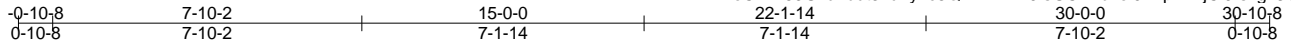
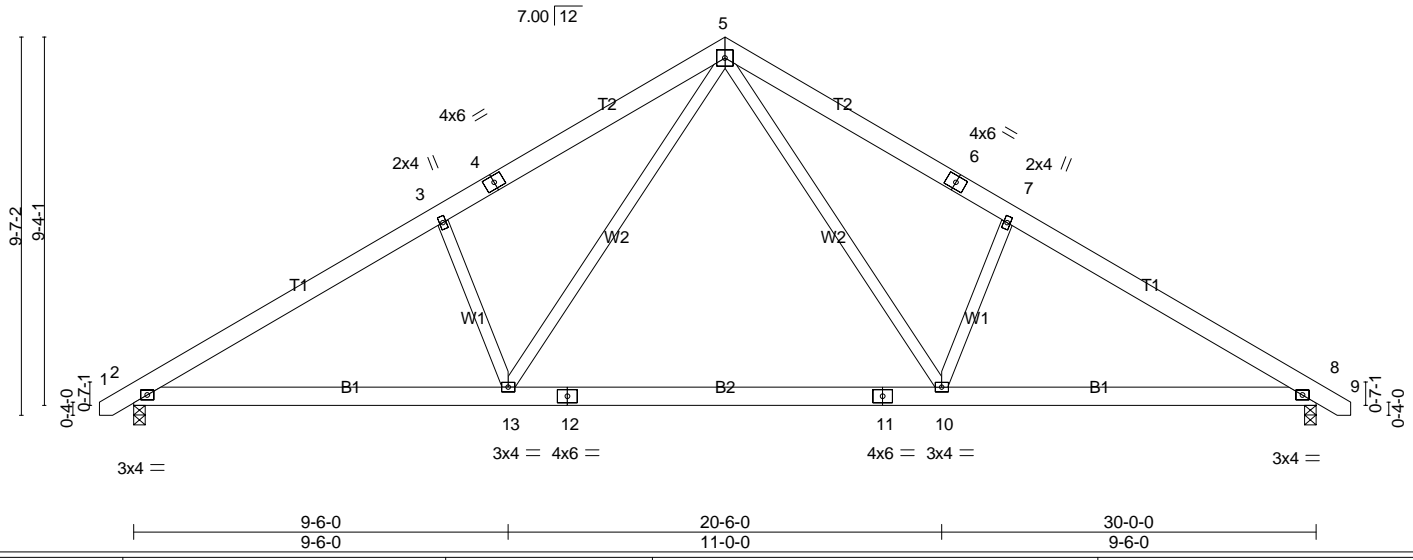


Job J1124-6054	Truss A1	Truss Type COMMON	Qty 22	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Nov 7 13:37:57 2024 Page 1					
ID:Wi7DoChz?69Gzuhdut3kuLyLc5Q-YRFMH9fsGC?Xbv0i0ZhpRWjCi9rszgx8G4zeNXyLZzu					
Job Reference (optional)					



5x5 = Scale = 1:58.5



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL) -0.25 10-13 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.54	Vert(CT) -0.34 10-13 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.04 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.04 13-19 >999 240	Weight: 200 lb	FT = 25%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied.  
BOT CHORD Rigid ceiling directly applied.

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

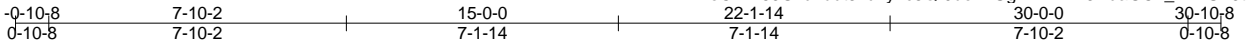
**REACTIONS.** (lb/size) 8=1242/0-3-8 (min. 0-1-9), 2=1242/0-3-8 (min. 0-1-9)  
Max Horz 2=-220(LC 10)  
Max Uplift 8=-78(LC 13), 2=-78(LC 12)  
Max Grav 8=1299(LC 20), 2=1299(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-20=-2034/357, 3-20=-1954/382, 3-4=-1929/429, 4-21=-1857/442, 5-21=-1832/469,  
5-22=-1832/469, 6-22=-1858/442, 6-7=-1929/429, 7-23=-1955/382, 8-23=-2034/357  
BOT CHORD 2-13=-198/1826, 12-13=-29/1169, 12-24=-29/1169, 24-25=-29/1169, 11-25=-29/1169,  
10-11=-29/1169, 8-10=-205/1662  
WEBS 5-10=-154/951, 7-10=-489/268, 5-13=-154/951, 3-13=-489/269

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-8 to 3-8-5, Interior(1) 3-8-5 to 15-0-0, Exterior(2) 15-0-0 to 19-4-13, Interior(1) 19-4-13 to 30-8-8 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 BCCL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
  - 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.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job J1124-6054	Truss A1GE	Truss Type GABLE	Qty 1	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Nov 7 13:37:58 2024 Page 1					
ID:Wi7DoChz?69Gzuhdut3kuLylc5Q-0dokVUgV1V7ND3NuaGC2_kFNUZ9ti4clVkjBwzyLZzt					
Job Reference (optional)					



Scale = 1:60.7

Plate Offsets (X,Y)--	[2:0-6-2,0-0-13], [4:0-2-3,Edge], [5:0-2-0,0-0-8], [6:0-2-3,Edge], [8:0-6-2,0-0-13], [10:0-2-8,0-4-8], [13:0-2-8,0-4-8]
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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 0.26	Vert(LL)	-0.15 10-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.34 10-13	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.45	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.09 13-48	>999	240		
								Weight: 286 lb	FT = 25%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-6-10 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 8=1676/0-3-8 (min. 0-2-0), 2=1676/0-3-8 (min. 0-2-0)  
 Max Horz 2=-275(LC 6)  
 Max Uplift 8=-249(LC 9), 2=-249(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-2722/327, 3-4=-2578/394, 4-5=-2460/433, 5-6=-2460/433, 6-7=-2578/394,  
 7-8=-2722/328  
 BOT CHORD 2-49=-332/2272, 13-49=-332/2272, 13-50=-73/1479, 12-50=-73/1479, 12-51=-73/1479,  
 51-52=-73/1479, 52-53=-73/1479, 53-54=-73/1479, 11-54=-73/1479, 11-55=-73/1479,  
 10-55=-73/1479, 10-56=-147/2272, 8-56=-147/2272  
 WEBS 5-10=-242/1240, 7-10=-480/374, 5-13=-242/1240, 3-13=-480/374

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - 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; 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 studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=249, 2=249.
  - 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) 267 lb down and 65 lb up at 8-2-12, 66 lb down at 10-2-12, 66 lb down at 12-2-12, 66 lb down at 14-2-12, 66 lb down at 15-9-4, 66 lb down at 17-9-4, and 66 lb down at 19-9-4, and 267 lb down and 65 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 Maye St. Dunn
J1124-6054	A1GE	GABLE	1	1	Job Reference (optional)

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

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**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-5=-60, 5-9=-60, 43-46=-20

Concentrated Loads (lb)

Vert: 49=-267(F) 50=-55(F) 51=-55(F) 52=-55(F) 53=-55(F) 54=-55(F) 55=-55(F) 56=-267(F)

Job J1124-6054	Truss A2	Truss Type COMMON	Qty 7	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Nov 7 13:37:59 2024 Page 1					
ID:Wi7DoChz?69Gzuhdut3kuLyLc5Q-UqM6iqh7opFEqCy58_jHWxoZEzanRaORkOSISQyLZzs					
Job Reference (optional)					

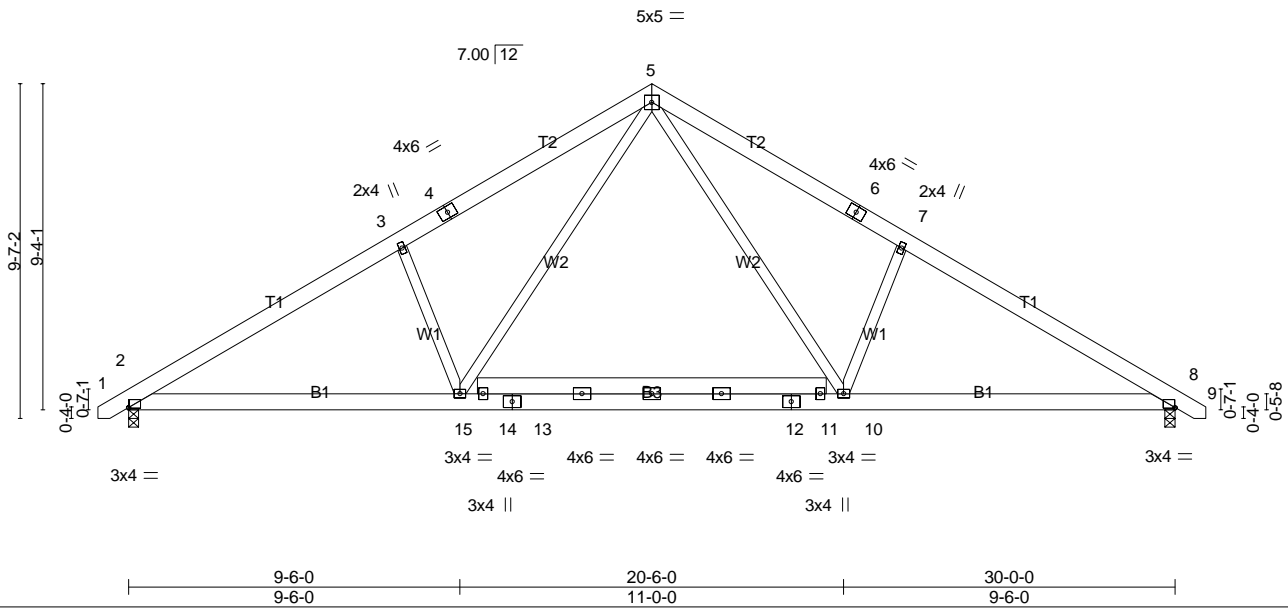
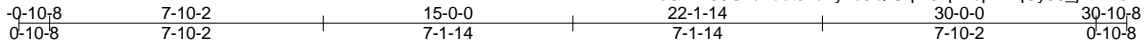


Plate Offsets (X,Y)--	[2:0-0-2,0-0-3], [8:0-0-2,0-0-3]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.19	Vert(LL)	-0.12 10-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.38	Vert(CT)	-0.19 10-15	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.29	Horz(CT)	0.04 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.04 10-15	>999	240		
								Weight: 223 lb	FT = 25%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied.  
BOT CHORD Rigid ceiling directly applied.

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

**REACTIONS.** (lb/size) 8=1242/0-3-8 (min. 0-1-8), 2=1242/0-3-8 (min. 0-1-8)  
Max Horz 2=-220(LC 10)  
Max Uplift 8=-78(LC 13), 2=-78(LC 12)  
Max Grav 8=1285(LC 20), 2=1285(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-22=-1986/363, 3-22=-1910/388, 3-4=-1883/435, 4-23=-1811/447, 5-23=-1785/474,  
5-24=-1784/474, 6-24=-1810/447, 6-7=-1882/435, 7-25=-1909/388, 8-25=-1985/363  
BOT CHORD 2-15=-203/1788, 14-15=-33/1140, 13-14=-45/1066, 13-26=-33/1140, 26-27=-33/1140,  
12-27=-33/1140, 11-12=-46/1067, 10-11=-33/1140, 8-10=-209/1623  
WEBS 5-10=-156/926, 7-10=-487/266, 5-15=-156/927, 3-15=-487/266

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-8-8 to 3-8-5, Interior(1) 3-8-5 to 15-0-0, Exterior(2) 15-0-0 to 19-4-13, Interior(1) 19-4-13 to 30-8-8 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) 8, 2.
  - 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.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job J1124-6054	Truss A2GE	Truss Type GABLE	Qty 1	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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0-10-8 15-0-0 30-0-0 30-10-8  
 0-10-8 15-0-0 15-0-0 0-10-8

5x5 =

Scale = 1:58.8

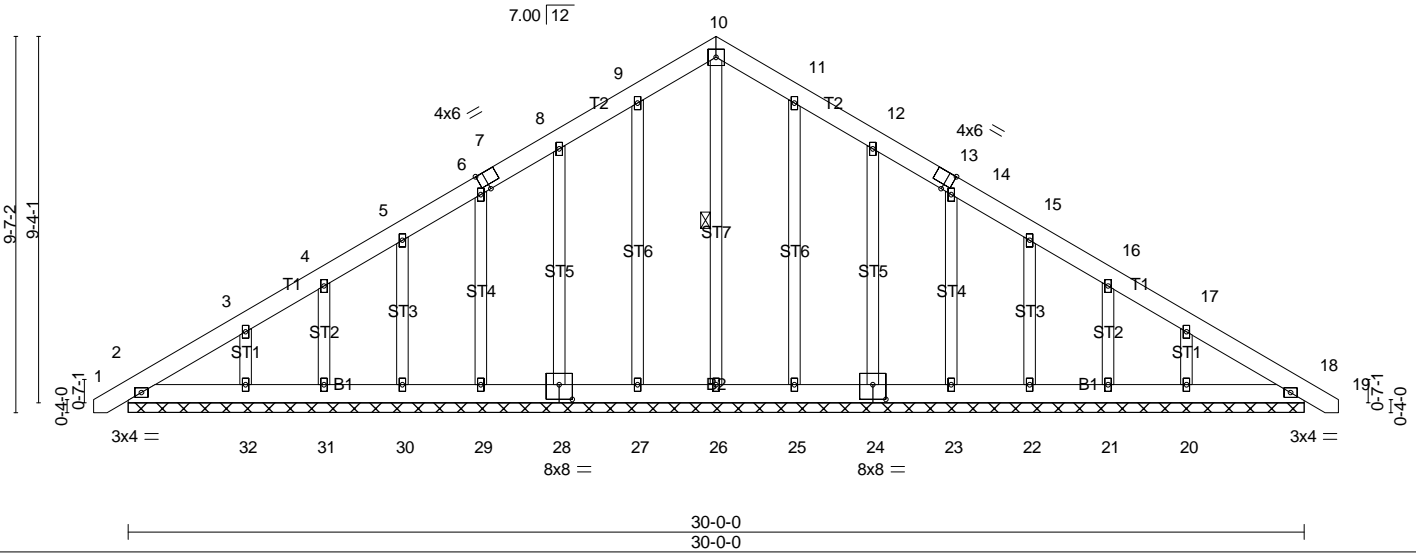


Plate Offsets (X,Y)-- [7:0-2-3,Edge], [13:0-2-3,Edge], [24:0-4-0,0-4-8], [28:0-4-0,0-4-8]

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 0.04	Vert(LL)	0.00	18	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	0.00	18	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.01	18	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
								Weight: 247 lb	FT = 25%	

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 10-26

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

**REACTIONS.** All bearings 30-0-0.  
 (lb) - Max Horz 2=-275(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21 except 32=-120(LC 12), 20=-118(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 18, 2, 26, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21 except 32=260(LC 19), 20=258(LC 20)

**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; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-8-8 to 3-8-5, Exterior(2) 3-8-5 to 15-0-0, Corner(3) 15-0-0 to 19-4-13, Exterior(2) 19-4-13 to 30-8-8 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, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21 except (jt=lb) 32=120, 20=118.
  - 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 J1124-6054	Truss J02	Truss Type Half Hip	Qty 2	Ply 1	Lot 2 Maye St. Dunn
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Job Reference (optional)

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

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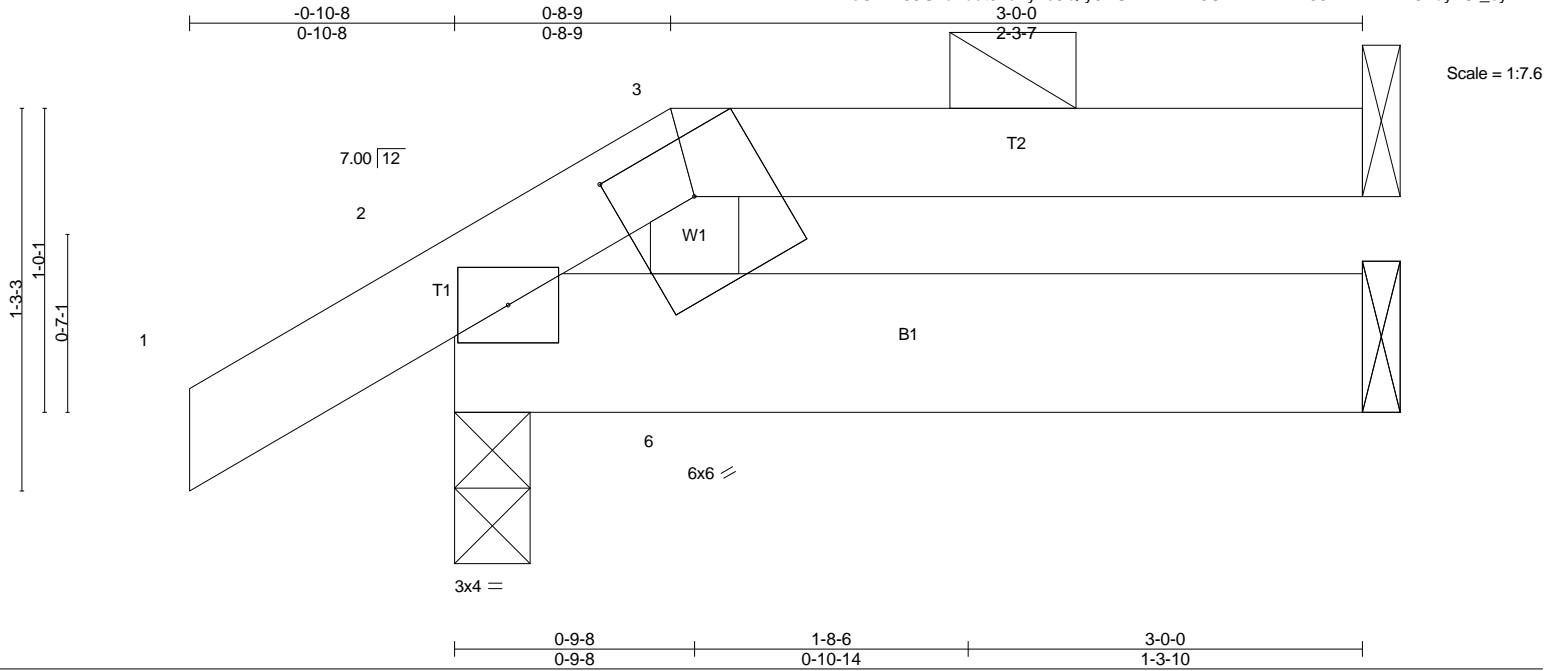


Plate Offsets (X,Y)-- [6:0-3-0,0-2-5]

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 0.06	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	-0.00	6	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP	Wind(LL)	0.00	6	>999	240		
									Weight: 14 lb	FT = 25%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except 2-0-0 oc purlins: 3-4.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** All bearings Mechanical except (jt=length) 2=0-3-0.  
(lb) - Max Horz 2=28(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 4, 2  
Max Grav All reactions 250 lb or less at joint(s) 4, 2, 5, 5

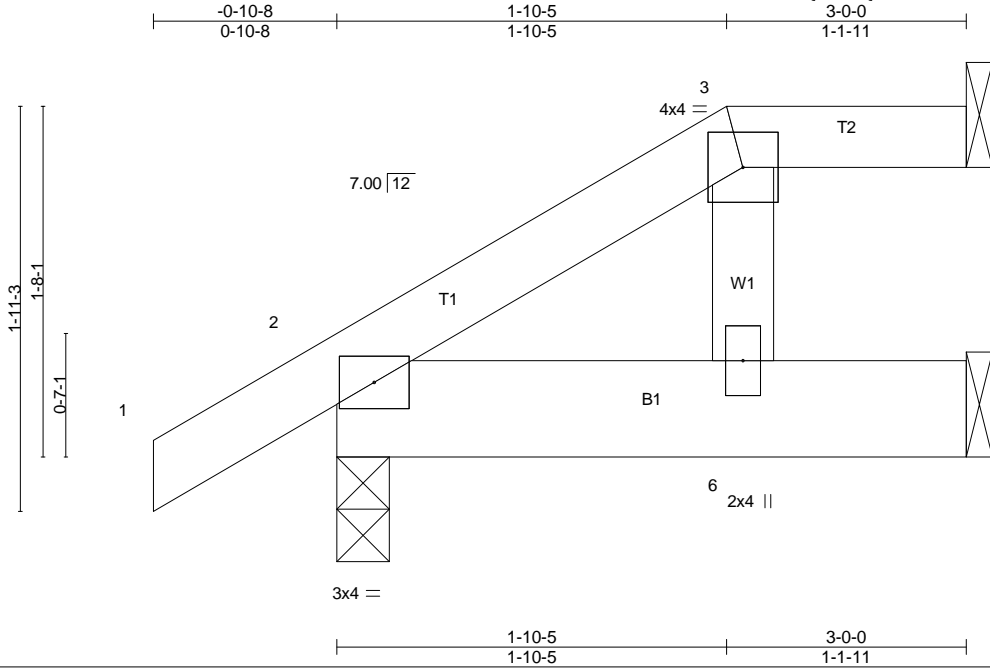
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BC DL=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
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
  - 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 J1124-6054	Truss J03	Truss Type Half Hip	Qty 2	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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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	9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.05	Vert(CT)	-0.00	6	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP	Wind(LL)	0.00	6	>999	240	Weight: 15 lb	FT = 25%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except 2-0-0 oc purlins: 3-4.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS.** (lb/size) 4=31/Mechanical, 2=178/0-3-0 (min. 0-1-8), 5=78/Mechanical  
 Max Horz 2=49(LC 12)  
 Max Uplift 4=-11(LC 8), 2=-15(LC 12), 5=-5(LC 12)

**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; TCCL=6.0psf; BCCL=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
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
  - 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 J1124-6054	Truss J06	Truss Type Jack-Open	Qty 6	Ply 1	Lot 2 Maye St. Dunn
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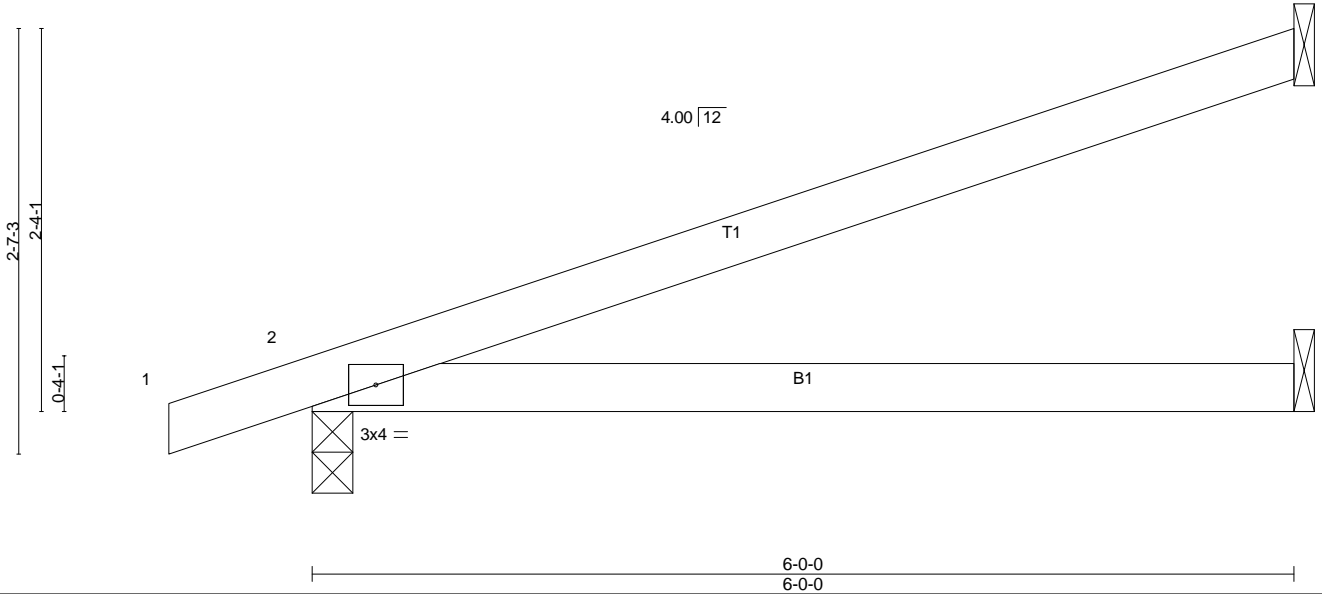
Job Reference (optional)

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

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Scale = 1:14.1



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 0.36	Vert(LL)	-0.05	4-7	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.11	4-7	>677	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.06	4-7	>999	240	Weight: 20 lb	FT = 25%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied.  
BOT CHORD Rigid ceiling directly applied.

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

**REACTIONS.** (lb/size) 3=158/Mechanical, 2=294/0-3-0 (min. 0-1-8), 4=75/Mechanical  
Max Horz 2=79(LC 8)  
Max Uplift 3=-54(LC 12), 2=-49(LC 8)  
Max Grav 3=158(LC 1), 2=294(LC 1), 4=106(LC 3)

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

**NOTES-**

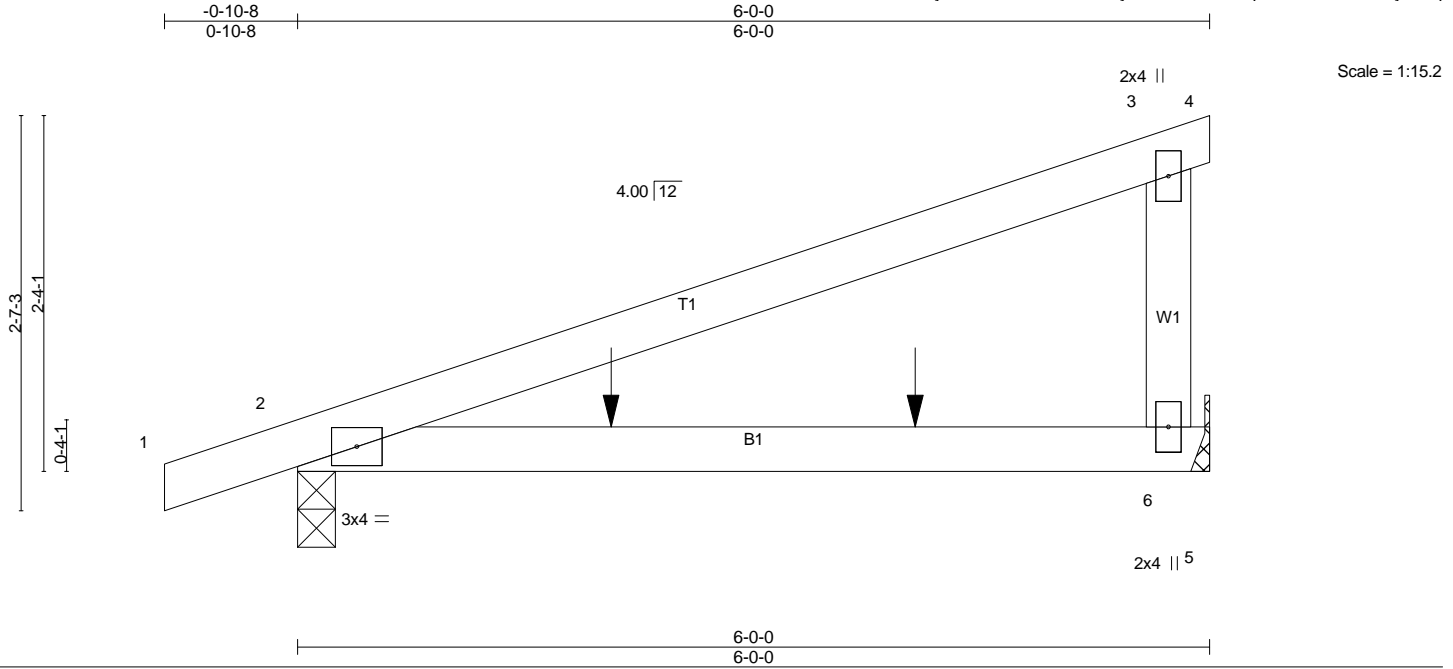
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 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.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard



Job J1124-6054	Truss J06A	Truss Type Jack-Open Girder	Qty 2	Ply 1	Lot 2 Maye St. Dunn
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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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 0.46	Vert(LL)	-0.06	6-9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.40	Vert(CT)	-0.13	6-9	>523	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.02	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP	Wind(LL)	0.05	6-9	>999	240	Weight: 22 lb	FT = 25%

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

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 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=319/0-3-0 (min. 0-1-8), 6=287/Mechanical  
 Max Horz 2=79(LC 4)  
 Max Uplift 2=-47(LC 4), 6=-45(LC 8)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
  - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) \* 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.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
  - 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.
  - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down at 2-0-12, and 58 lb down and 25 lb up at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-3=-60, 3-4=-20, 5-7=-20  
 Concentrated Loads (lb)  
 Vert: 10=-26(B) 11=-58(B)