

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	A1	FINK	2	1	Job Reference (optional)

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

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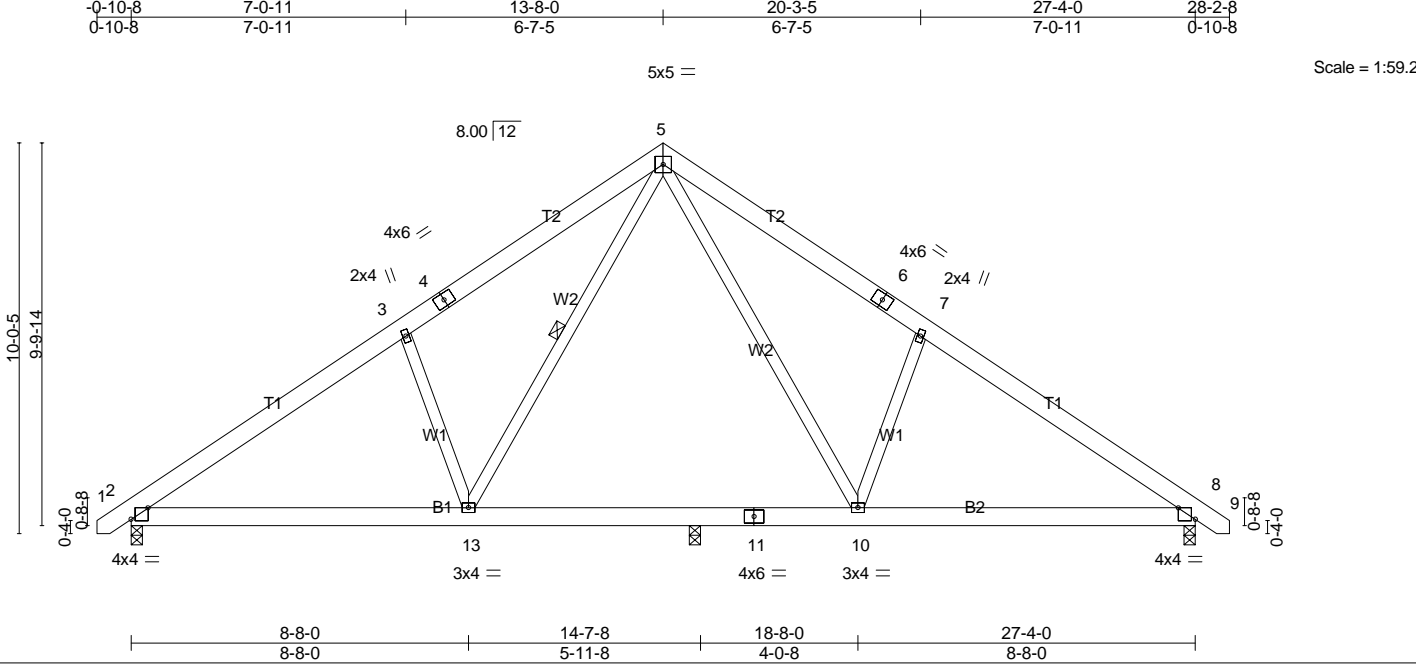


Plate Offsets (X,Y)--	[2:0-5-4,Edge], [8:0-5-4,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.04	8-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.11	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.02	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.09	2-13	>999	240		
									Weight: 191 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>
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 9-10-14 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-13

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

**REACTIONS.** (lb/size) 2=1057/0-3-8 (min. 0-1-8), 8=1048/0-3-8 (min. 0-1-8), 12=161/0-3-8 (min. 0-1-8)  
Max Horz 2=230(LC 11)  
Max Uplift 2=96(LC 9), 8=84(LC 13), 12=15(LC 9)  
Max Grav 2=1057(LC 1), 8=1048(LC 1), 12=402(LC 18)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-16=-1382/778, 3-16=-1283/807, 3-4=-1263/883, 4-17=-1247/886, 5-17=-1217/923,  
5-18=-1240/637, 6-18=-1270/600, 6-7=-1281/597, 7-19=-1261/523, 8-19=-1361/497  
BOT CHORD 2-13=-541/1066, 13-14=-154/698, 12-14=-154/698, 11-12=-154/698, 11-15=-154/698,  
10-15=-154/698, 8-10=-307/1049  
WEBS 3-13=-453/280, 5-13=-637/566, 5-10=-141/606, 7-10=-456/271

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 13-8-0, Exterior(2) 13-8-0 to 18-0-13, Interior(1) 18-0-13 to 28-0-9 zone; porch 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) 2, 8, 12.
  - 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	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	A1-STR	GABLE	1	1	Job Reference (optional)

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

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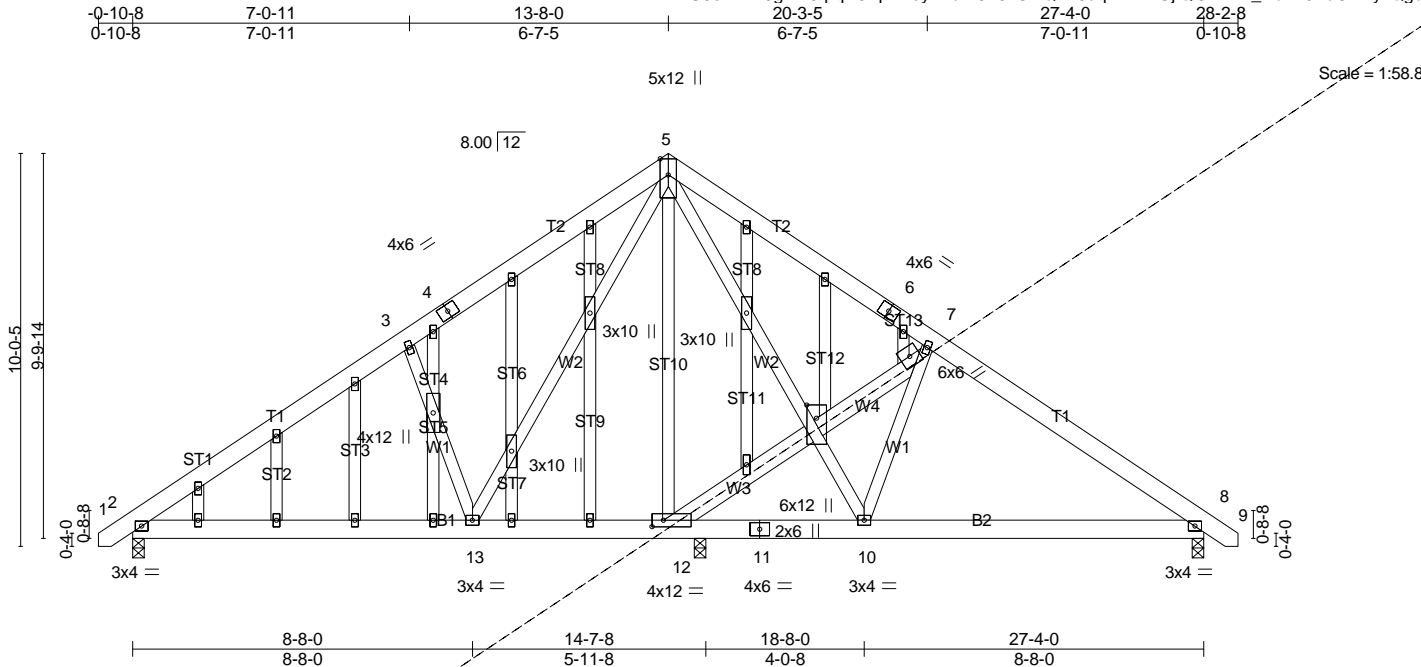


Plate Offsets (X,Y)--	[12:0-3-8,0-2-0], [14:0-4-0,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.04	8-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.27	Vert(CT)	-0.10	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.02	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.04	2-13	>999	240		
									Weight: 275 lb	FT = 25%

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.
W3,W4: 2x6 SP No.1	
OTHERS 2x4 SP No.2	

**REACTIONS.** (lb/size) 2=1057/0-3-8 (min. 0-1-8), 8=1053/0-3-8 (min. 0-1-8), 12=156/0-3-8 (min. 0-1-8)  
Max Horz2=-287(LC 10)  
Max Uplift2=-238(LC 12), 8=-241(LC 13)  
Max Grav2=1057(LC 1), 8=1053(LC 1), 12=185(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-37=-1379/306, 3-37=-1280/333, 3-4=-1329/408, 4-38=-1317/417, 5-38=-1287/448, 5-39=-1280/453, 6-39=-1310/424, 6-7=-1321/413, 7-40=-1273/334, 8-40=-1372/307  
BOT CHORD 2-13=-310/1144, 12-13=-63/722, 11-12=-63/722, 10-11=-63/722, 8-10=-152/1058  
WEBS 3-13=-454/362, 5-13=-271/627, 5-10=-276/615, 7-10=-454/362

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 13-8-0, Exterior(2) 13-8-0 to 18-0-13, Interior(1) 18-0-13 to 28-0-9 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 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) except (jt=lb) 2=238, 8=241.
  - 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	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORTA2		FINK	6	1	Job Reference (optional)

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

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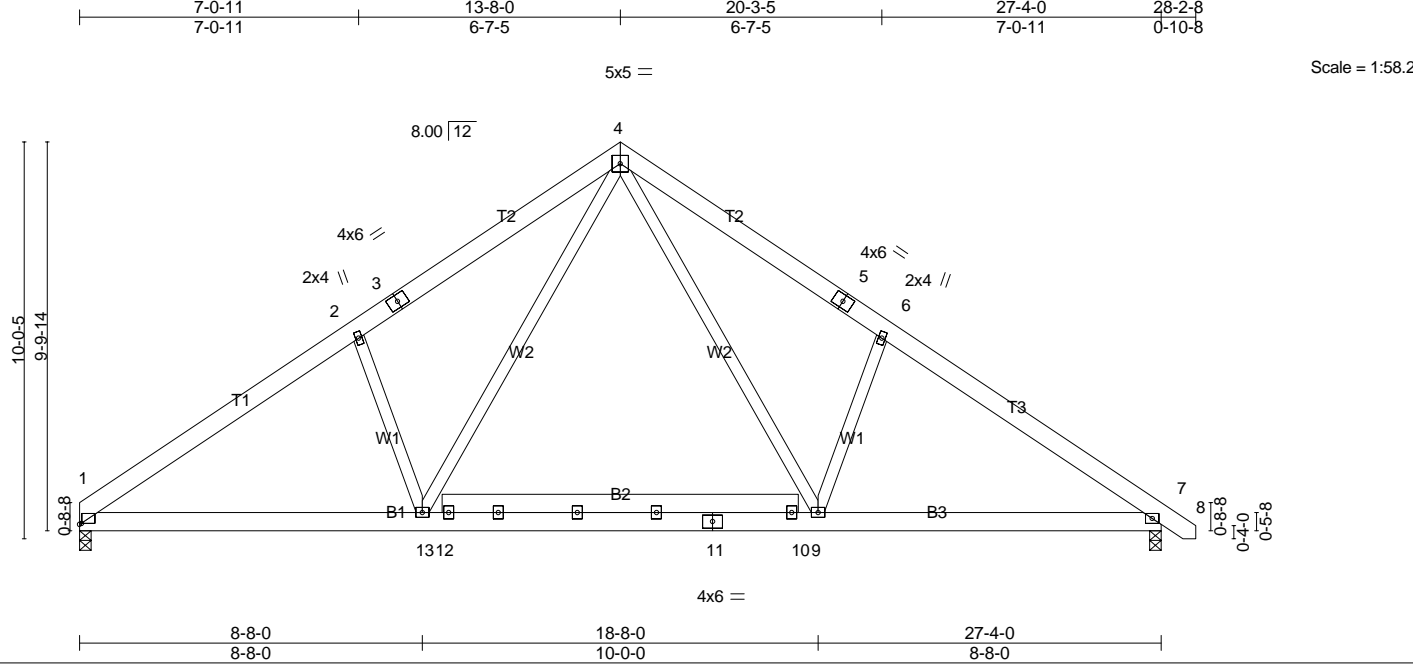


Plate Offsets (X,Y)--	[1:0-0-11,0-0-5]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.08	9-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.30	Vert(CT)	-0.12	9-13	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.33	Horz(CT)	0.03	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.03	13	>999	240		
Weight: 209 lb FT = 25%										

<b>LUMBER-</b> TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.2	<b>BRACING-</b> 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=1081/0-3-8 (min. 0-1-8), 7=1134/0-3-8 (min. 0-1-8)  
Max Horz 1=-228(LC 8)  
Max Uplift 1=-56(LC 12), 7=-68(LC 13)  
Max Grav 1=1116(LC 19), 7=1163(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-15=-1596/304, 2-15=-1489/331, 2-3=-1522/409, 3-16=-1458/412, 4-16=-1437/449,  
4-17=-1439/439, 5-17=-1455/401, 5-6=-1516/399, 6-18=-1509/324, 7-18=-1612/297  
BOT CHORD 1-13=-148/1398, 12-13=0/894, 12-14=0/888, 11-14=0/894, 10-11=0/873, 9-10=0/894,  
7-9=-147/1239  
WEBS 2-13=-445/281, 4-13=-172/794, 4-9=-170/786, 6-9=-443/277

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 13-8-0, Exterior(2) 13-8-0 to 18-0-13, Interior(1) 18-0-13 to 28-0-9 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) All plates are 3x4 MT20 unless otherwise indicated.
  - 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 100 lb uplift at joint(s) 1, 7.
  - 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.

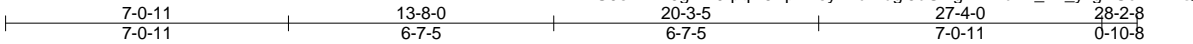
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	A3	FINK	8	1	Job Reference (optional)

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

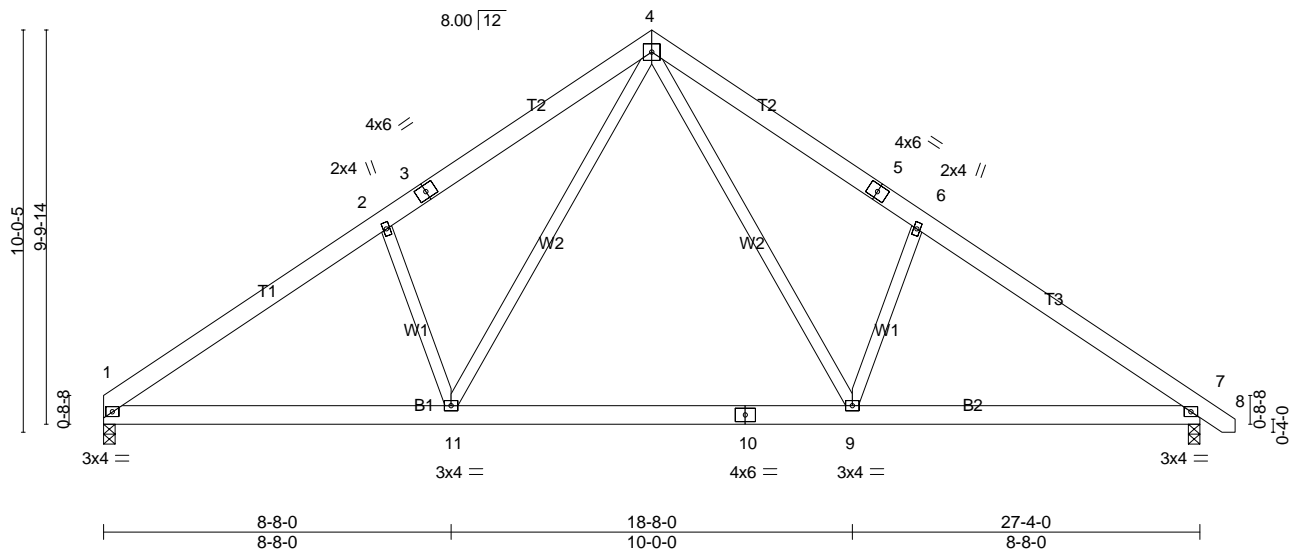
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5x5 =

Scale = 1:57.4



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 0.20	Vert(LL)	-0.17	9-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.45	Vert(CT)	-0.24	9-11	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.33	Horz(CT)	0.03	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.03	11	>999	240	Weight: 188 lb	FT = 25%

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

**BRACING-**  
TOP CHORD  
BOT CHORD

Structural wood sheathing directly applied or 5-11-0 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=1081/0-3-8 (min. 0-1-8), 7=1134/0-3-8 (min. 0-1-8)  
Max Horz 1=-228(LC 8)  
Max Uplift 1=-56(LC 12), 7=-68(LC 13)  
Max Grav 1=1133(LC 19), 7=1182(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-14=-1668/301, 2-14=-1541/328, 2-3=-1573/407, 3-15=-1509/409, 4-15=-1469/447,  
4-16=-1466/436, 5-16=-1506/399, 5-6=-1570/396, 6-17=-1564/321, 7-17=-1667/294  
BOT CHORD 1-11=-146/1439, 11-12=0/923, 10-12=0/923, 10-13=0/923, 9-13=0/923, 7-9=-145/1281  
WEBS 2-11=-445/282, 4-11=-170/824, 4-9=-169/820, 6-9=-443/278

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 13-8-0, Exterior(2) 13-8-0 to 18-0-13, Interior(1) 18-0-13 to 28-0-9 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.

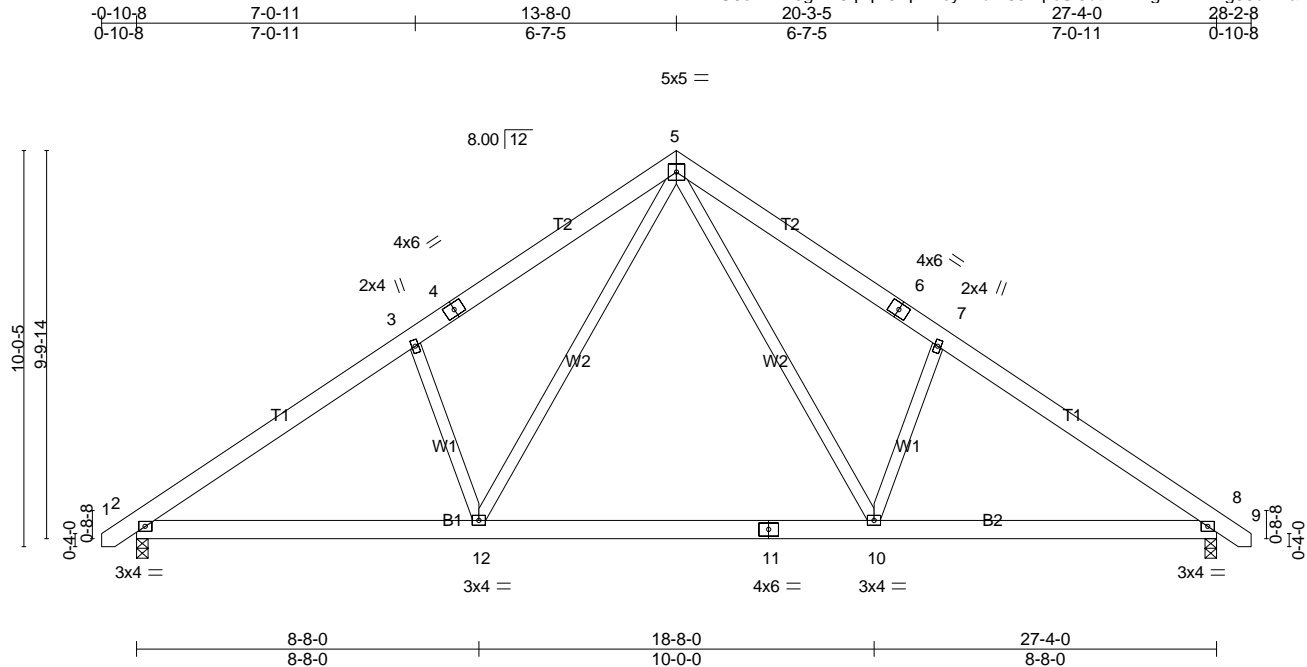
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	A4	FINK	3	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 0.20	Vert(LL)	-0.17 10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.45	Vert(CT)	-0.24 10-12	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.03 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.03 2-12	>999	240	Weight: 191 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x6 SP No.1	TOP CHORD
BOT CHORD 2x6 SP No.1	BOT CHORD
WEBS 2x4 SP No.2	Structural wood sheathing directly applied or 5-11-7 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) 2=1133/0-3-8 (min. 0-1-8), 8=1133/0-3-8 (min. 0-1-8)  
Max Horz 2=230(LC 11)  
Max Uplift 2=-68(LC 12), 8=-68(LC 13)  
Max Grav 2=1181(LC 19), 8=1181(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-15=-1666/293, 3-15=-1563/320, 3-4=-1568/395, 4-16=-1505/398, 5-16=-1465/435, 5-17=-1465/435, 6-17=-1505/398, 6-7=-1569/395, 7-18=-1563/320, 8-18=-1666/293  
BOT CHORD 2-12=-135/1434, 12-13=0/922, 11-13=0/922, 11-14=0/922, 10-14=0/922, 8-10=-142/1280  
WEBS 3-12=-443/277, 5-12=-168/819, 5-10=-168/820, 7-10=-443/277

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 13-8-0, Exterior(2) 13-8-0 to 18-0-13, Interior(1) 18-0-13 to 28-0-9 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) 2, 8.
  - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

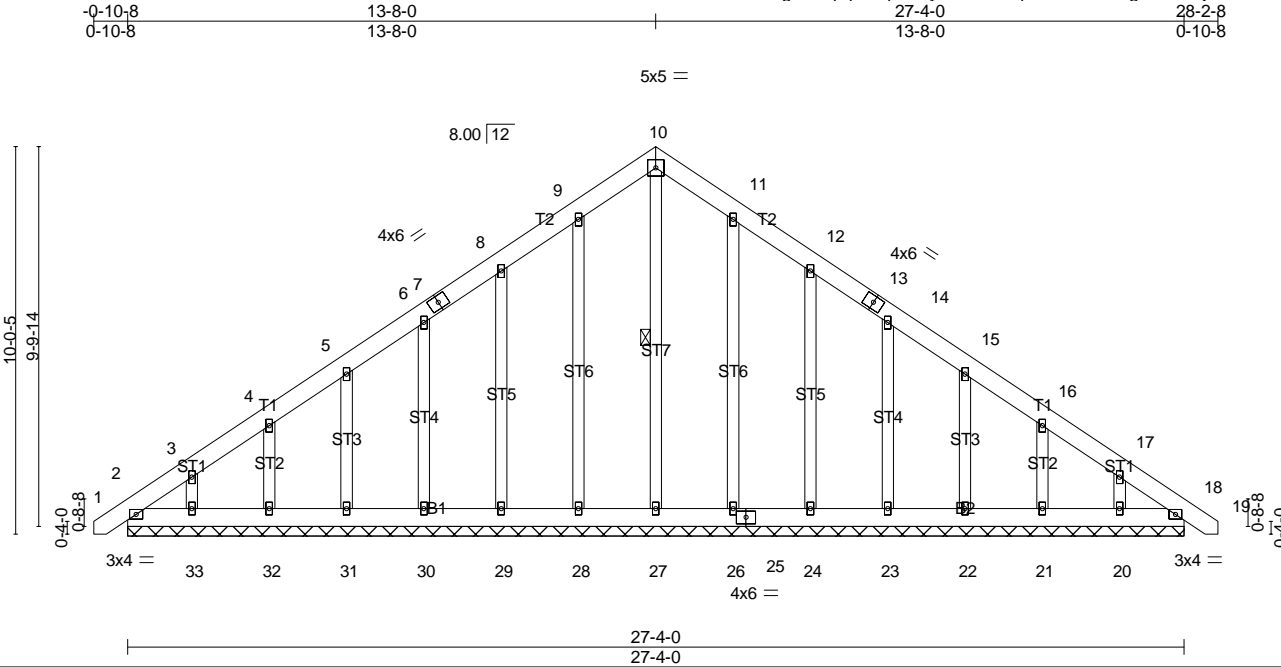
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	A4GE	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 0.04	Vert(LL)	0.00	18	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	0.00	18	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.15	Horz(CT)	0.01	18	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 235 lb	FT = 25%

<b>LUMBER-</b> TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 OTHERS 2x4 SP No.2	<b>BRACING-</b> TOP CHORD BOT CHORD WEBS <div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>
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**REACTIONS.** All bearings 27-4-0.  
(lb) - Max Horz 2=287(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 28, 29, 30, 31, 32, 26, 23, 22, 21 except 33=-113(LC 12),  
24=-101(LC 13), 20=-107(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 27, 28, 29, 30, 31, 32, 33, 26, 24, 23, 22, 21, 20

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-306/223

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-9 to 3-8-0, Exterior(2) 3-8-0 to 13-8-0, Corner(3) 13-8-0 to 18-0-13, Exterior(2) 18-0-13 to 28-0-9 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) 2, 18, 28, 29, 30, 31, 32, 26, 23, 22, 21 except (jt=lb) 33=113, 24=101, 20=107.
  - 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	Hunter's Dream / Ryan w-carport /
RYAN W-CARPOR	B1	FINK	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. Wed Jul 16 18:08:27 2025 Page 1

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-0-10-8	6-11-14	13-6-0	20-0-2	27-0-0	27-10-8
0-10-8	6-11-14	6-6-2	6-6-2	6-11-14	0-10-8

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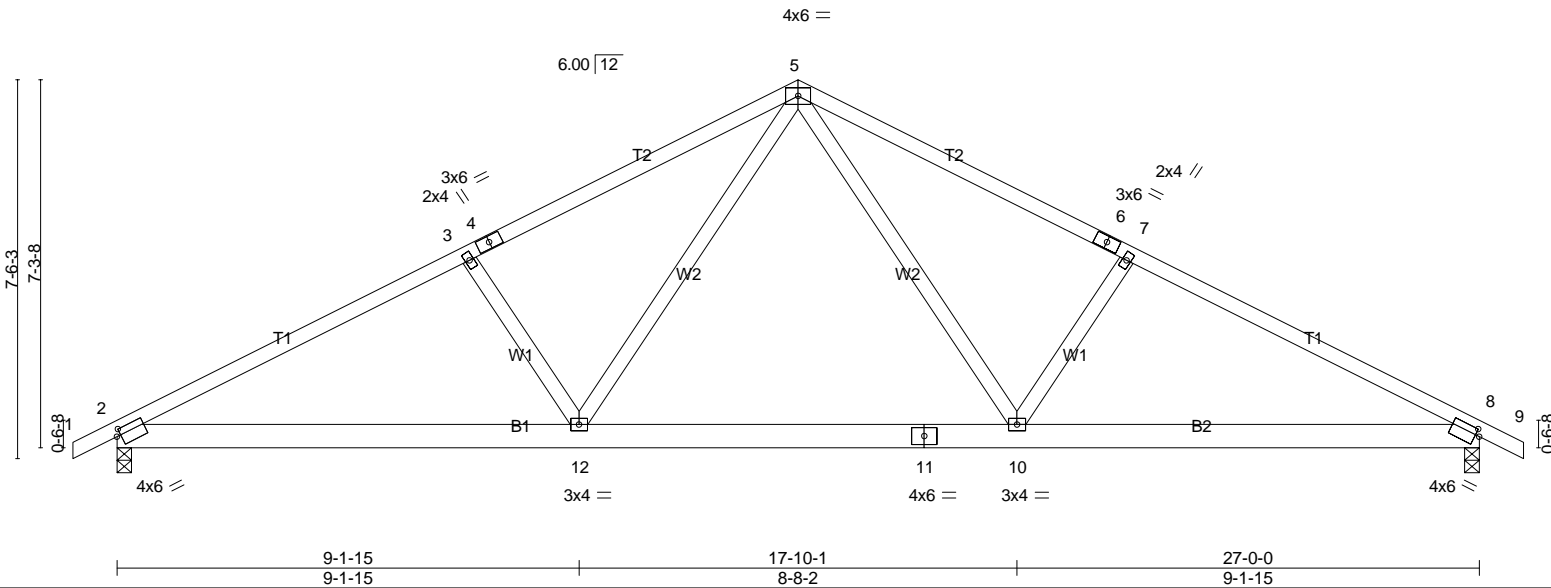


Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [8:0-1-0,0-1-8]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.11 10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.18 10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03 8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.14 2-12	>999	240	Weight: 146 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-2-7 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-9-8 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) 2=1130/0-3-8 (min. 0-1-8), 8=1130/0-3-8 (min. 0-1-8)  
Max Horz 2=-94(LC 10)  
Max Uplift 2=-187(LC 8), 8=-240(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-15=-1833/1419, 3-15=-1737/1441, 3-4=-1613/1424, 4-16=-1600/1428, 5-16=-1529/1460, 5-17=-1529/1460, 6-17=-1600/1428, 6-7=-1613/1424, 7-18=-1737/1441, 8-18=-1833/1419  
BOT CHORD 2-12=-1172/1541, 12-13=-709/1039, 13-14=-709/1039, 11-14=-709/1039, 10-11=-709/1039, 8-10=-1181/1541  
WEBS 3-12=-368/229, 5-12=-659/647, 5-10=-659/658, 7-10=-368/229

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 13-6-0, Exterior(2) 13-6-0 to 17-10-13, Interior(1) 17-10-13 to 27-10-8 zone; porch left 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) except (jt=lb) 2=187, 8=240.
  - 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	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	B1GE	GABLE	1	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. Wed Jul 16 18:08:27 2025 Page 1

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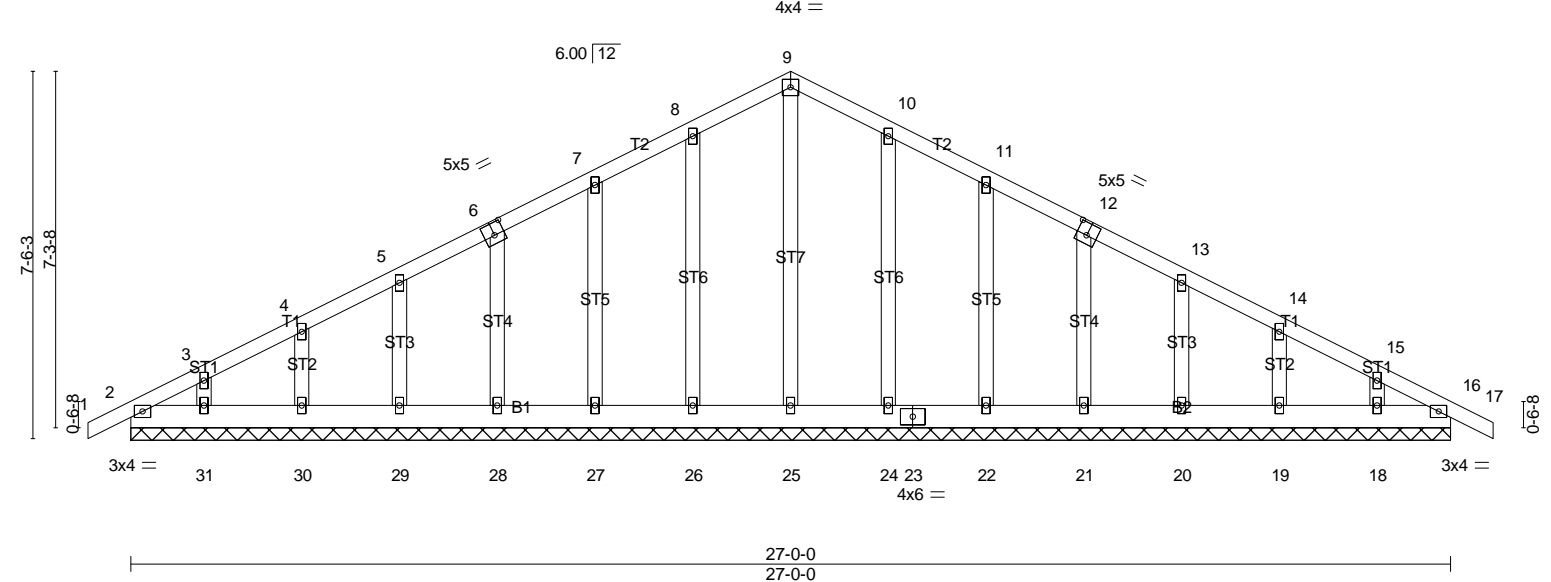
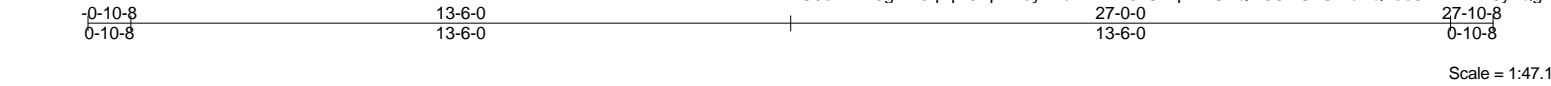


Plate Offsets (X,Y)-- [6:0-2-8,0-3-0], [12:0-2-8,0-3-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL) -0.00	16 n/r 120
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT) -0.00	17 n/r 120
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT) 0.00	16 n/a n/a
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S		
					PLATES GRIP
					MT20 244/190
					Weight: 176 lb FT = 25%

LUMBER-	BRACING-
TOP CHORD 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.
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 27-0-0.  
(lb) - Max Horz 2=145(LC 16)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 26, 27, 28, 29, 30, 31, 24, 22, 21, 20, 19, 18  
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 25, 26, 27, 28, 29, 30, 31, 24, 22, 21, 20, 19, 18

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 8-9=-90/266, 9-10=-90/268

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-6-0, Exterior(2) 3-6-0 to 13-6-0, Corner(3) 13-6-0 to 17-10-13, Exterior(2) 17-10-13 to 27-10-8 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.
  - 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) 2, 16, 26, 27, 28, 29, 30, 31, 24, 22, 21, 20, 19, 18.
  - 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

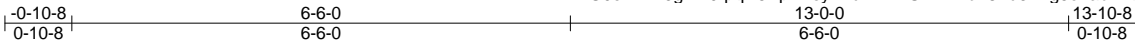


Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	TC1	COMMON	3	1	Job Reference (optional)

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

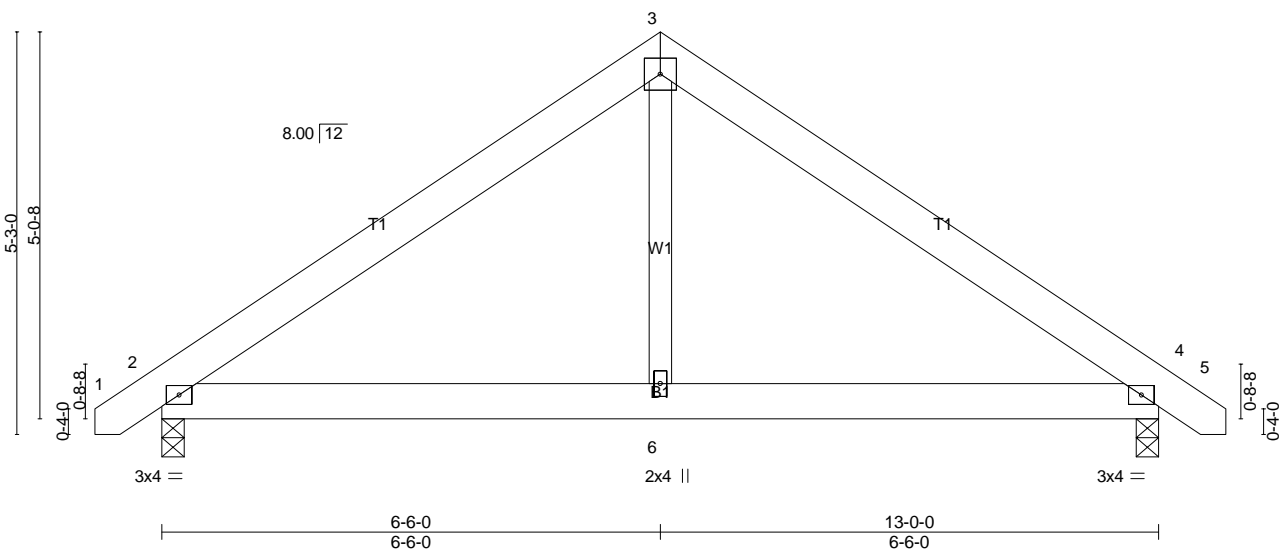
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5x5 =

Scale = 1:30.1



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 0.18	Vert(LL)	-0.01	4-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.15	Vert(CT)	-0.02	4-6	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.01	2-6	>999	240	Weight: 79 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x6 SP No.1	TOP CHORD
BOT CHORD 2x6 SP No.1	BOT CHORD
WEBS 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) 2=560/0-3-8 (min. 0-1-8), 4=560/0-3-8 (min. 0-1-8)  
Max Horz 2=-115(LC 10)  
Max Uplift 2=-38(LC 12), 4=-38(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-7=-609/127, 7-8=-506/134, 3-8=-502/157, 3-9=-502/157, 9-10=-506/134, 4-10=-609/127  
BOT CHORD 2-6=0/409, 4-6=0/409  
WEBS 3-6=0/308

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 6-6-0, Exterior(2) 6-6-0 to 10-10-13, Interior(1) 10-10-13 to 13-8-9 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
  - 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.

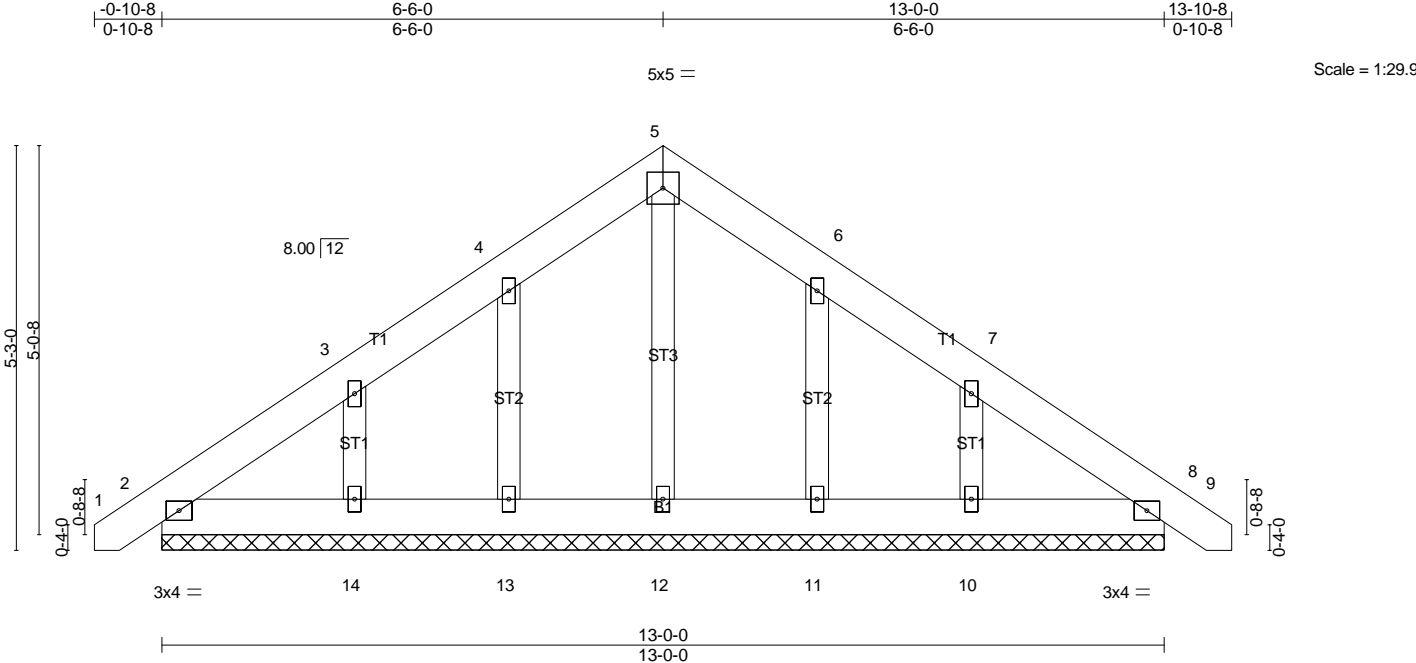
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	TC1GE	GABLE	1	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. Wed Jul 16 18:08:29 2025 Page 1

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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)	0.00	8	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	0.00	8	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 91 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>	
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 13-0-0.  
 (lb) - Max Horz 2=-144(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11 except 14=-123(LC 12), 10=-122(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-9 to 3-8-4, Exterior(2) 3-8-4 to 6-6-0, Corner(3) 6-6-0 to 10-10-13, Exterior(2) 10-10-13 to 13-8-9 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) 2, 8, 13, 11 except (jt=lb) 14=123, 10=122.
  - 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	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	VB1	VALLEY	1	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. Wed Jul 16 18:08:29 2025 Page 1

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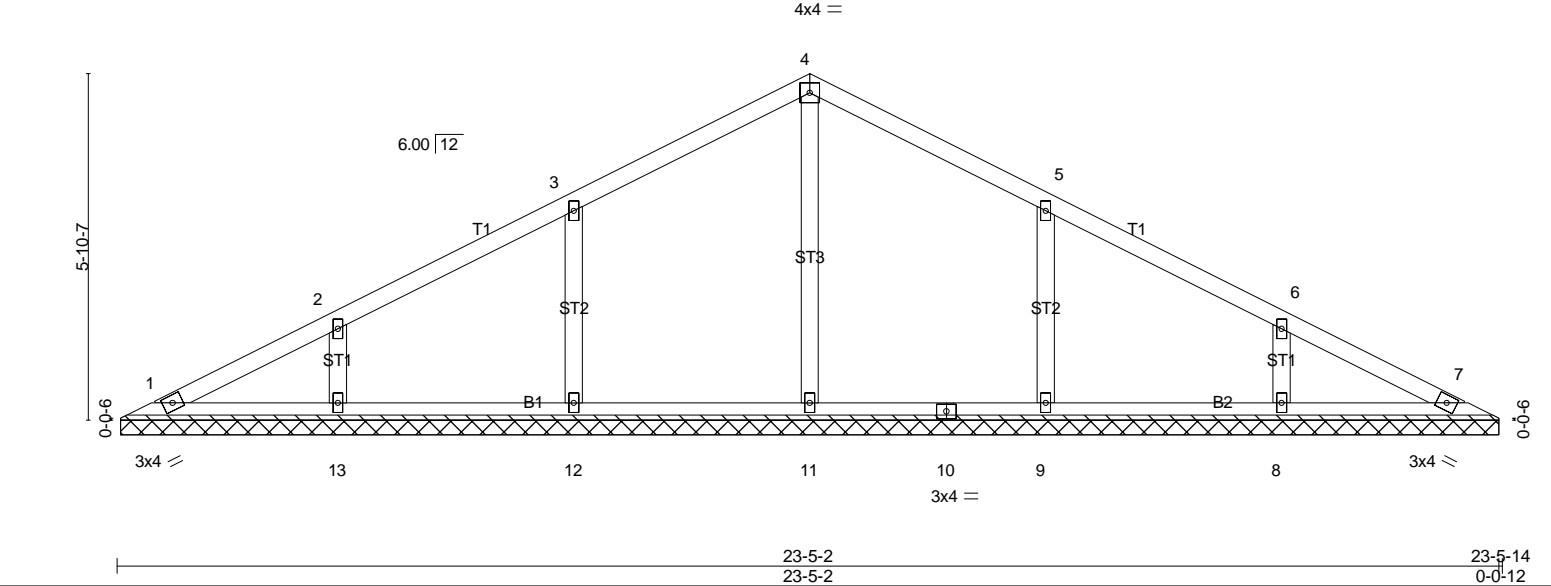


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

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 0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.18	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 93 lb	FT = 25%

<b>LUMBER-</b> TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 OTHERS 2x4 SP No.2	<b>BRACING-</b> 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. <div>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>
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**REACTIONS.** All bearings 23-4-6.  
(lb) - Max Horz 1=-72(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 13, 9, 8  
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=450(LC 19), 12=373(LC 19), 13=311(LC 1), 9=373(LC 20), 8=311(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
**WEBS** 3-12=-263/198, 5-9=-263/198

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 11-8-15, Exterior(2) 11-8-15 to 16-1-12, Interior(1) 16-1-12 to 22-10-1 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.
  - 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 13, 9, 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

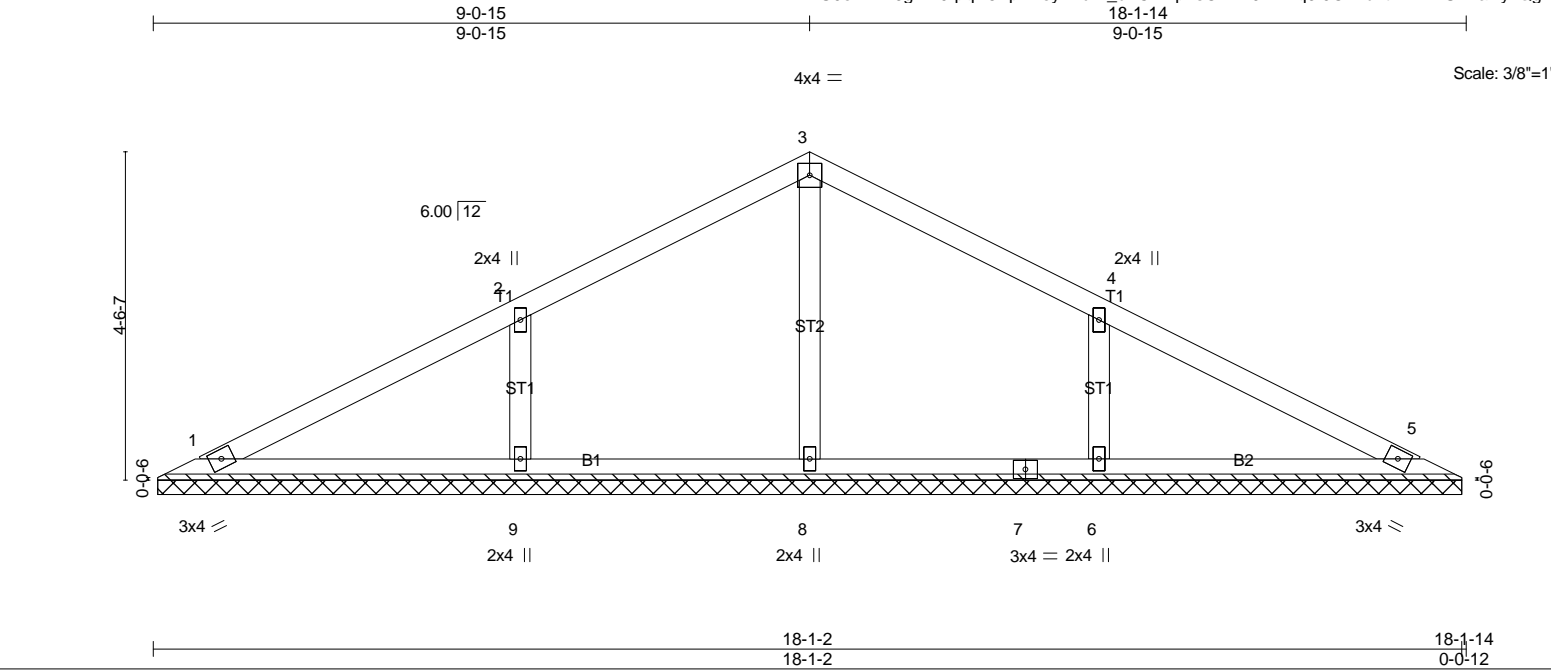


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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 0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.11	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: 67 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>	
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 18-0-6.  
(lb) - Max Horz 1=-55(LC 8)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6  
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=407(LC 23), 6=407(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
WEBS 2-9=-302/216, 4-6=-301/216

**NOTES-**  
1) Unbalanced roof live loads have been considered for this design.  
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-15, Interior(1) 5-0-15 to 9-0-15, Exterior(2) 9-0-15 to 13-5-12, Interior(1) 13-5-12 to 17-6-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60  
3) Gable requires continuous bottom chord bearing.  
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) 1, 5, 9, 6.  
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

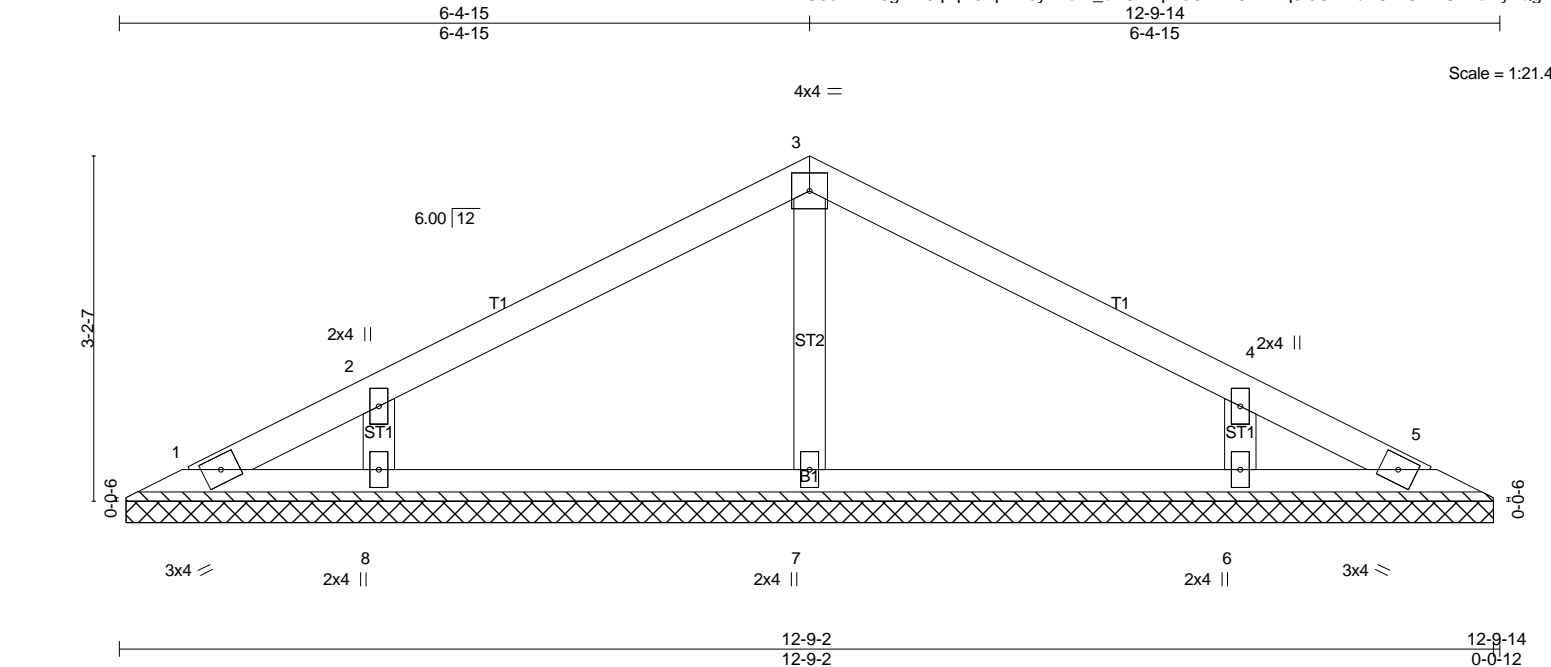


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	20.0	2-0-0	Plate Grip DOL	1.15	TC	0.13	in (loc)	MT20	244/190
TCDL	10.0		Lumber DOL	1.15	BC	0.09	n/a - n/a		
BCLL	0.0 *		Rep Stress Incr	YES	WB	0.04	L/d		
BCDL	10.0		Code IRC2015/TPI2014		Matrix-S		999 999 n/a		
								Weight: 44 lb	FT = 25%

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.** All bearings 12-8-6.  
(lb) - Max Horz 1=38(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6  
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=286(LC 1), 8=296(LC 23), 6=296(LC 24)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 6-4-15, Exterior(2) 6-4-15 to 10-9-12, Interior(1) 10-9-12 to 12-2-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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, 8, 6.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

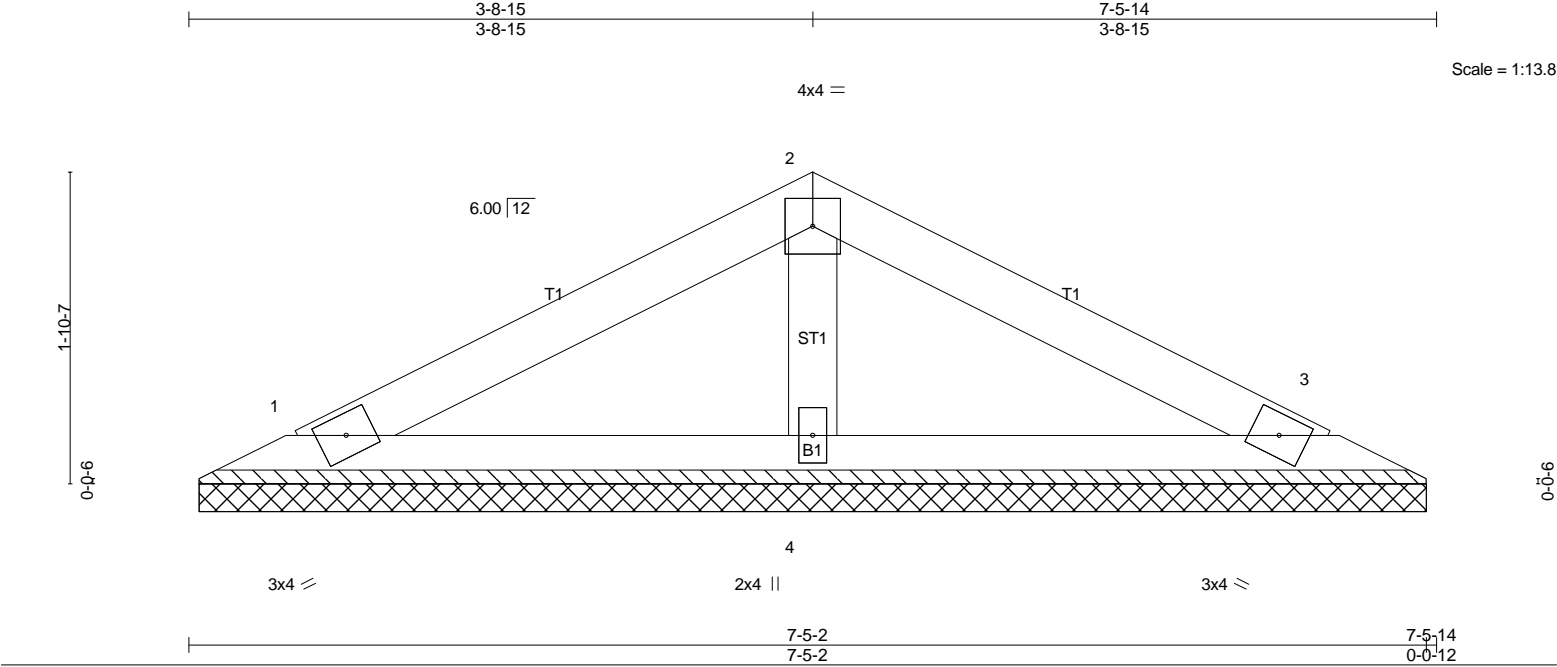
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Hunter's Dream / Ryan w-carport /
RYAN W-CARPORT	VB4	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 0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.07	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: 23 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>	
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=126/7-4-6 (min. 0-1-8), 3=126/7-4-6 (min. 0-1-8), 4=242/7-4-6 (min. 0-1-8)  
Max Horz 1=-20(LC 8)  
Max Uplift1=-20(LC 12), 3=-24(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 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - 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