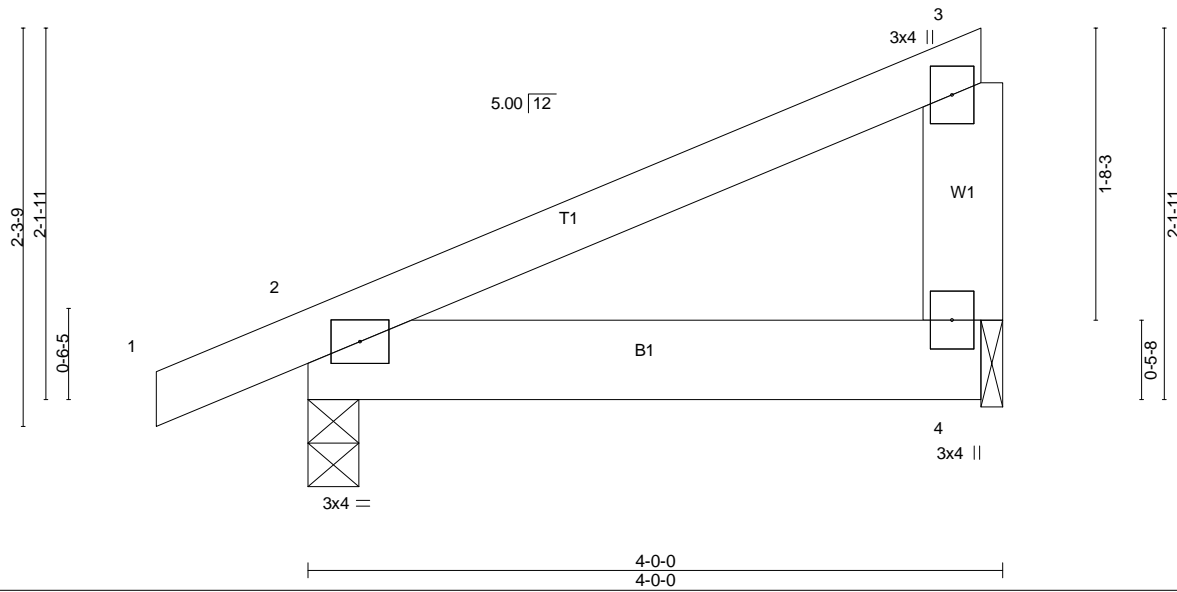
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M3	MONOPITCH	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:13.3



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL) -0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT) -0.00	2-4	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) 0.00	n/a	n/a			
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL) 0.01	2-4	>999	240		
	Code IRC2021/TPI2014						Weight: 20 lb	FT = 20%

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

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

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

**REACTIONS.** (lb/size) 2=215/0-3-8 (min. 0-1-8), 4=136/0-1-8 (min. 0-1-8)  
 Max Horz 2=62(LC 12)  
 Max Uplift 2=63(LC 8), 4=-45(LC 8)

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

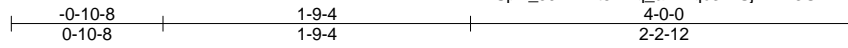
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

**LOAD CASE(S)** Standard

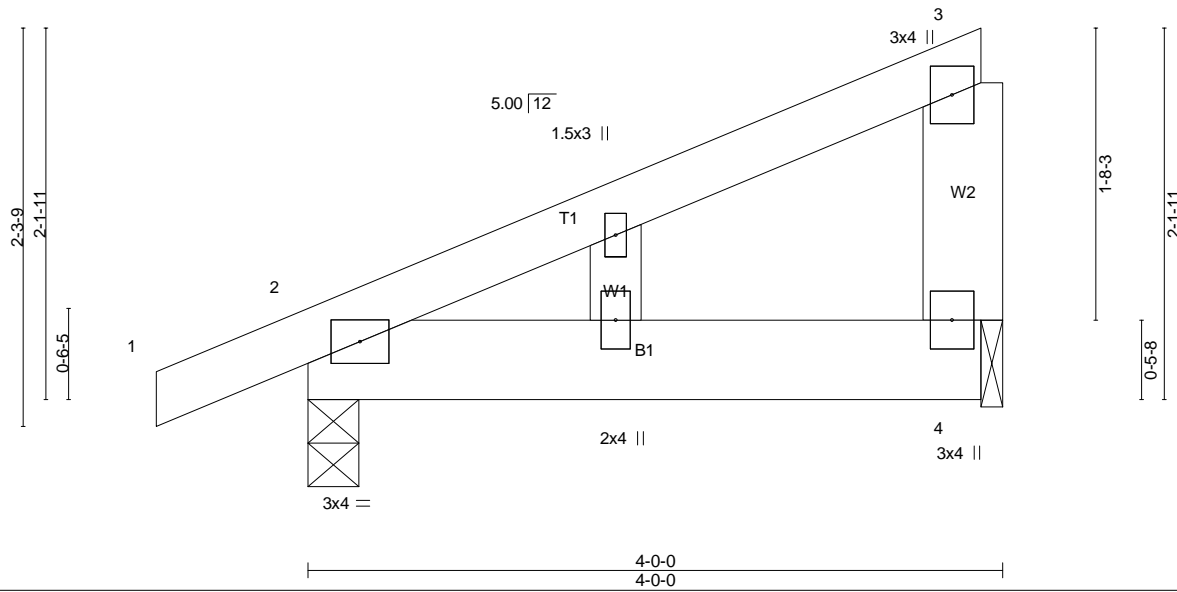
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M3GE	MONOPITCH	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:13.3



<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.26	Vert(LL)	-0.00	2-4	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.05	Vert(CT)	-0.00	2-4	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P	Wind(LL)	0.00	2	****	Weight: 21 lb	FT = 20%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=215/0-3-8 (min. 0-1-8), 4=136/0-1-8 (min. 0-1-8)  
 Max Horz 2=89(LC 12)  
 Max Uplift 2=-55(LC 12), 4=-56(LC 12)

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

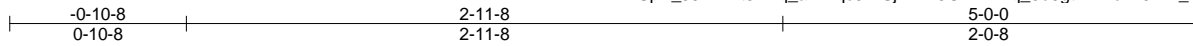
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
  - 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M4	ROOF SPECIAL	2	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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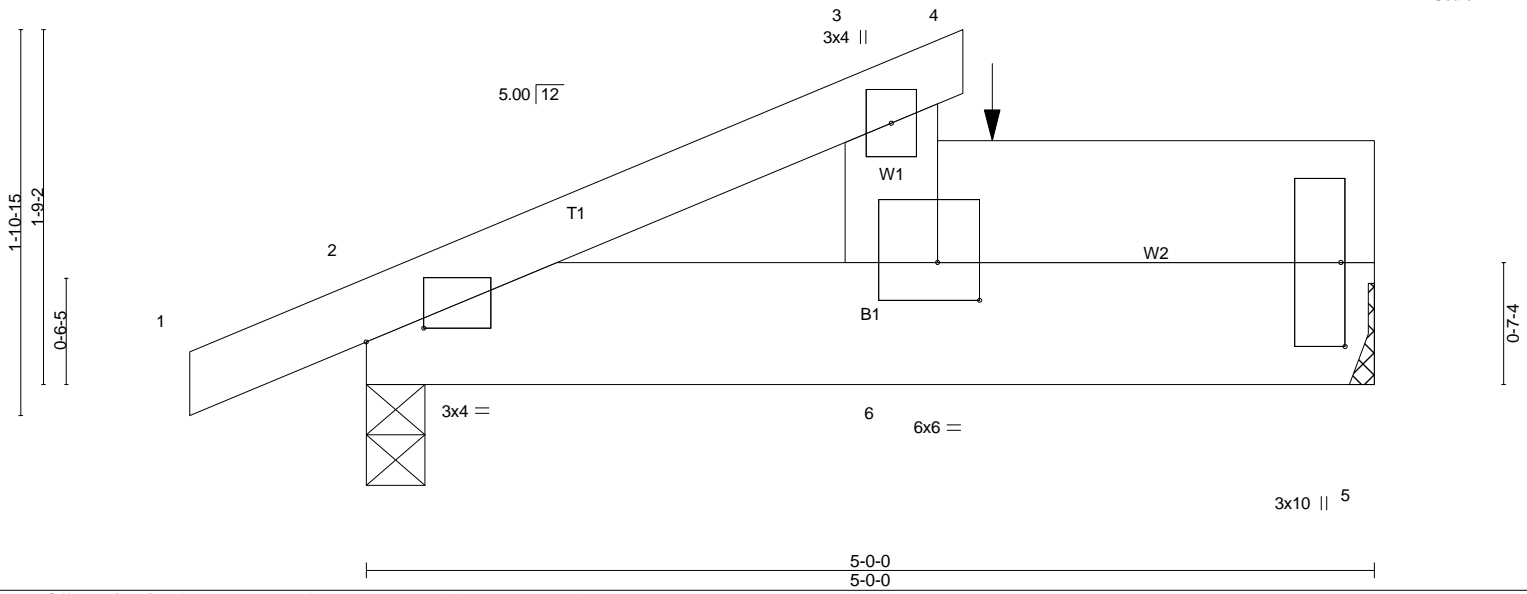


Plate Offsets (X,Y)-- [2:0-3-7,0-0-13], [5:0-5-0,0-0-4], [6:0-2-8,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.25	Vert(CT)	-0.02	6	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P	Wind(LL)	0.01	6	>999	240		
									Weight: 30 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x8 SP No.1  
 WEBS 2x6 SP No.1 \*Except\*  
 W2: 2x8 SP No.1

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 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=381/0-3-8 (min. 0-1-8), 5=388/Mechanical  
 Max Horz 2=49(LC 12)  
 Max Uplift 2=-37(LC 12), 5=-22(LC 12)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 2) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 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) Refer to girder(s) for truss to truss connections.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
  - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 250 lb down and 180 lb up at 3-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

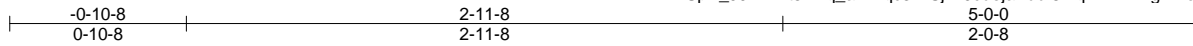
**LOAD CASE(S)** Standard  
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-3=-60, 3-4=-60, 2-6=-20, 5-6=-100  
 Concentrated Loads (lb)  
 Vert: 7=-250



Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	M4A	ROOF SPECIAL	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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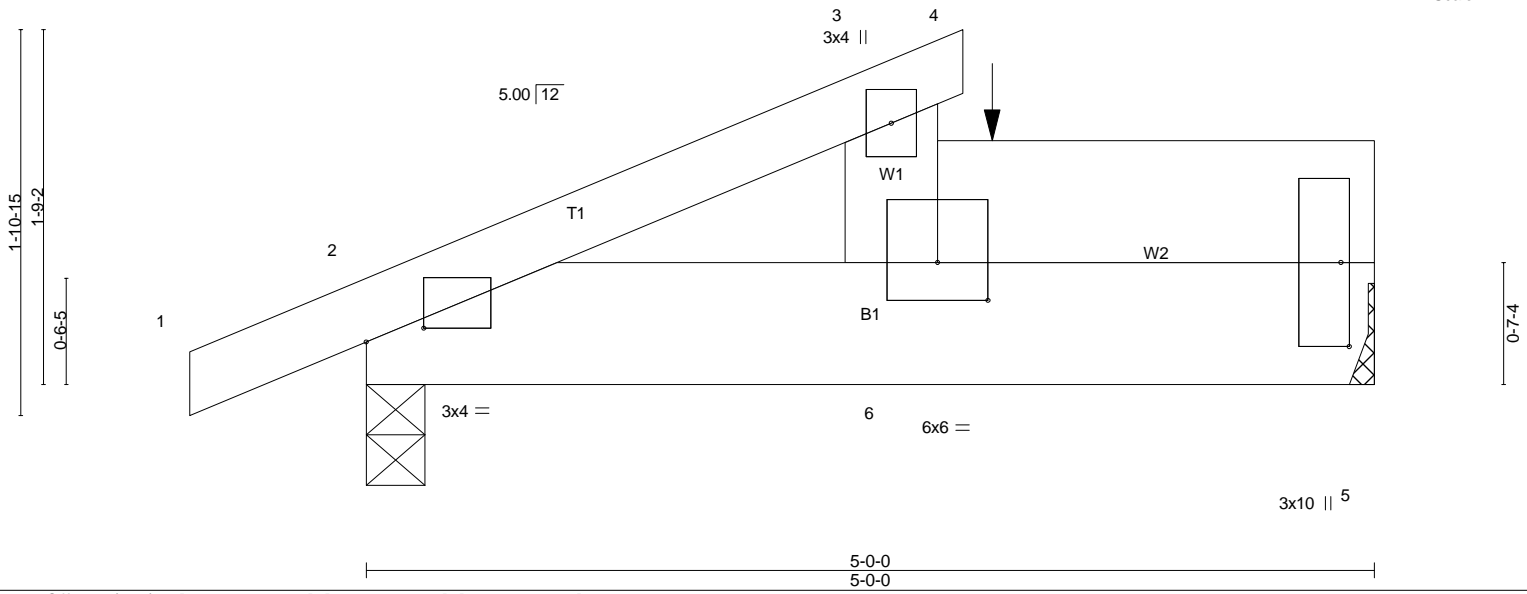


Plate Offsets (X,Y)-- [2:0-3-7,0-0-13], [5:0-5-0,0-0-8], [6:0-3-0,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.04	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.17	Vert(CT)	-0.01	6	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P	Wind(LL)	0.01	6	>999	240		
									Weight: 61 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x8 SP No.1  
 WEBS 2x6 SP No.1 \*Except\*  
 W2: 2x8 SP No.1

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 2=458/0-3-8 (min. 0-1-8), 5=546/Mechanical  
 Max Horz 2=49(LC 12)  
 Max Uplift 2=-45(LC 12), 5=-39(LC 12)

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

**NOTES-**

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.  
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.  
 Webs connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 273 lb down and 197 lb up at 3-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

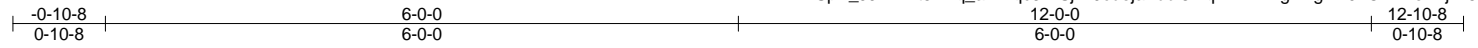
**LOAD CASE(S)** Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-3=-60, 3-4=-60, 2-6=-20, 6-8=-220(F=-80), 5-8=-20  
 Concentrated Loads (lb)  
 Vert: 7=-273

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	P1	COMMON	4	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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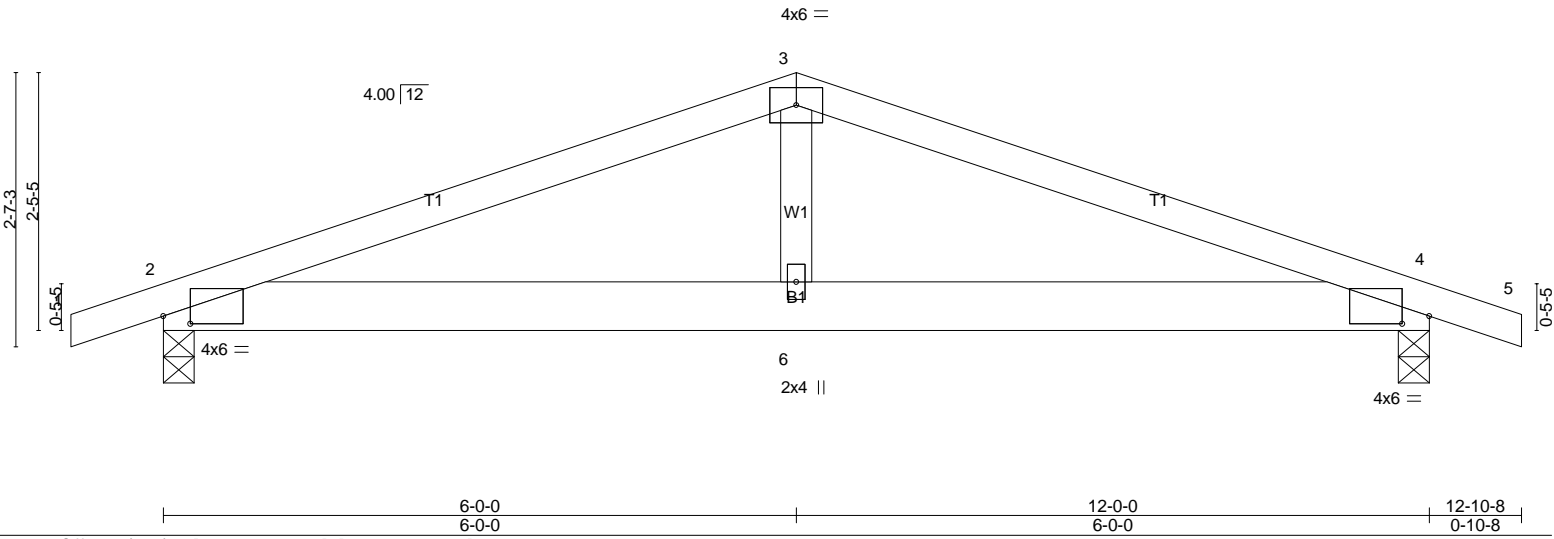


Plate Offsets (X,Y)-- [2:0-3-1,0-0-14], [4:0-3-1,0-0-14]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	Vert(LL) -0.02	6	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.21	Vert(CT) -0.04	4-6	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT) -0.01	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.07	2-6	>999	240		
	Code IRC2021/TPI2014						Weight: 52 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 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-7-15 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=530/0-3-8 (min. 0-1-8), 4=530/0-3-8 (min. 0-1-8)  
 Max Horz 2=-27(LC 17)  
 Max Uplift 2=-205(LC 8), 4=-205(LC 9)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-7=-846/1365, 7-8=-785/1370, 3-8=-779/1382, 3-9=-779/1382, 9-10=-785/1370,  
 4-10=-846/1364  
 BOT CHORD 2-11=-1213/741, 11-12=-1213/741, 6-12=-1213/741, 6-13=-1213/741, 13-14=-1213/741,  
 4-14=-1213/741  
 WEBS 3-6=-582/289

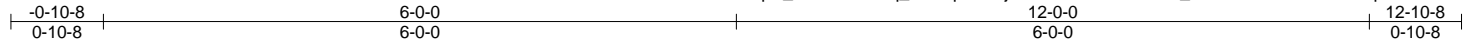
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 6-0-0, Exterior(2R) 6-0-0 to 10-4-13, Interior(1) 10-4-13 to 12-10-8 zone; 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) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=205, 4=205.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	P1GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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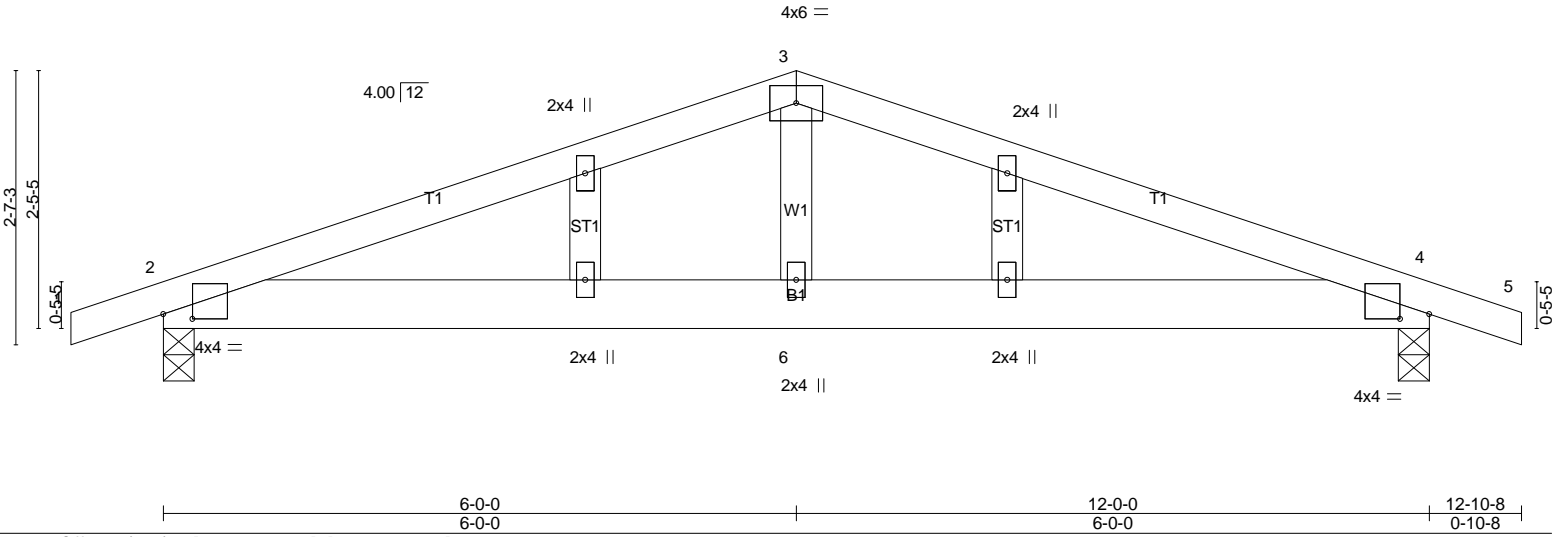


Plate Offsets (X,Y)-- [2:0-3-5,0-0-9], [4:0-3-5,0-0-9]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	Vert(LL) -0.02	6	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(CT) -0.04	4-6	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT) 0.01	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.03	2-6	>999	240		
	Code IRC2021/TPI2014						Weight: 56 lb	FT = 20%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 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=530/0-3-8 (min. 0-1-8), 4=530/0-3-8 (min. 0-1-8)  
 Max Horz 2=-46(LC 13)  
 Max Uplift 2=-162(LC 8), 4=-162(LC 9)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-11=-846/625, 3-11=-785/646, 3-12=-785/645, 4-12=-846/624  
 BOT CHORD 2-6=-484/741, 4-6=-484/741  
 WEBS 3-6=0/289

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-6-5, Exterior(2N) 3-6-5 to 6-0-0, Corner(3R) 6-0-0 to 10-4-13, Exterior(2N) 10-4-13 to 12-10-8 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.
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=162, 4=162.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	VB1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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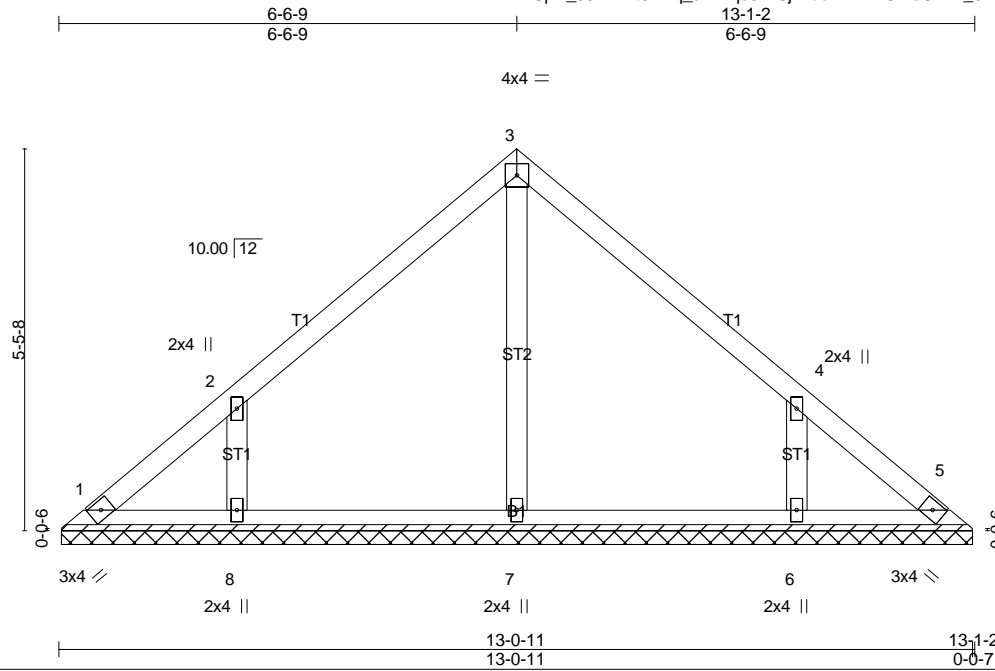


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 55 lb	FT = 20%
	Code IRC2021/TPI2014							

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

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

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

**REACTIONS.** All bearings 13-0-4.  
 (lb) - Max Horz 1=123(LC 9)  
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-125(LC 12), 6=-125(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=332(LC 19), 6=332(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 WEBS 2-8=-265/287, 4-6=-264/287

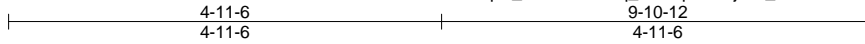
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 6-6-9, Exterior(2R) 6-6-9 to 10-11-6, Interior(1) 10-11-6 to 12-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - 4) Gable requires continuous bottom chord bearing.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=125, 6=125.

**LOAD CASE(S)** Standard

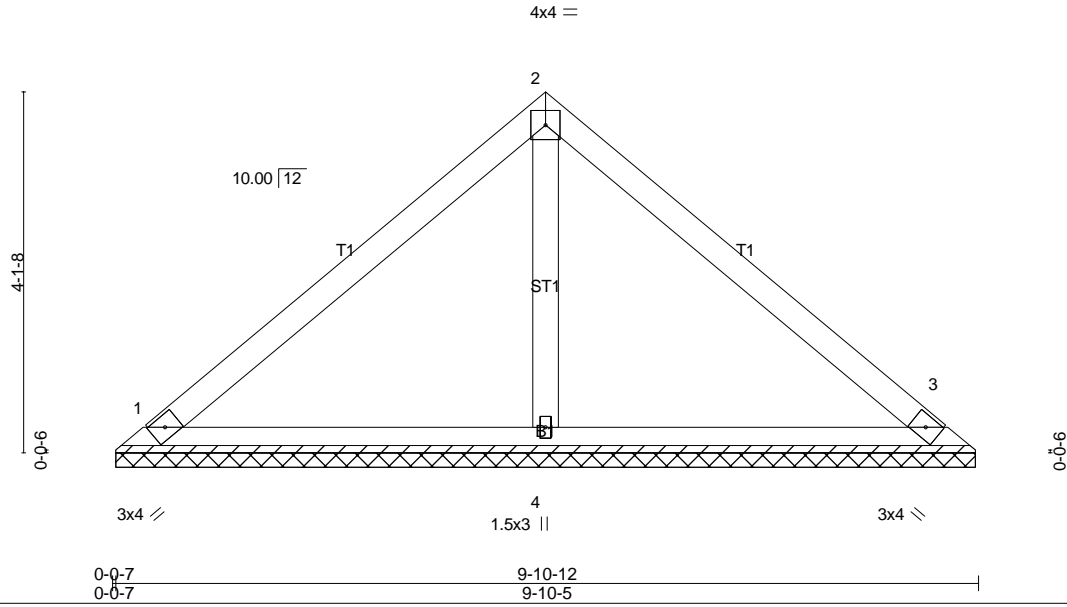
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	VB2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:26.3



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2021/TPI2014			Weight: 37 lb	FT = 20%

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

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

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

**REACTIONS.** (lb/size) 1=194/9-9-13 (min. 0-1-8), 3=194/9-9-13 (min. 0-1-8), 4=339/9-9-13 (min. 0-1-8)  
Max Horz 1=-91(LC 8)  
Max Uplift 1=-21(LC 13), 3=-30(LC 13)

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

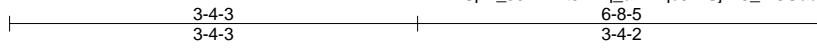
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
  - Non Standard bearing condition. Review required.

**LOAD CASE(S)** Standard

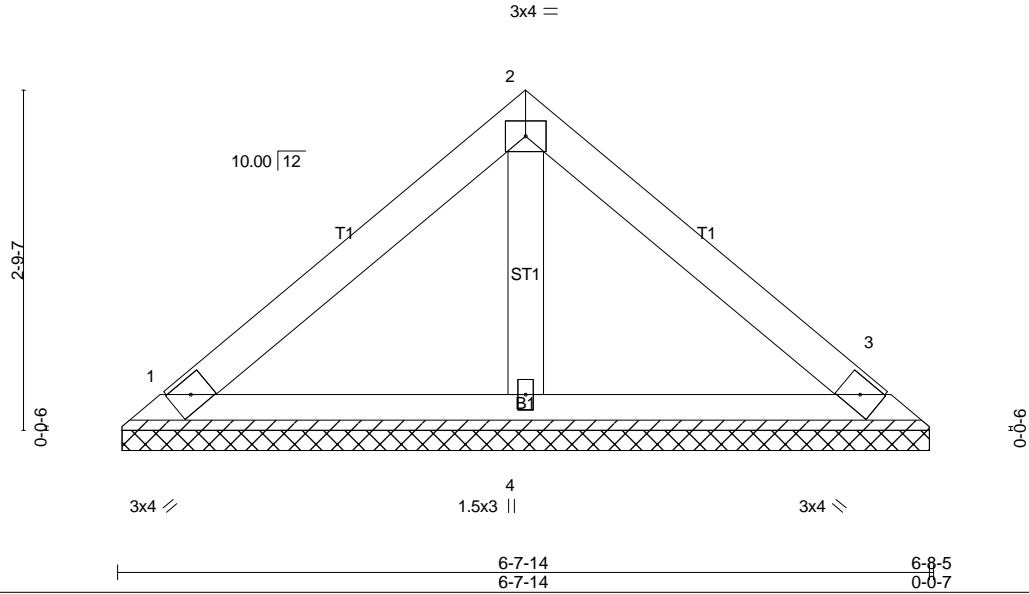
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	VB3	VALLEY	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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Scale = 1:18.9



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2021/TPI2014			Weight: 24 lb	FT = 20%

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

**BRACING-**  
TOP CHORD  
BOT CHORD

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

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

**REACTIONS.** (lb/size) 1=136/6-7-7 (min. 0-1-8), 3=136/6-7-7 (min. 0-1-8), 4=199/6-7-7 (min. 0-1-8)  
Max Horz 1=59(LC 9)  
Max Uplift1=-21(LC 13), 3=-26(LC 13)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6708	VB4	VALLEY	1	1	

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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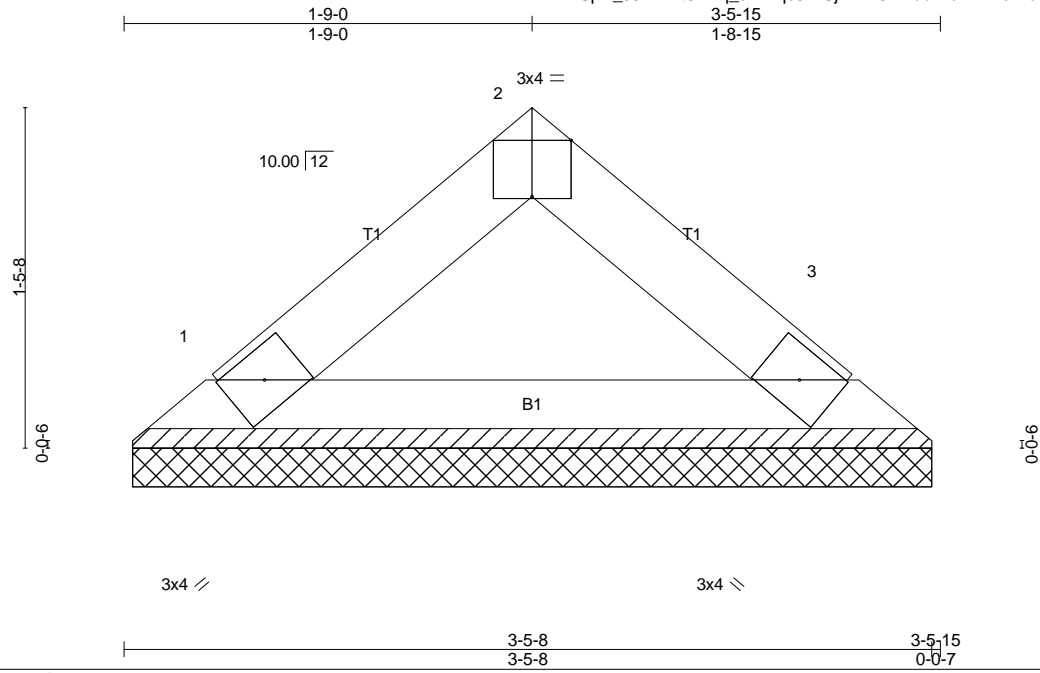


Plate Offsets (X,Y)-- [2:0-2-0,Edge]									
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2021/TPI2014		Matrix-P					Weight: 10 lb	FT = 20%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 1=108/3-5-1 (min. 0-1-8), 3=108/3-5-1 (min. 0-1-8)  
 Max Horz 1=-27(LC 8)  
 Max Uplift 1=-5(LC 12), 3=-5(LC 13)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
  - Gable requires continuous bottom chord bearing.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

**LOAD CASE(S)** Standard