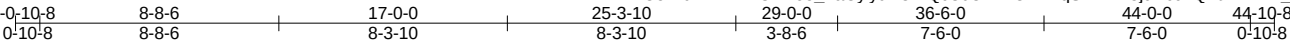


Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A1	ROOF SPECIAL	5	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Sun Feb 16 20:33:59 2025 Page 1

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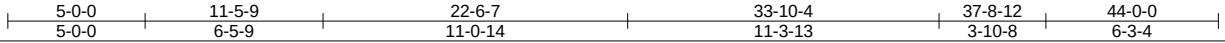
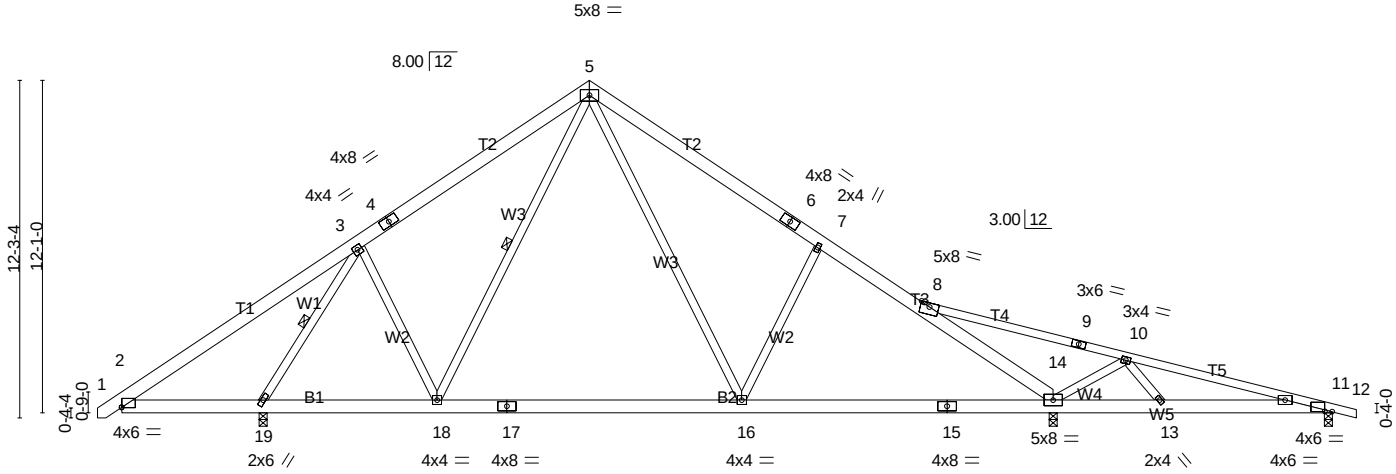


Plate Offsets (X,Y)--	[2:0-0,0-0-3], [11:0-3-4,0-0-3]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.20 16-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.56	Vert(CT)	-0.29 16-18	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.03 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.03 16-18	>999	240		
									Weight: 298 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* T4,T5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 6-0-0 oc bracing: 2-19. 1 Row at midpt 5-18, 3-19

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

REACTIONS. (lb/size) 14=1645/0-3-8 (min. 0-2-1), 19=1606/0-3-8 (min. 0-2-1), 11=363/0-3-8 (min. 0-1-8)
Max Horz 19=-285(LC 8)
Max Uplift14=-192(LC 11), 19=-131(LC 10), 11=-55(LC 7)
Max Grav14=1726(LC 2), 19=1723(LC 17), 11=366(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-357/446, 3-20=-332/615, 3-4=-1129/253, 4-21=-1017/274, 5-21=-997/304,
5-22=-1398/390, 6-22=-1408/361, 6-7=-1520/340, 7-8=-1563/294, 8-14=-1924/422,
8-9=-146/441, 9-10=-157/344, 10-23=-276/13, 11-23=-372/1
BOT CHORD 2-19=-371/399, 19-24=-83/825, 24-25=-83/825, 18-25=-83/825, 18-26=0/854, 17-26=0/854,
17-27=0/854, 16-27=0/854, 16-28=-57/1327, 28-29=-57/1327, 15-29=-57/1327,
14-15=-57/1327, 11-13=0/315
WEBS 3-18=-33/461, 5-16=-156/976, 7-16=-434/284, 10-14=-747/278, 3-19=-1857/583

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 12-7-3, Exterior(2) 12-7-3 to 21-4-13, Interior(1) 21-4-13 to 40-5-11, Exterior(2) 40-5-11 to 44-10-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 14=192, 19=131.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A2	ROOF SPECIAL	1	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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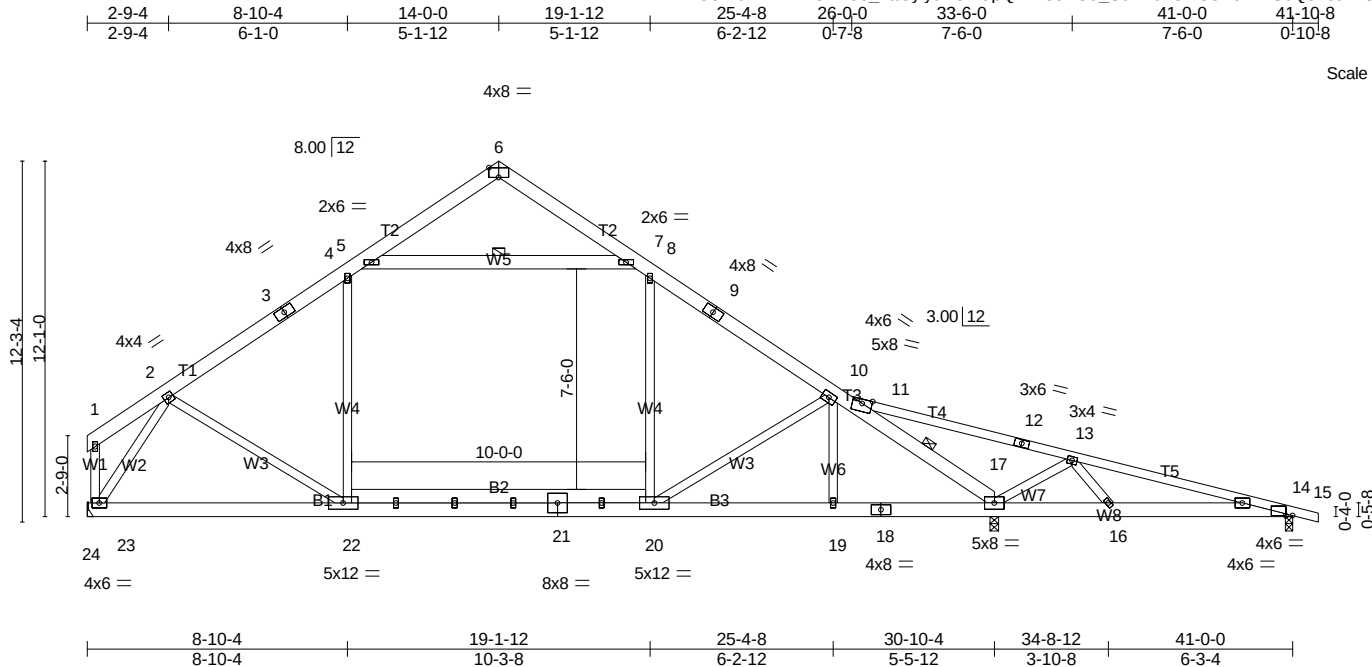


Plate Offsets (X,Y)-- [6:0-4-0,Edge], [14:0-2-12,0-0-1]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.77	Vert(LL) -0.23 20-22	>999 360
TCDL 10.0	Lumber DOL	1.15	BC 0.56	Vert(CT) -0.31 20-22	>999 240
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT) 0.03 17	n/a n/a
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL) 0.14 19-20	>999 240
				PLATES	GRIP
				MT20	244/190
				Weight: 319 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* T4,T5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Except: 1 Row at midpt 11-17
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,14-16.
WEBS 2x4 SP No.2 *Except* W5: 2x6 SP No.1	WEBS 1 Row at midpt 5-7
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 17=1963/0-3-8 (min. 0-2-6), 23=1144/Mechanical, 14=207/0-3-0 (min. 0-1-8)
Max Horz 23=-280(LC 6)
Max Uplift17=-287(LC 11), 23=-100(LC 10), 14=-237(LC 7)
Max Grav17=2016(LC 24), 23=1324(LC 17), 14=207(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-1419/320, 3-25=-1330/327, 3-4=-1309/348, 4-5=-1098/386, 5-26=-292/99,
6-26=-281/131, 6-27=-261/126, 7-27=-273/94, 7-8=-1125/381, 8-9=-1427/353,
9-10=-1540/333, 10-11=-1512/320, 11-17=-2719/515, 11-12=-532/1592, 12-13=-543/1495,
13-28=-506/996, 14-28=-525/946
BOT CHORD 22-23=-133/957, 21-22=-36/1251, 20-21=-36/1251, 19-20=-144/1178, 18-19=-144/1178,
17-18=-144/1178, 16-17=-1006/500, 14-16=-901/523
WEBS 2-22=-9/491, 4-22=0/371, 8-20=-71/448, 10-20=-107/277, 13-17=-818/265, 13-16=0/286,
2-23=-1461/341, 5-7=-1053/344

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf, BCDL=5.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 9-7-3, Exterior(2) 9-7-3 to 18-4-13, Interior(1) 18-4-13 to 37-5-11, Exterior(2) 37-5-11 to 41-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 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) except (jt=lb) 17=287, 23=100, 14=237.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A3	FINK	4	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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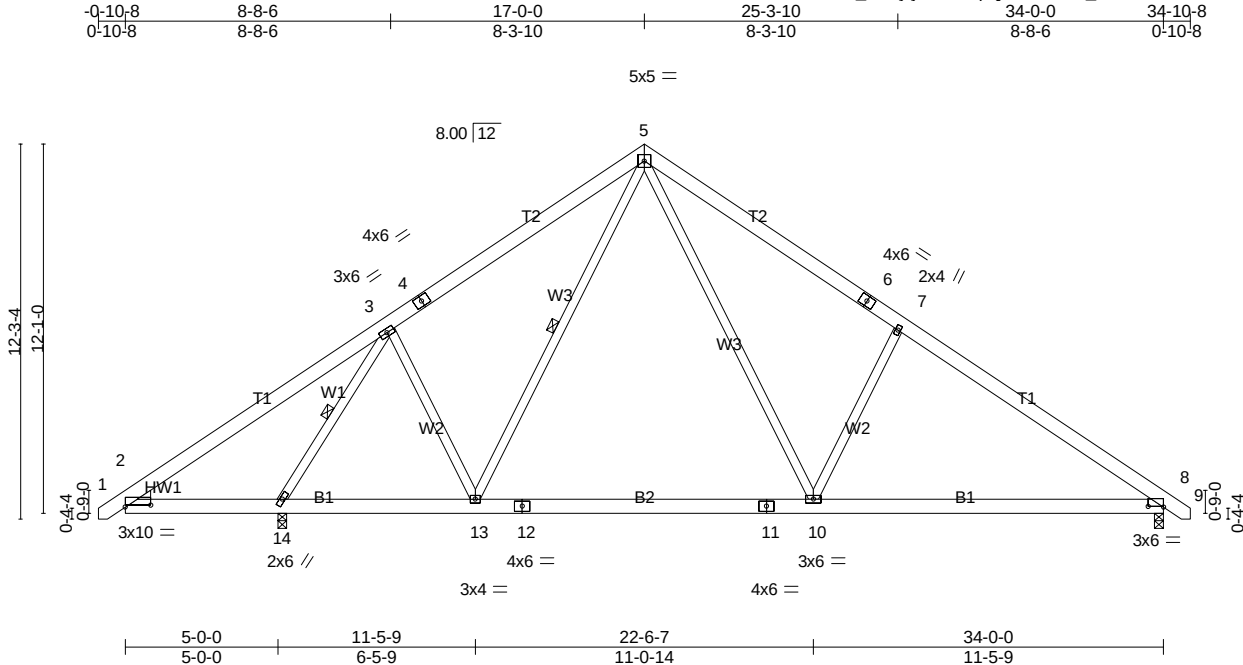


Plate Offsets (X,Y)--	[2:0-10-0,0-0-13], [8:0-6-0,0-0-5]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.38	Vert(LL)	-0.20 10-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.61	Vert(CT)	-0.27 10-13	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.03 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.04 8-10	>999	240		
Weight: 246 lb									FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-5-13 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 2-14.
WEDGE	WEBS 1 Row at midpt 5-13, 3-14
Left: 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=1164/0-3-8 (min. 0-1-10), 14=1640/0-3-8 (min. 0-2-1)
Max Horz 14=283(LC 9)
Max Uplift 8=-108(LC 11), 14=-135(LC 10)
Max Grav 8=1376(LC 18), 14=1751(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-368/445, 3-21=-343/613, 3-4=-1154/263, 4-22=-1043/285, 5-22=-1021/314, 5-23=-1539/443, 6-23=-1562/414, 6-7=-1673/393, 7-24=-1738/335, 8-24=-1816/301
BOT CHORD 2-14=-368/408, 14-15=-133/840, 15-16=-133/840, 13-16=-133/840, 12-13=0/883, 12-17=0/883, 17-18=0/883, 11-18=0/883, 10-11=0/883, 10-19=-119/1400, 19-20=-119/1400, 8-20=-119/1400
WEBS 3-13=-35/472, 5-10=-217/1147, 7-10=-565/340, 3-14=-1884/608

- 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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 12-7-3, Exterior(2) 12-7-3 to 21-4-13, Interior(1) 21-4-13 to 30-3-15, Exterior(2) 30-3-15 to 34-8-12 zone; cantilever left 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 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=108, 14=135.
 - 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

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A4	COMMON	5	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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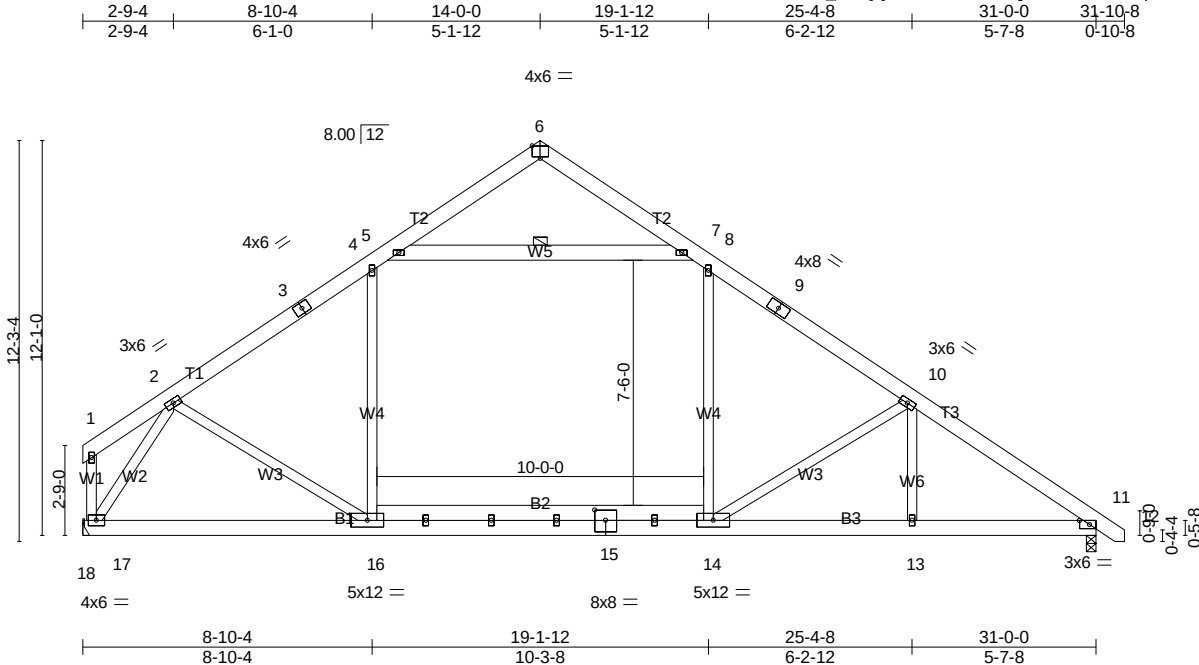


Plate Offsets (X,Y)-- [6:0-3-0,Edge], [11:0-3-10,0-1-8], [15:0-4-0,0-3-12]

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 0.44	Vert(LL)	-0.35 14-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.89	Vert(CT)	-0.51 14-16	>722	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.03 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.29 13-14	>999	240		
Weight: 267 lb									FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2 *Except*	7-4-11 oc bracing: 16-17.
W5: 2x6 SP No.1	1 Row at midpt 5-7
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 17=1228/Mechanical, 11=1276/0-3-8 (min. 0-1-10)
Max Horz 17=-279(LC 6)
Max Uplift 17=-80(LC 10), 11=-109(LC 11)
Max Grav 17=1376(LC 17), 11=1401(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-1578/353, 3-19=-1481/358, 3-4=-1438/381, 4-5=-1265/418, 5-20=-312/105,
6-20=-301/137, 7-8=-1182/402, 8-9=-1542/397, 9-10=-1665/384, 10-22=-1949/431,
11-22=-2078/409
BOT CHORD 16-17=-153/984, 15-16=-48/1335, 14-15=-48/1335, 13-14=-238/1633, 11-13=-238/1633
WEBS 4-16=0/377, 8-14=-4/577, 10-14=-618/235, 2-16=-67/671, 5-7=-1154/375, 2-17=-1529/367,
10-13=-19/264

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 9-7-3, Exterior(2) 9-7-3 to 18-4-13, Interior(1) 18-4-13 to 27-3-15, Exterior(2) 27-3-15 to 31-8-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 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) 17 except (jt=lb) 11=109.
 - 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	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A4GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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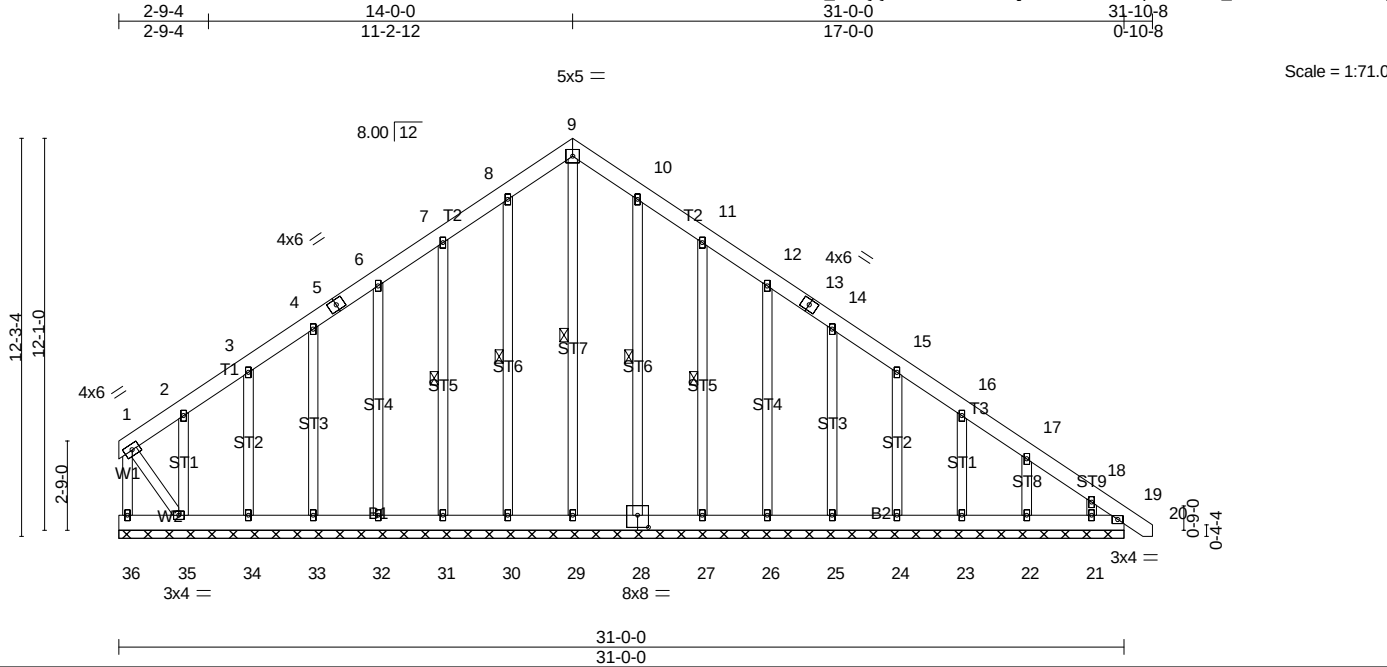


Plate Offsets (X,Y)--		[28:0-4-0,0-4-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06
TCDL 10.0	Lumber DOL	1.15	BC 0.03
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.00 19 n/r 120
			Vert(CT) -0.00 19 n/r 120
			Horz(CT) 0.01 19 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 306 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 9-29, 8-30, 7-31, 10-28, 11-27
OTHERS 2x4 SP No.2	
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 31-0-0.
(lb) - Max Horz 36=-344(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 19, 30, 32, 33, 34, 28, 26, 25, 24, 23, 22 except 36=-256(LC 8), 31=-106(LC 10), 35=-346(LC 10), 27=-107(LC 11), 21=-130(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 19, 29, 30, 31, 32, 33, 34, 28, 27, 26, 25, 24, 23, 22, 21 except 36=352(LC 7), 35=330(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-238/271, 8-9=-270/312, 9-10=-270/312, 10-11=-238/271, 17-18=-265/180, 18-19=-357/219, 1-36=-342/266
BOT CHORD 35-36=-314/341, 34-35=-167/296, 33-34=-167/296, 32-33=-167/296, 31-32=-167/296, 30-31=-167/296, 29-30=-167/296, 28-29=-167/296, 27-28=-167/296, 26-27=-167/296, 25-26=-167/296, 24-25=-167/296, 23-24=-167/296, 22-23=-167/296, 21-22=-167/296, 19-21=-167/296
WEBS 1-35=-248/319

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-3-4 to 4-8-1, Exterior(2) 4-8-1 to 9-7-3, Corner(3) 9-7-3 to 18-4-13, Exterior(2) 18-4-13 to 27-3-15, Corner(3) 27-3-15 to 31-8-12 zone;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. 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.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 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.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 30, 32, 33, 34, 28, 26, 25, 24, 23, 22 except (jt=lb) 36=256, 31=106, 35=346, 27=107, 21=130.
 - 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A4GE	GABLE	1	1	Job Reference (optional)

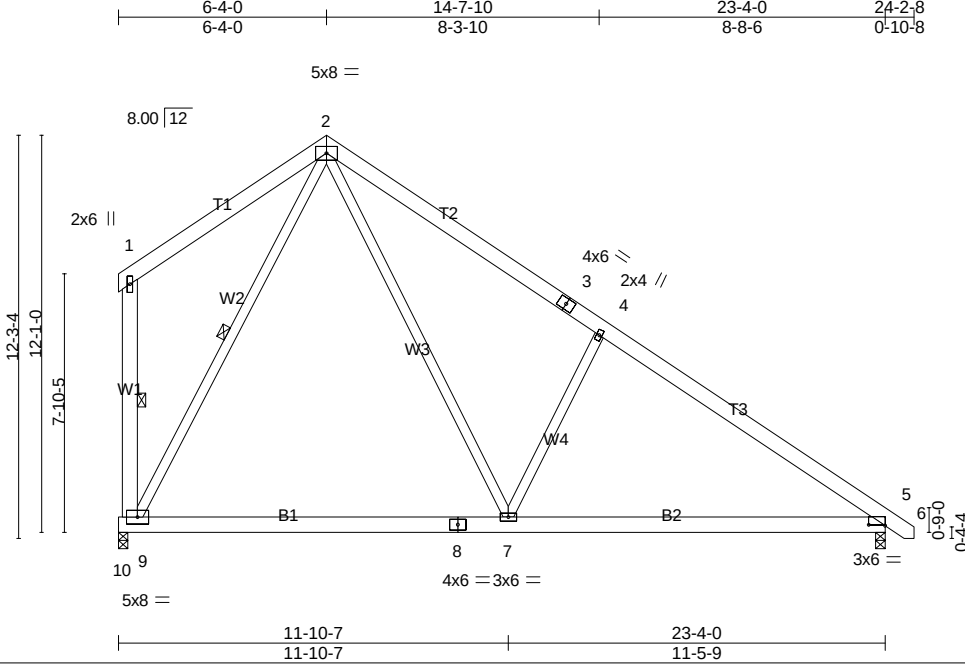
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A5	COMMON	5	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.26 7-9 >999 360	MT20		244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.35 7-9 >784 240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01 5 n/a n/a				
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04 5-7 >999 240				
Weight: 187 lb										FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2 *Except*	WEBS	1 Row at midpt 1-9, 2-9
	W1: 2x6 SP No.1		
		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. (lb/size) 9=919/0-3-8 (min. 0-1-8), 5=967/0-3-8 (min. 0-1-8)
Max Horz 9=-301(LC 11)
Max Uplift 9=-116(LC 11), 5=-63(LC 11)
Max Grav 9=1185(LC 18), 5=1121(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1109/333, 3-11=-1133/303, 3-4=-1244/282, 4-12=-1307/224, 5-12=-1384/189
BOT CHORD 9-13=0/494, 13-14=0/494, 8-14=0/494, 7-8=0/494, 7-15=-29/1043, 15-16=-29/1043, 5-16=-29/1043
WEBS 2-7=-209/1196, 4-7=-582/345, 2-9=-892/206

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 10-8-13, Interior(1) 10-8-13 to 19-7-15, Exterior(2) 19-7-15 to 24-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 9=116.
 - 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	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A5GE	GABLE	1	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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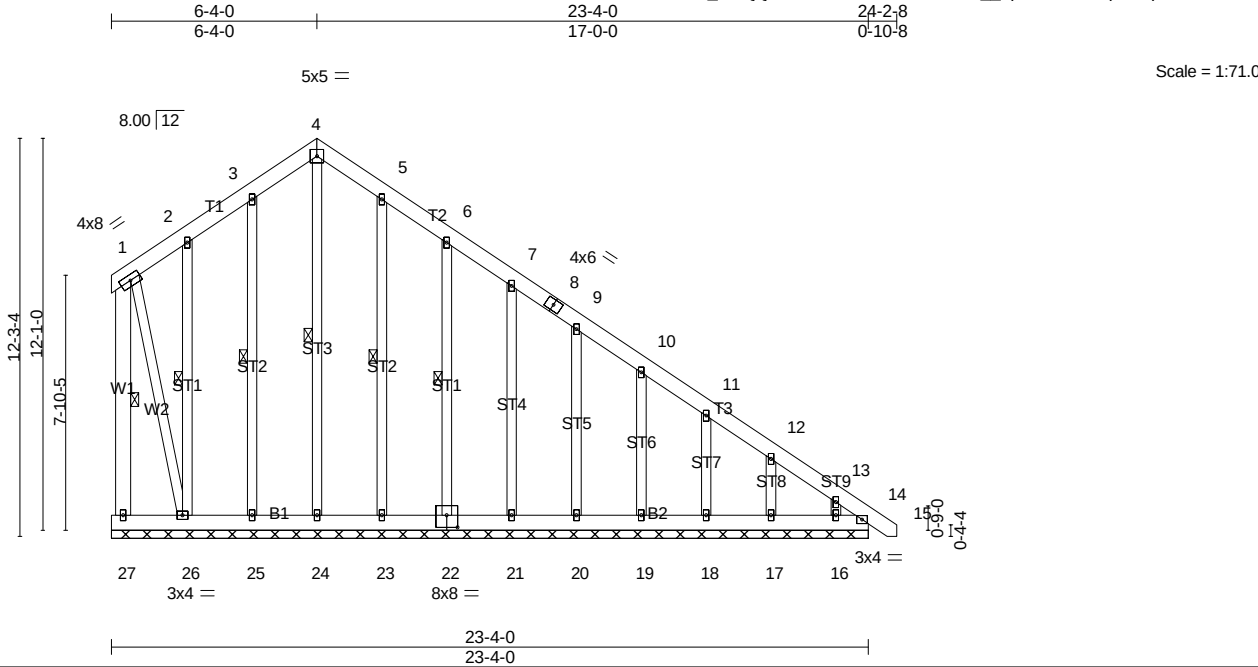


Plate Offsets (X,Y)-- [22:0-4-0,0-4-8]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.03	Vert(LL) -0.00	14 n/r 120
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT) -0.00	14 n/r 120
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT) 0.01	14 n/a n/a
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S		
					PLATES MT20 GRIP 244/190
					Weight: 257 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.1 *Except*	WEBS 1 Row at midpt 1-27, 4-24, 3-25, 2-26, 5-23, 6-22
W2: 2x4 SP No.2	
OTHERS 2x4 SP No.2	
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

REACTIONS. All bearings 23-4-0.
(lb) - Max Horz 27=-446(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 25, 23, 22, 21, 20, 19, 18, 17 except 27=-136(LC 11), 14=-146(LC 9), 26=-137(LC 10), 16=-158(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 27, 24, 25, 23, 22, 21, 20, 19, 18, 17, 16 except 14=317(LC 11), 26=252(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-260/189, 11-12=-333/215, 12-13=-414/267, 13-14=-519/349
BOT CHORD 26-27=-270/444, 25-26=-261/419, 24-25=-261/419, 23-24=-261/419, 22-23=-261/419, 21-22=-261/419, 20-21=-261/419, 19-20=-261/419, 18-19=-261/419, 17-18=-261/419, 16-17=-261/419, 14-16=-261/419

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-4-4 to 10-8-13, Exterior(2) 10-8-13 to 19-7-15, Corner(3) 19-7-15 to 24-0-12 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, 23, 22, 21, 20, 19, 18, 17 except (jt=lb) 27=136, 14=146, 26=137, 16=158.
 - 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.

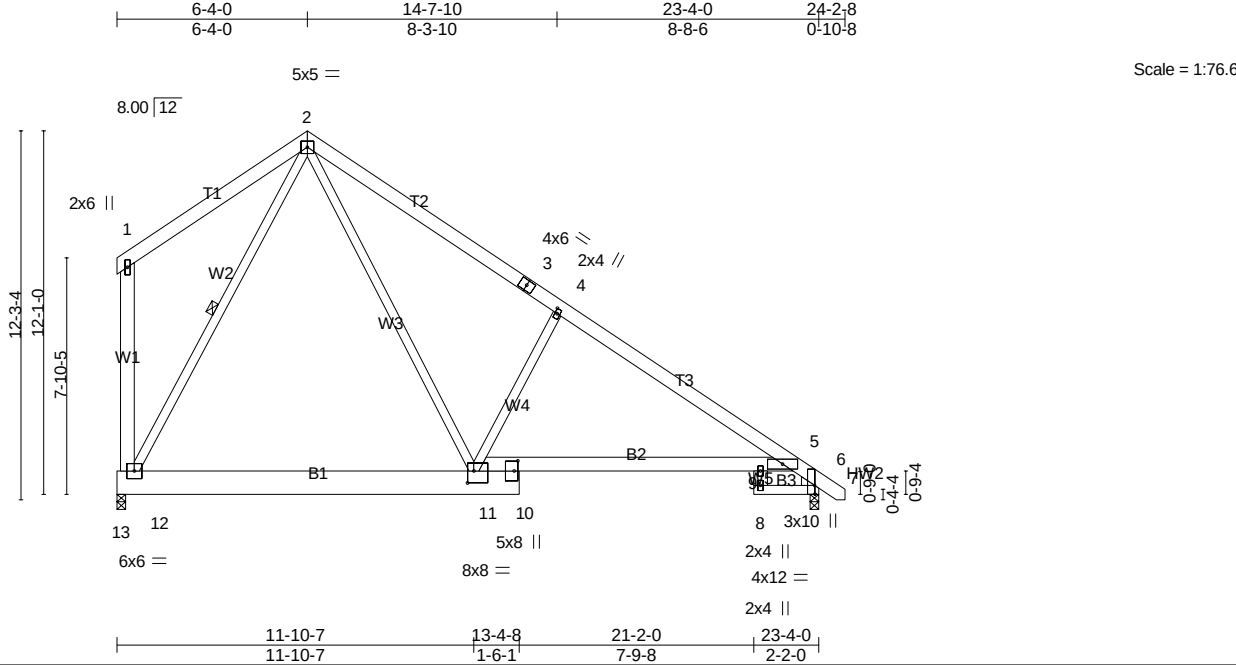
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	A6	COMMON	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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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 0.41	Vert(LL)	-0.10	9-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.43	Vert(CT)	-0.22	9-11	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.10	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.08	9-11	>999	240		
									Weight: 212 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
B1: 2x10 SP No.1, B3: 2x4 SP No.1	WEBS 1 Row at midpt 2-12
WEBS 2x4 SP No.2 *Except*	
W1,W5: 2x6 SP No.1	
WEDGE	
Right: 2x4 SP No.2	

REACTIONS. (lb/size) 12=919/0-3-8 (min. 0-1-8), 6=967/0-3-8 (min. 0-1-8)

Max Horz 12=-302(LC 11)

Max Uplift 12=-114(LC 11), 6=-65(LC 11)

Max Grav 12=1160(LC 18), 6=1073(LC 18)

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

TOP CHORD 2-14=-1227/340, 3-14=-1252/311, 3-4=-1363/289, 4-15=-1411/232, 5-15=-1468/199, 5-6=-809/158

BOT CHORD 12-16=0/495, 16-17=0/498, 11-17=0/505, 10-11=-41/1025, 10-18=-28/1158, 18-19=-28/1158, 9-19=-28/1158, 5-9=-28/1158

WEBS 2-11=-208/1323, 4-11=-616/333, 2-12=-952/198

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 10-8-13, Interior(1) 10-8-13 to 19-7-15, Exterior(2) 19-7-15 to 24-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 12=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.

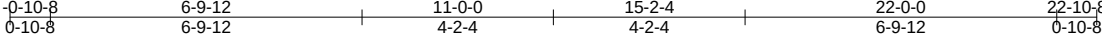
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	B1	COMMON	5	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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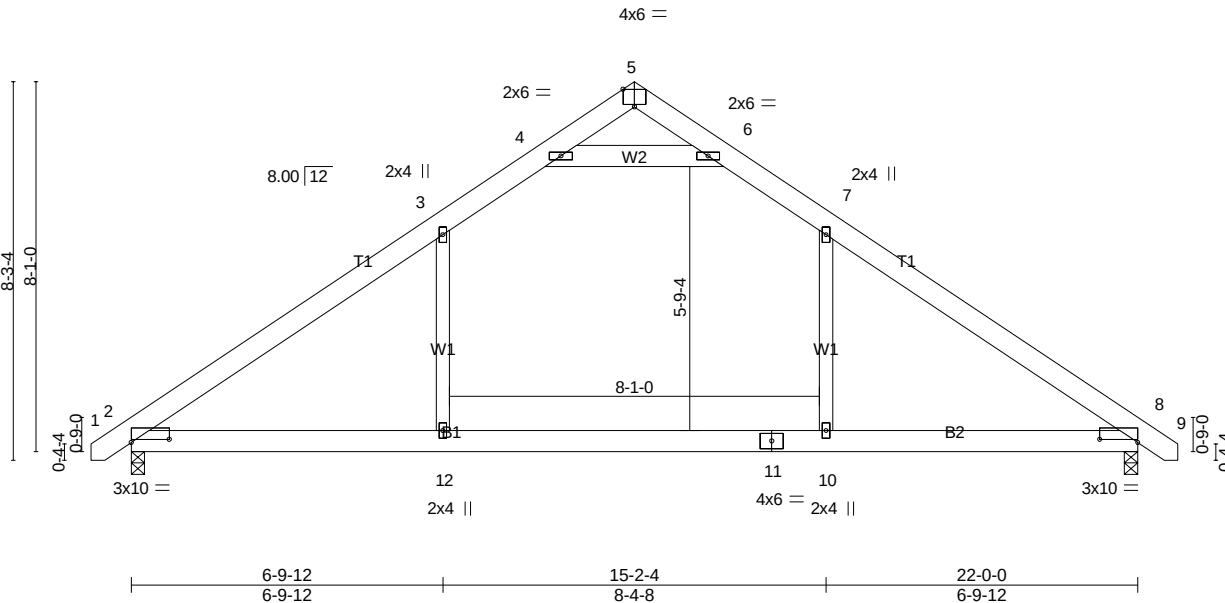


Plate Offsets (X,Y)--	[2:0-10-0,0-0-13], [5:0-3-0,Edge], [8:0-10-0,0-0-13]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.56	Vert(LL)	-0.16 10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.43	Vert(CT)	-0.25 10-12	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.02 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.11 2-12	>999	240		
									Weight: 141 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
W2: 2x6 SP No.1	

REACTIONS. (lb/size) 2=921/0-3-8 (min. 0-1-8), 8=921/0-3-8 (min. 0-1-8)
Max Horz 2=187(LC 9)
Max Uplift 2=-79(LC 10), 8=-79(LC 11)
Max Grav 2=1044(LC 17), 8=1044(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1418/248, 3-13=-1270/266, 3-4=-975/325, 4-5=-122/519, 5-6=-122/520,
6-7=-975/325, 7-14=-1270/266, 8-14=-1418/248
BOT CHORD 2-12=-73/1060, 11-12=-73/1060, 10-11=-73/1060, 8-10=-73/1060
WEBS 7-10=0/468, 3-12=0/468, 4-6=-1602/537

- NOTES-
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf, BCDL=5.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 6-7-3, Exterior(2) 6-7-3 to 15-2-4, Interior(1) 15-2-4 to 18-3-15, Exterior(2) 18-3-15 to 22-8-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	B1GE	GABLE	1	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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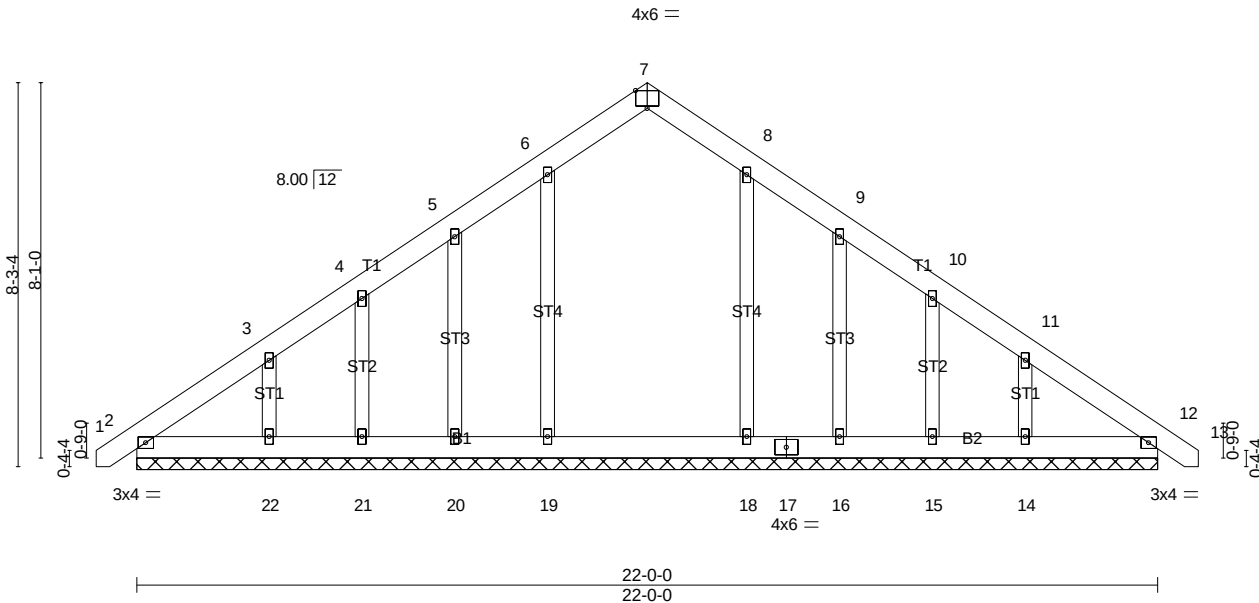


Plate Offsets (X,Y)--	[7:0-3-0,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.04	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.07	Vert(CT)	0.00	12	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.01	12	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
Weight: 163 lb FT = 20%										

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=234(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 21, 18, 15 except 20=-114(LC 10), 22=-151(LC 10), 16=-120(LC 11), 14=-150(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 20, 21, 22, 16, 15, 14 except 19=374(LC 17), 18=356(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-270/142, 11-12=-250/142
BOT CHORD 2-22=-127/251, 21-22=-127/251, 20-21=-127/251, 19-20=-127/251, 18-19=-127/251, 17-18=-127/251, 16-17=-127/251, 15-16=-127/251, 14-15=-127/251, 12-14=-127/251

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-12 to 3-8-1, Exterior(2) 3-8-1 to 6-7-3, Corner(3) 6-7-3 to 15-1-12, Exterior(2) 15-1-12 to 18-3-15, Corner(3) 18-3-15 to 22-8-12 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 21, 18, 15 except (jt=lb) 20=114, 22=151, 16=120, 14=150.
 - 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	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	B2	COMMON	6	1	
Job Reference (optional)					

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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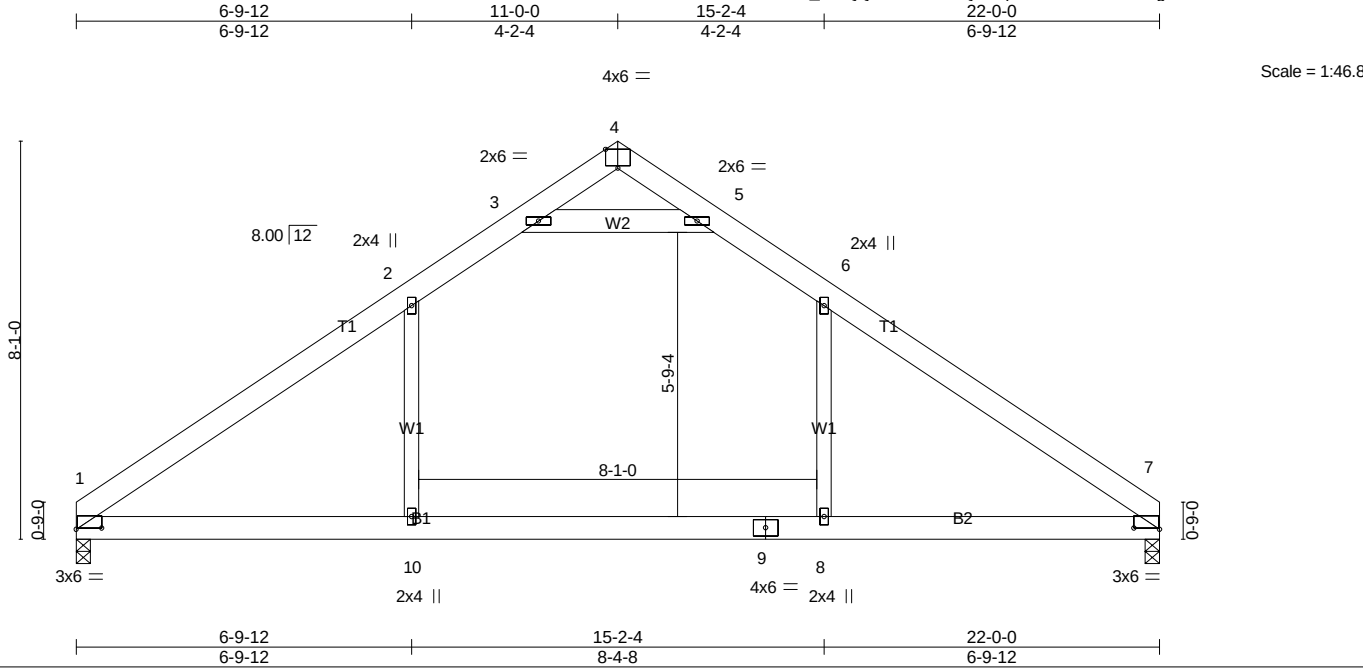


Plate Offsets (X,Y)-- [1:0-6-4,0-0-5], [4:0-3-0,Edge], [7:0-6-4,0-0-5]

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 0.57	Vert(LL)	-0.17	8-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.43	Vert(CT)	-0.25	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.21	Horz(CT)	0.02	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.11	1-10	>999	240		
									Weight: 137 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-9-15 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
W2: 2x6 SP No.1	

REACTIONS. (lb/size) 1=868/0-3-8 (min. 0-1-8), 7=868/0-3-8 (min. 0-1-8)
Max Horz 1=-182(LC 6)
Max Uplift 1=-67(LC 10), 7=-67(LC 11)
Max Grav 1=995(LC 17), 7=995(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1418/257, 2-11=-1276/274, 2-3=-978/336, 3-4=-141/531, 4-5=-141/532,
5-6=-978/336, 6-12=-1276/274, 7-12=-1418/257
BOT CHORD 1-10=-98/1061, 9-10=-98/1061, 8-9=-98/1061, 7-8=-98/1061
WEBS 6-8=0/462, 2-10=0/462, 3-5=-1620/573

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 6-7-3, Exterior(2) 6-7-3 to 15-2-4, Interior(1) 15-2-4 to 17-5-7, Exterior(2) 17-5-7 to 21-10-4 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
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.

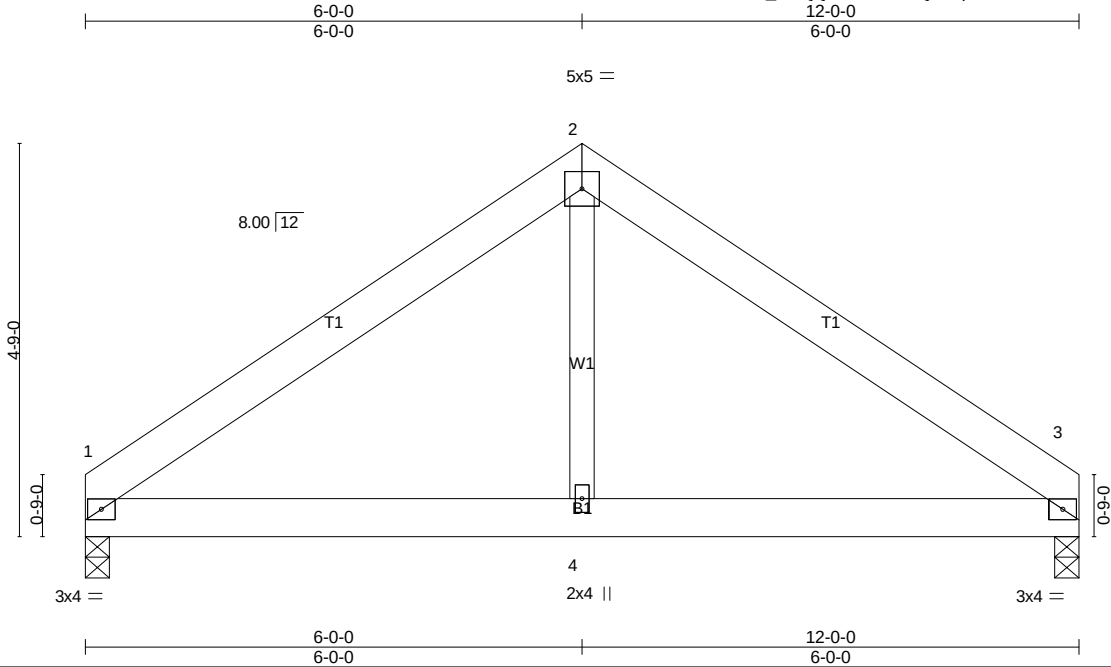
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	C1	COMMON	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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Scale = 1:27.8

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 0.16	Vert(LL)	-0.01	3-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.13	Vert(CT)	-0.02	3-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.01	1-4	>999	240	Weight: 69 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=468/0-3-8 (min. 0-1-8), 3=468/0-3-8 (min. 0-1-8)
Max Horz 1=102(LC 9)
Max Uplift1=-35(LC 10), 3=-35(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-559/171, 2-3=-559/171
BOT CHORD 1-4=-27/376, 3-4=-27/376
WEBS 2-4=0/285

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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.

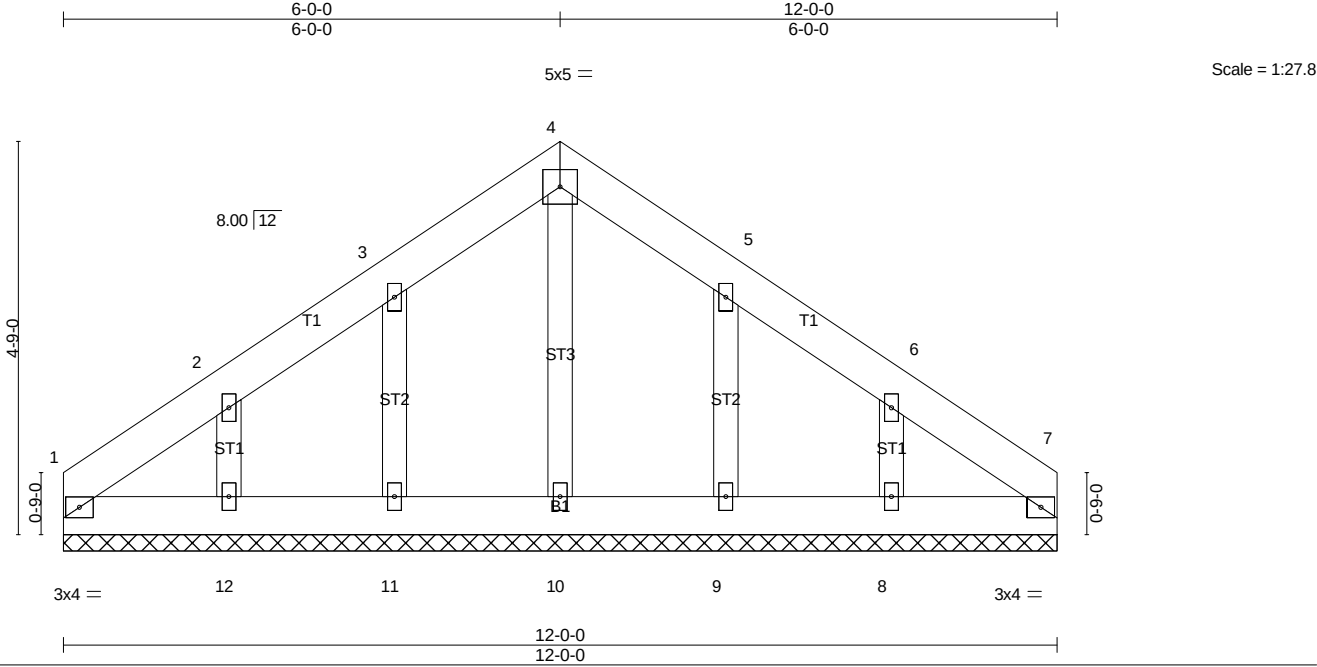
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	C1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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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 0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.01	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 80 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x6 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-0-0.
 (lb) - Max Horz 1=-127(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 9 except 12=-120(LC 10), 8=-119(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 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) 1, 11, 9 except (jt=lb) 12=120, 8=119.
 - 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	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	C1GR	Common Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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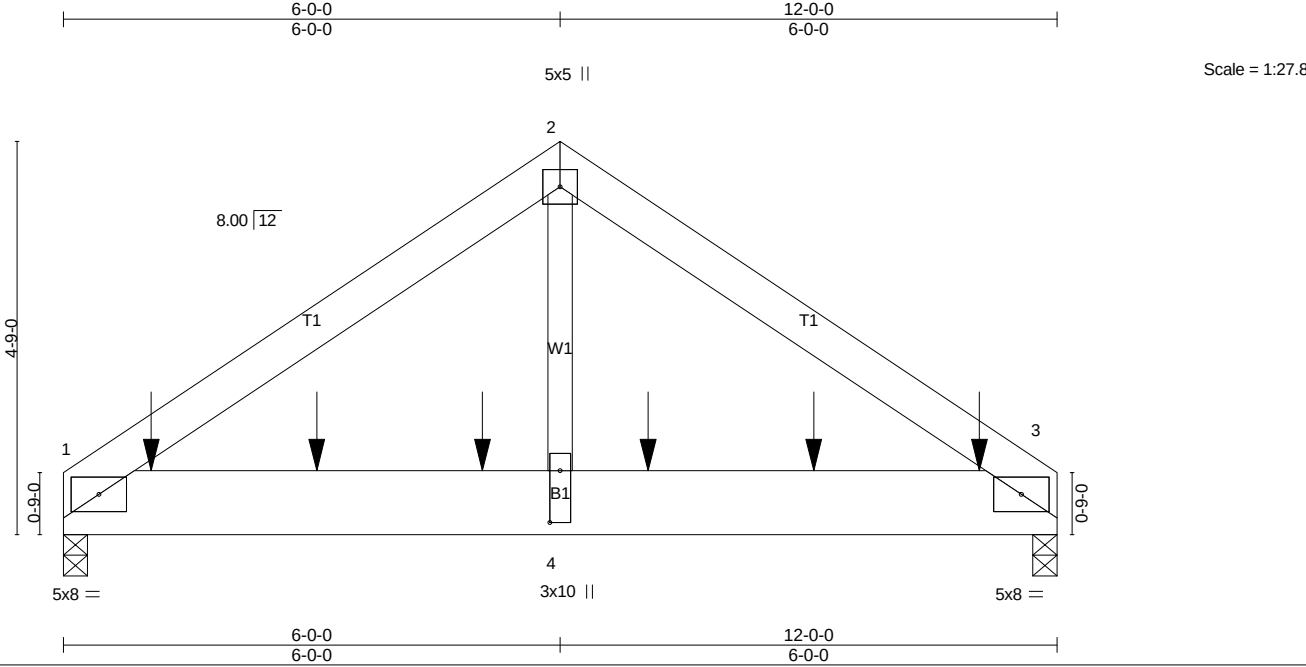


Plate Offsets (X,Y)--	[4:0-7-8,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	-0.03	3-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.57	Vert(CT)	-0.06	3-4	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.57	Horz(CT)	0.01	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.02	3-4	>999	240		
Weight: 175 lb FT = 20%										

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (lb/size) 1=3915/0-3-8 (min. 0-2-7), 3=4121/0-3-8 (min. 0-2-9)
Max Horz 1=-98(LC 23)
Max Uplift 1=-305(LC 8), 3=-309(LC 9)
Max Grav 1=4178(LC 2), 3=4374(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4421/341, 2-3=-4420/341
BOT CHORD 1-5=-224/3588, 5-6=-224/3588, 6-7=-224/3588, 4-7=-224/3588, 4-8=-224/3588,
8-9=-224/3588, 9-10=-224/3588, 3-10=-224/3588
WEBS 2-4=-262/4638

- 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: 2x10 - 2 rows staggered at 0-4-0 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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
 - 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=305, 3=309.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1179 lb down and 101 lb up at 1-0-12, 1310 lb down and 100 lb up at 3-0-12, 1310 lb down and 100 lb up at 5-0-12, 1310 lb down and 100 lb up at 7-0-12, and 1310 lb down and 100 lb up at 9-0-12, and 1313 lb down and 98 lb up at 11-0-12 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

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	C1GR	Common Girder	1	2	Job Reference (optional)

LOAD CASE(S) Standard

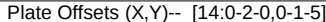
Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: 5=-1057(B) 6=-1208(B) 7=-1208(B) 8=-1208(B) 9=-1208(B) 10=-1210(B)

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LUMBER-

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

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

TOP CHORD 2-3=-299/341, 3-19=-263/304, 4-19=-258/330, 4-5=-241/318, 5-6=-245/350, 6-7=-240/376,
7-20=-187/258, 8-20=-182/285, 8-9=-176/317, 9-10=-156/334

BOT CHORD 2-18=-307/134, 17-18=-307/134, 16-17=-307/134, 15-16=-307/134, 14-15=-307/134,
13-14=-404/182, 12-13=-410/181, 11-12=-366/158

WEBS 7-15=-497/216

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 10-5-7, Exterior(2) 10-5-7 to 14-10-4 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) All plates are 2x4 MT20 unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 18 except (jt=lb) 15=357, 16=341.
- 8) Non Standard bearing condition. Review required.
- 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	VG2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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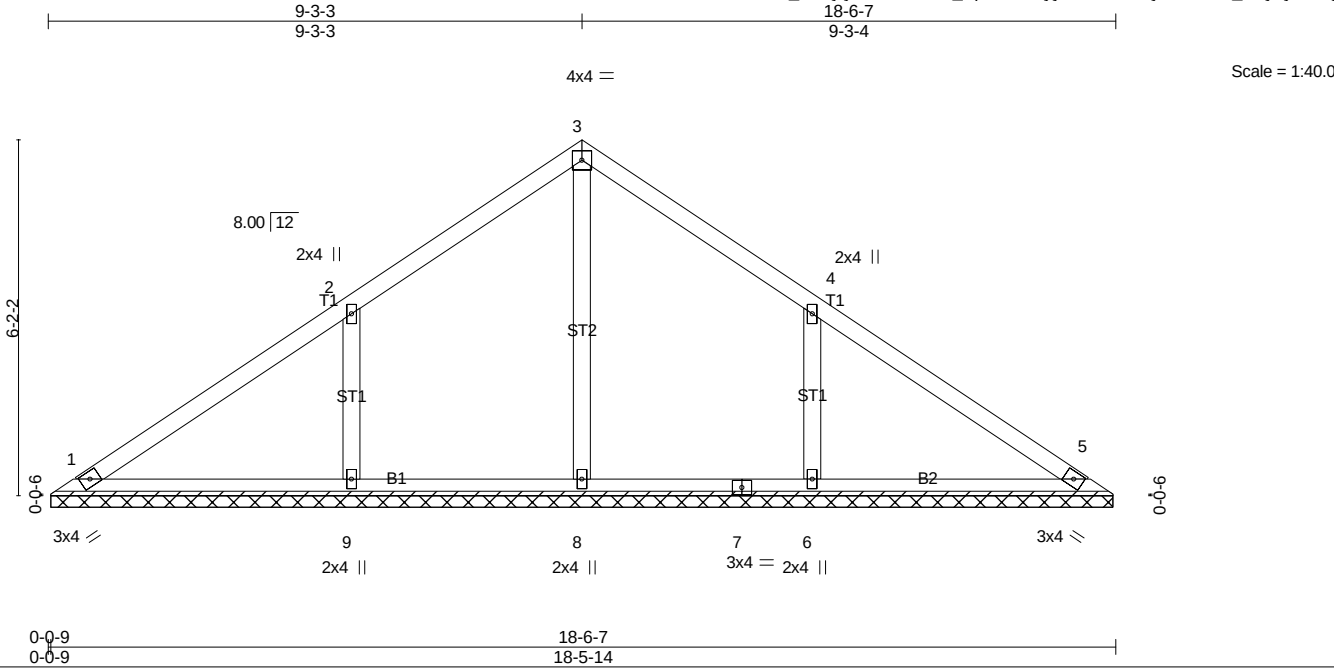


Plate Offsets (X,Y)--	[4:0-0-0,0-0-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.16	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 76 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 18-5-5.
(lb) - Max Horz 1=-140(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-137(LC 10), 6=-137(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=399(LC 17), 9=502(LC 17), 6=492(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-378/264, 4-6=-378/264

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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=137, 6=137.
6) Non Standard bearing condition. Review required.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	VG3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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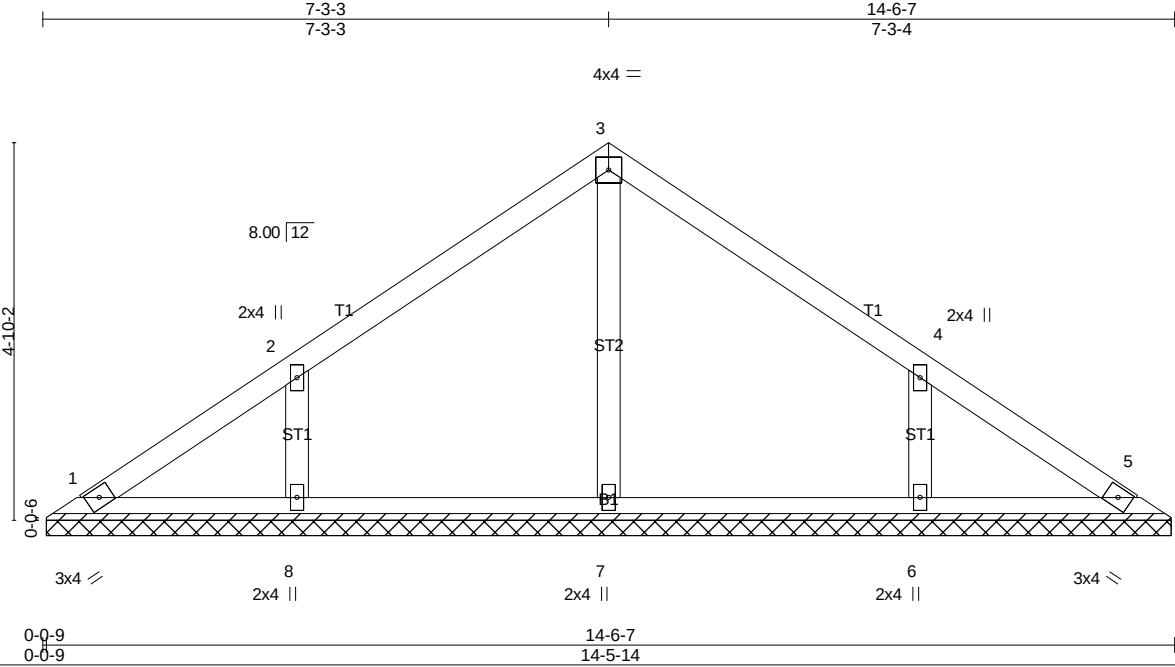


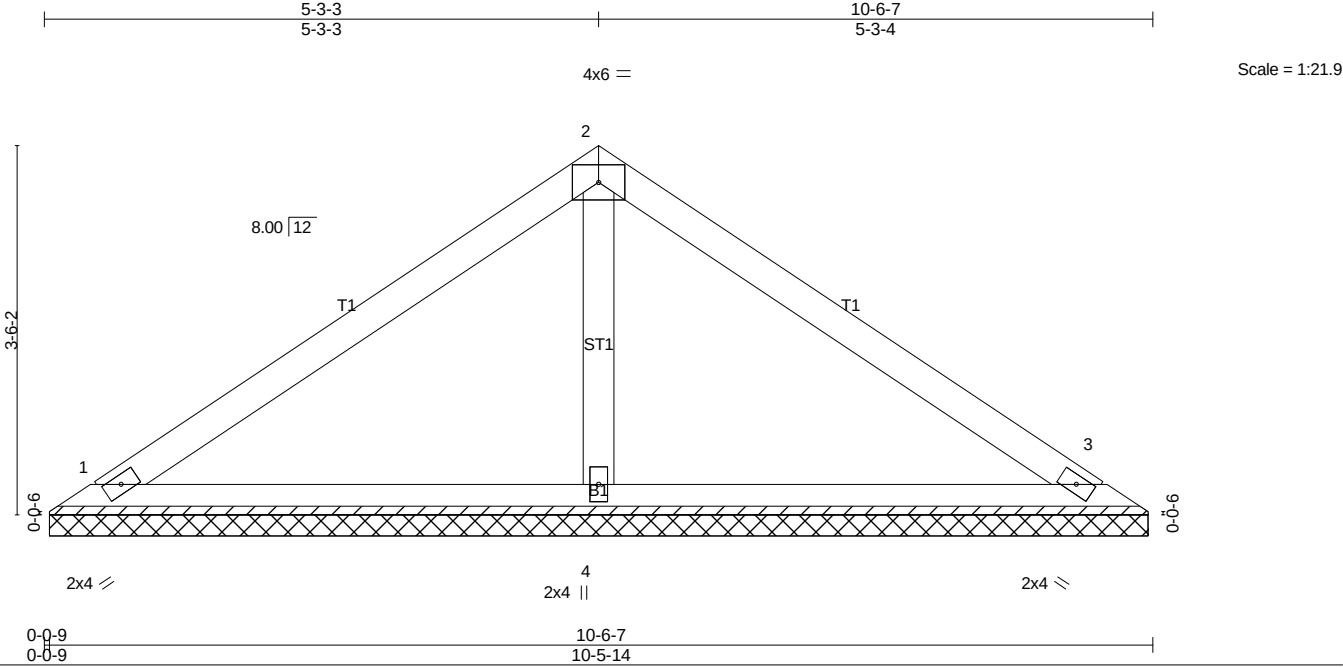
Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a - n/a	999	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a - n/a	999	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00 5 n/a	n/a	
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 57 lb FT = 20%

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	VG4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.24		Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.17		Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05		Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 37 lb	FT = 20%

LUMBER-	BRACING-	
TOP CHORD 2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=190/10-5-5 (min. 0-1-8), 3=190/10-5-5 (min. 0-1-8), 4=385/10-5-5 (min. 0-1-8)
Max Horz 1=-77(LC 6)
Max Uplift1=-27(LC 10), 3=-35(LC 11), 4=-5(LC 10)

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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, 4.
 - Non Standard bearing condition. Review required.
 - 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.

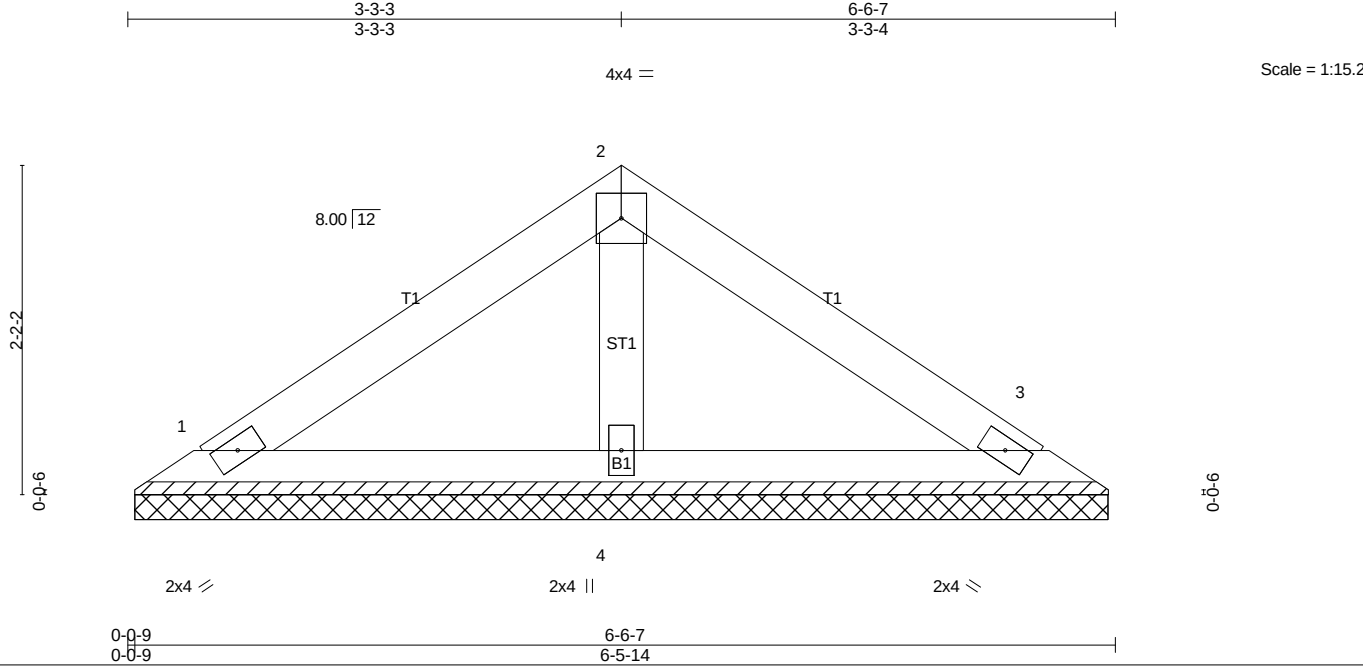
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	VG5	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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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 0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 22 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD
BOT CHORD 2x4 SP No.1	BOT CHORD
OTHERS 2x4 SP No.2	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=121/6-5-5 (min. 0-1-8), 3=121/6-5-5 (min. 0-1-8), 4=203/6-5-5 (min. 0-1-8)
Max Horz 1=-45(LC 6)
Max Uplift 1=-21(LC 10), 3=-25(LC 11)

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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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	Truss	Truss Type	Qty	Ply	Matthews / 1 HWY 27 Lillington /Harnett
J0125-0087	VG6	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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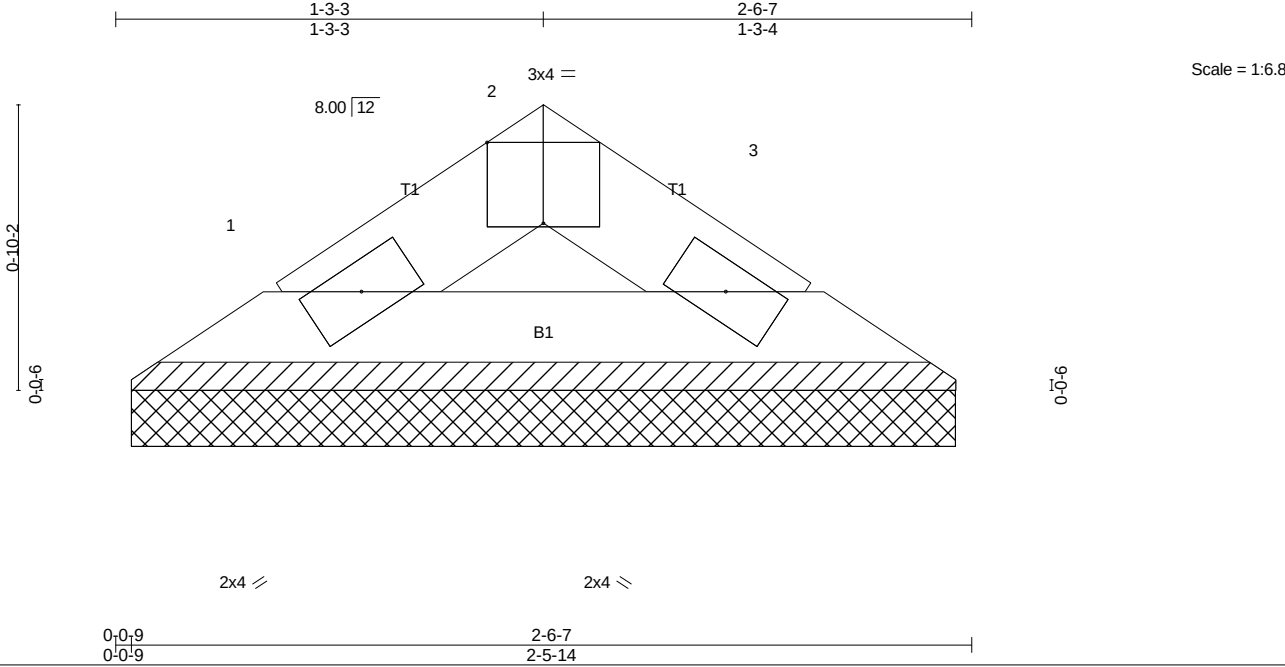


Plate Offsets (X,Y)-- [2:0-2-0,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	Weight: 6 lb	FT = 20%
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P					

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins.
BOT CHORD 2x4 SP No.1	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=62/2-5-5 (min. 0-1-8), 3=62/2-5-5 (min. 0-1-8)
Max Horz 1=13(LC 9)
Max Uplift 1=-5(LC 10), 3=-5(LC 11)

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=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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