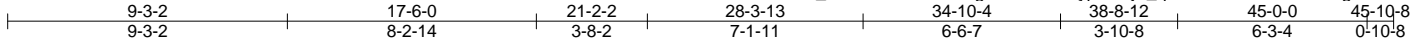


Job FOUNTAIN RES	Truss A1	Truss Type ROOF SPECIAL	Qty 11	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:18 2023 Page 1
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Scale = 1:76.3

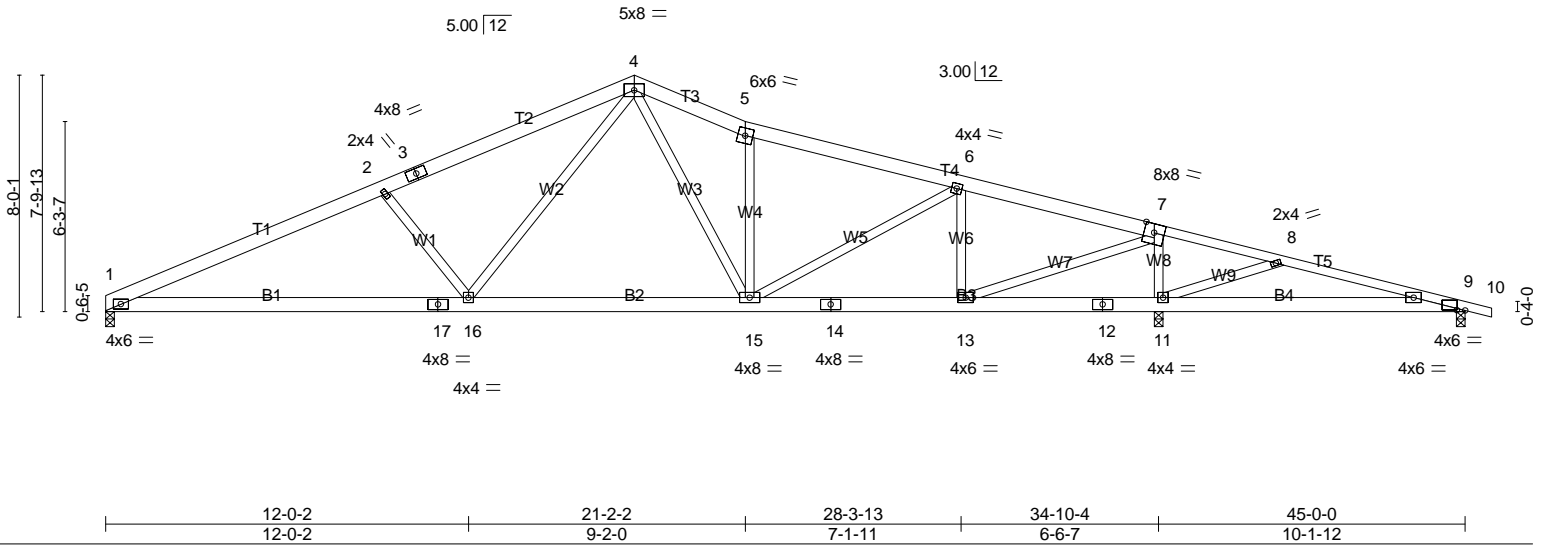


Plate Offsets (X,Y)-- [9:0-3-4,0-0-3]

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 0.39	Vert(LL)	-0.16	15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.54	Vert(CT)	-0.33	1-16	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.04	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.11	9-11	>999	240		
								Weight: 285 lb	FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* T5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
BOT CHORD 2x6 SP No.1	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
WEBS 2x4 SP No.2	

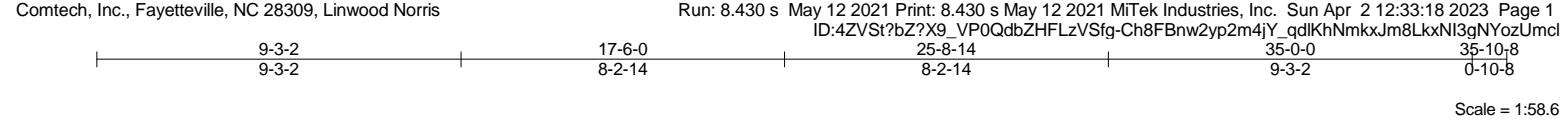
REACTIONS. (lb/size) 1=1325/0-3-8 (min. 0-1-9), 11=2068/0-3-8 (min. 0-2-7), 9=245/0-3-8 (min. 0-1-8)
 Max Horz 1=-95(LC 13)
 Max Uplift1=-86(LC 12), 11=-287(LC 9), 9=-159(LC 9)
 Max Grav 1=1325(LC 1), 11=2068(LC 1), 9=277(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=-2624/537, 2-18=-2539/561, 2-3=-2299/490, 3-19=-2209/491, 4-19=-2187/524,
 4-5=-1972/502, 5-6=-1887/414, 6-7=-1526/260, 7-8=-185/788, 8-20=0/303, 9-20=0/286
 BOT CHORD 1-17=-409/2351, 16-17=-409/2351, 16-21=-142/1502, 21-22=-142/1502, 15-22=-142/1502,
 14-15=-110/1443, 13-14=-110/1443, 12-13=-643/258, 11-12=-643/258, 9-11=-278/5
 WEBS 2-16=-561/312, 4-16=-137/878, 4-15=-126/712, 5-15=-580/237, 6-15=-94/471,
 6-13=-734/280, 7-13=-376/2238, 7-11=-1636/344, 8-11=-580/322

- 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) 0-1-12 to 4-7-12, Interior(1) 4-7-12 to 17-6-0, Exterior(2) 17-6-0 to 21-2-2, Interior(1) 21-2-2 to 45-10-8 zone; porch 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 BC DL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=287, 9=159.
 - 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 FOUNTAIN RES	Truss A2	Truss Type FINK	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					
Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:18 2023 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 0.41	Vert(LL) -0.26 10-11 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.56	Vert(CT) -0.37 10-11 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.07 7 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07 11 >999 240		
				Weight: 213 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=1388/0-3-8 (min. 0-1-10), 7=1438/0-3-8 (min. 0-1-11)
Max Horz 1=-94(LC 17)
Max Uplift1=-88(LC 12), 7=-99(LC 13)

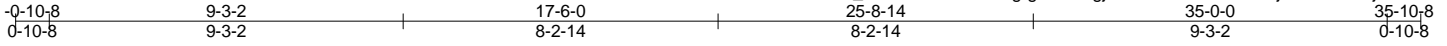
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-2780/599, 2-15=-2697/624, 2-3=-2473/555, 3-16=-2396/556, 4-16=-2382/590,
4-17=-2381/575, 5-17=-2395/555, 5-6=-2471/541, 6-18=-2710/606, 7-18=-2777/581
BOT CHORD 1-12=-462/2494, 11-12=-462/2494, 11-13=-203/1654, 13-14=-203/1654, 10-14=-203/1654,
9-10=-462/2490, 7-9=-462/2490
WEBS 2-11=-561/307, 4-11=-129/929, 4-10=-128/926, 6-10=-558/303

- 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=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 17-6-0, Exterior(2) 17-6-0 to 21-10-13, Interior(1) 21-10-13 to 35-8-2 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, 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.

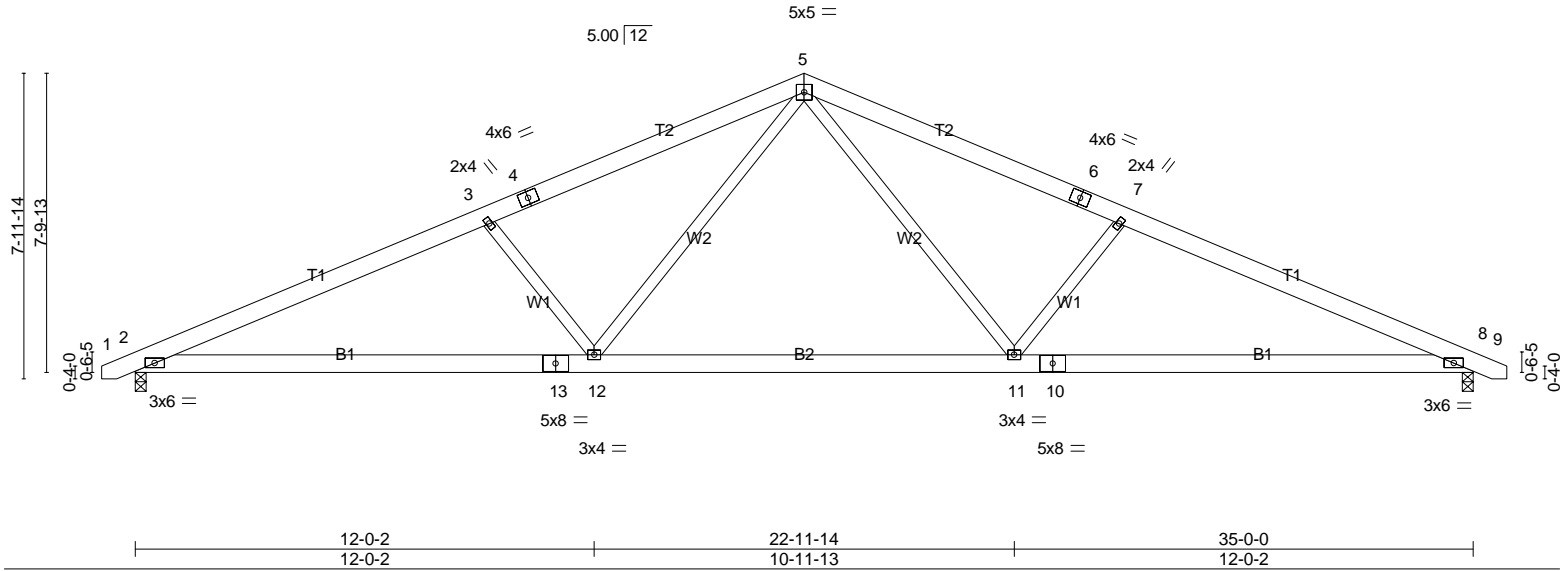
LOAD CASE(S) Standard

Job FOUNTAIN RES	Truss A3	Truss Type FINK	Qty 6	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:19 2023 Page 1
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Scale = 1:60.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.56	Vert(LL) -0.26 11-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.23	Vert(CT) -0.37 11-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.07 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.07 2-12 >999 240	Weight: 215 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-7 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=1438/0-3-8 (min. 0-1-11), 8=1438/0-3-8 (min. 0-1-11)
 Max Horz 2=-91(LC 17)
 Max Uplift 2=-99(LC 12), 8=-99(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-16=-2775/580, 3-16=-2708/605, 3-4=-2470/540, 4-17=-2393/554, 5-17=-2380/575,
 5-18=-2380/575, 6-18=-2393/554, 6-7=-2470/540, 7-19=-2708/605, 8-19=-2775/580
 BOT CHORD 2-13=-448/2489, 12-13=-448/2489, 12-14=-198/1653, 14-15=-198/1653, 11-15=-198/1653,
 10-11=-456/2489, 8-10=-456/2489
 WEBS 3-12=-558/303, 5-12=-127/926, 5-11=-127/926, 7-11=-558/303

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-2 to 3-8-10, Interior(1) 3-8-10 to 17-6-0, Exterior(2) 17-6-0 to 21-10-13, Interior(1) 21-10-13 to 35-8-2 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) 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

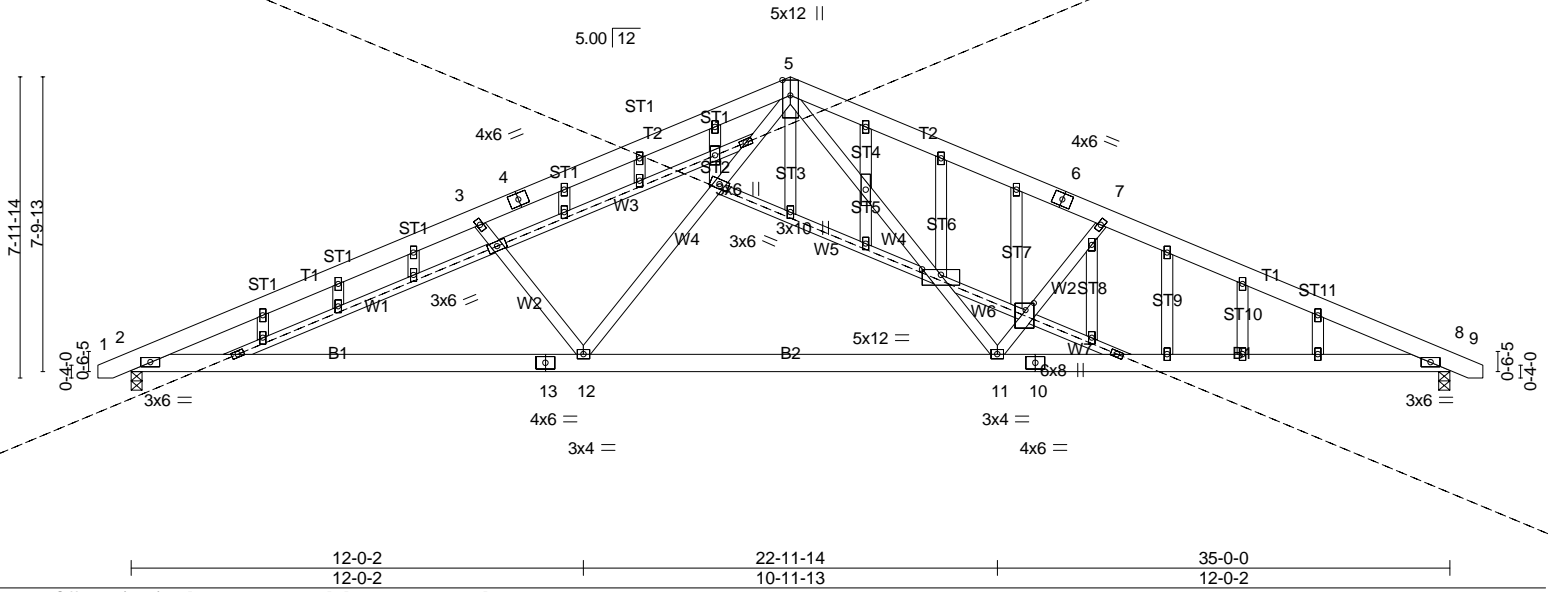
Job FOUNTAIN RES	Truss A4	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Job Reference (optional)					

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:19 2023 Page 1
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0-10-8	9-3-2	17-6-0	25-8-14	35-0-0	35-10-8
0-10-8	9-3-2	8-2-14	8-2-14	9-3-2	0-10-8

Scale = 1:61.1



12-0-2	22-11-14	35-0-0
12-0-2	10-11-13	12-0-2

Plate Offsets (X,Y)-- [15:0-2-4,0-2-11], [16:0-6-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	Vert(LL)	-0.14	8-11	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.54	Vert(CT)	-0.33	8-11	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Horz(CT)	0.07	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.10	2-12	>999		
	Code IRC2015/TPI2014						Weight: 293 lb	FT = 20%

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 4-2-7 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=1438/0-3-8 (min. 0-1-11), 8=1438/0-3-8 (min. 0-1-11)
 Max Horz 2=153(LC 12)
 Max Uplift 2=-316(LC 12), 8=-316(LC 13)

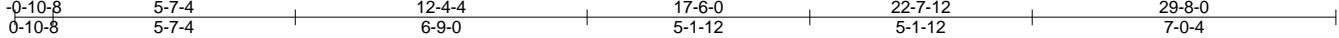
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-48=-2775/580, 3-48=-2708/605, 3-4=-2453/540, 4-49=-2361/554, 5-49=-2344/575,
 5-50=-2344/575, 6-50=-2361/554, 6-7=-2453/540, 7-51=-2708/605, 8-51=-2775/580
 BOT CHORD 2-13=-586/2489, 12-13=-586/2489, 11-12=-213/1653, 10-11=-456/2489, 8-10=-456/2489
 WEBS 3-12=-558/396, 5-12=-226/871, 5-11=-226/871, 7-11=-558/397

- 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) gable end zone and C-C Exterior(2) -0-8-2 to 3-8-10, Interior(1) 3-8-10 to 17-6-0, Exterior(2) 17-6-0 to 21-10-13, Interior(1) 21-10-13 to 35-8-2 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=316, 8=316.
 - 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 FOUNTAIN RES	Truss A5	Truss Type COMMON	Qty 5	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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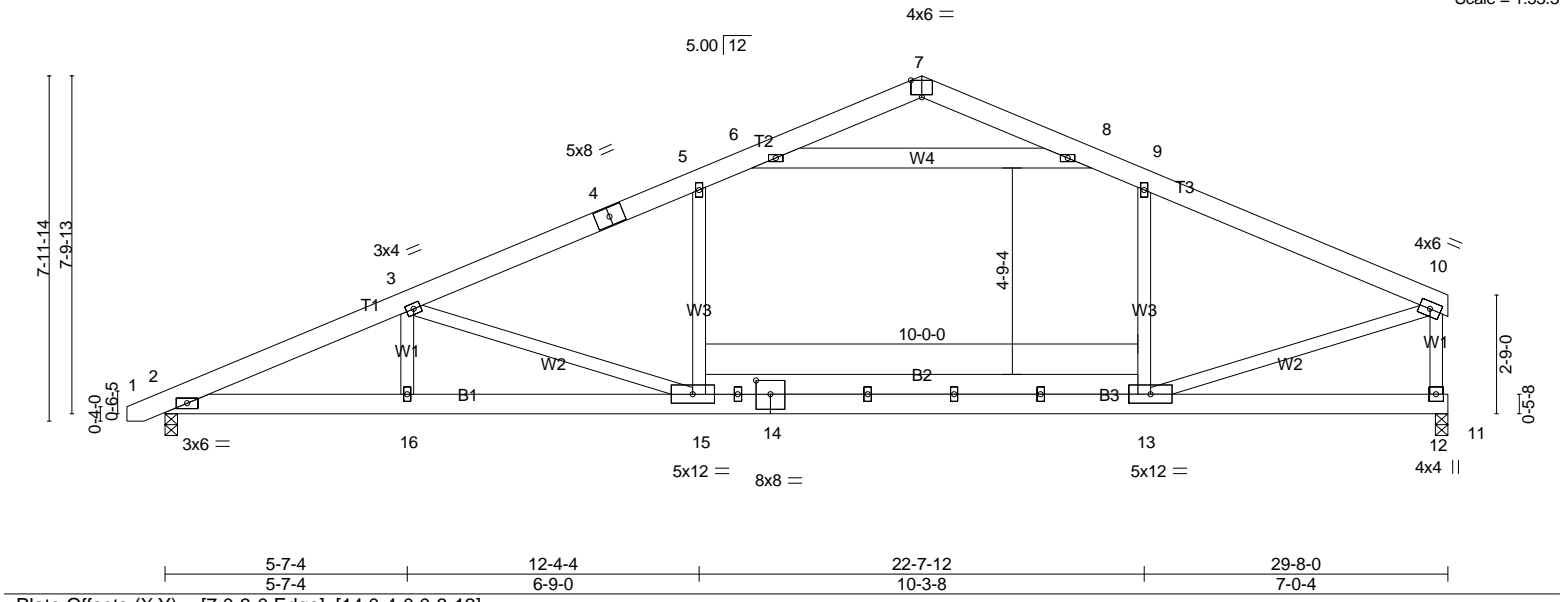


Plate Offsets (X,Y)-- [7:0-3-0,Edge], [14:0-4-0,0-3-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 1.00	Vert(LL) -0.47 13-15 >742 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.79 13-15 >445 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.33 15-16 >999 240		
				Weight: 229 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W4: 2x6 SP No.1

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
 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) 2=1220/0-3-8 (min. 0-1-8), 12=1175/0-3-8 (min. 0-1-9)
 Max Horz 2=143(LC 12)
 Max Uplift 2=-95(LC 12), 12=-53(LC 13)
 Max Grav 2=1254(LC 2), 12=1303(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-2735/510, 3-17=-2648/525, 3-4=-1927/367, 4-5=-1810/375, 5-18=-1589/398,
 6-18=-1574/403, 8-19=-1657/439, 9-19=-1675/437, 9-20=-1724/370, 10-20=-1827/352,
 10-12=-1393/332
 BOT CHORD 2-16=-507/2490, 15-16=-507/2490, 14-15=-267/1662, 13-14=-267/1662
 WEBS 3-16=0/306, 3-15=-1115/267, 5-15=0/570, 9-13=-107/250, 10-13=-271/1791, 6-8=-1687/338

- 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) -0-8-2 to 3-8-10, Interior(1) 3-8-10 to 17-6-0, Exterior(2) 17-6-0 to 21-10-13, Interior(1) 21-10-13 to 29-4-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are 2x4 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) 2, 12.
 - 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 FOUNTAIN RES	Truss A6	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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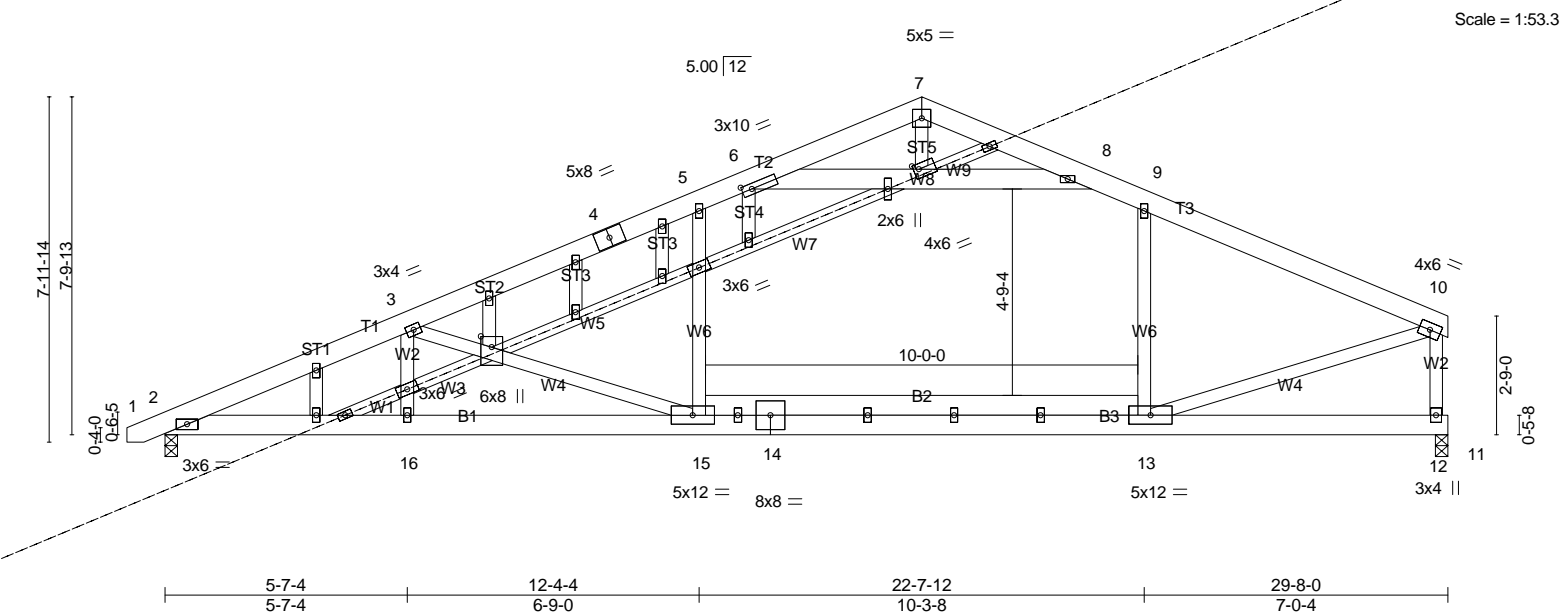
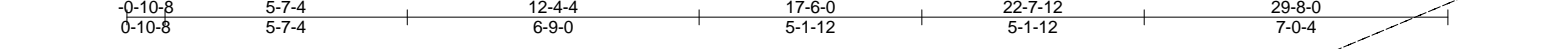


Plate Offsets (X,Y)-- [6:0-2-12,0-1-8], [19:0-3-0,0-3-0], [22:0-1-8,0-1-8]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.76	Vert(LL) -0.44 15-16 >799 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.76 15-16 >461 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.04 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.48 15-16 >728 240		
				Weight: 263 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W8: 2x6 SP No.1
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1220/0-3-8 (min. 0-1-8), 12=1175/0-3-8 (min. 0-1-8)
 Max Horz 2=221(LC 12)
 Max Uplift 2=287(LC 12), 12=212(LC 13)

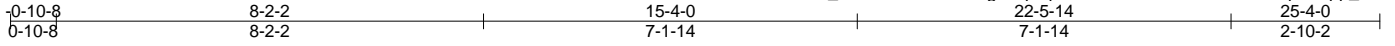
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-32=-2605/592, 3-32=-2501/609, 3-4=-1650/367, 4-5=-1520/375, 5-33=-1373/398,
 6-33=-1355/403, 8-34=-1430/439, 9-34=-1452/437, 9-35=-1429/370, 10-35=-1554/352,
 10-12=-1211/332
 BOT CHORD 2-16=-713/2361, 15-16=-713/2361, 14-15=-273/1403, 13-14=-273/1403
 WEBS 3-16=0/306, 3-15=-1115/467, 5-15=0/461, 10-13=-314/1494, 6-8=-1325/338

- 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) gable end zone and C-C Exterior(2) -0-8-2 to 3-8-10, Interior(1) 3-8-10 to 17-6-0, Exterior(2) 17-6-0 to 21-10-13, Interior(1) 21-10-13 to 29-4-12 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 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=287, 12=212.
 - 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 FOUNTAIN RES	Truss B1	Truss Type COMMON	Qty 5	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:21 2023 Page 1
 ID:4ZVSt?bZ?X9_VP0QdbZHFLzVsfG-cGpOpozWfKQLxAGZVm11J0OGTXpLY3pp_1u197zUmci



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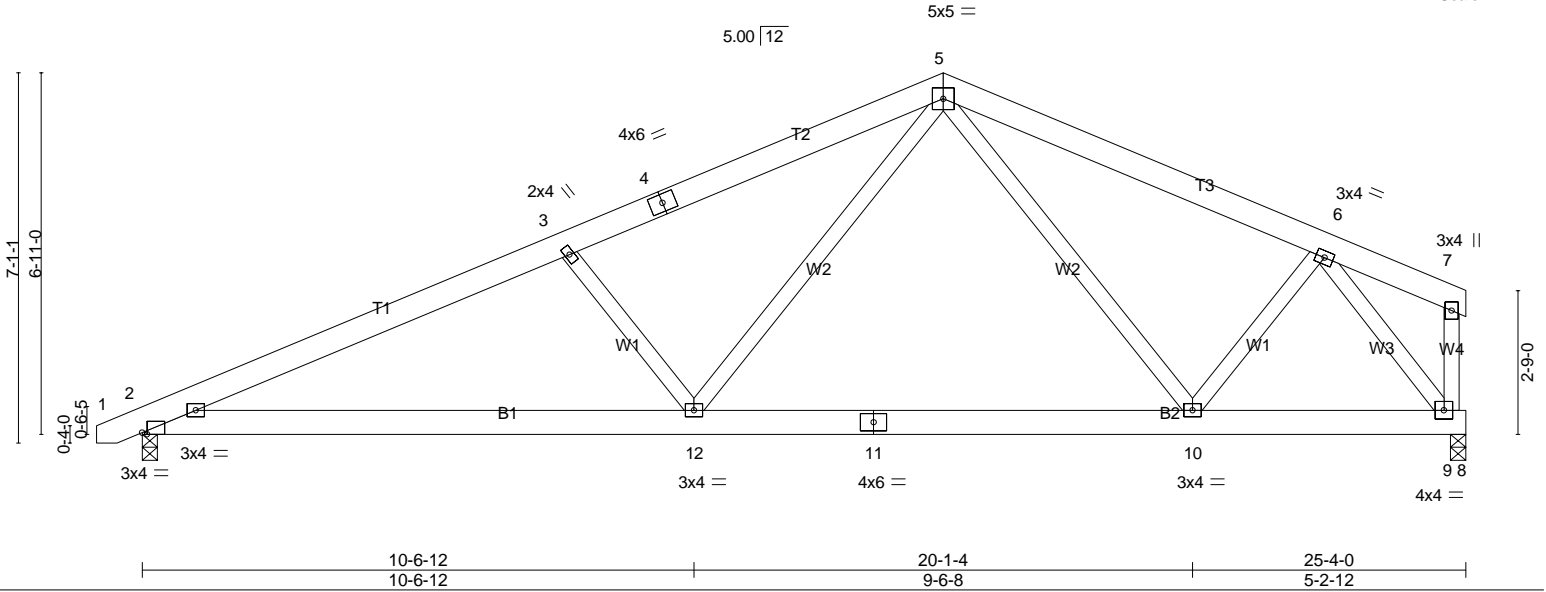


Plate Offsets (X,Y)-- [2:0-1-2,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.40	Vert(LL) -0.10 10-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.35	Vert(CT) -0.17 2-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 9 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 2-12 >999 240		Weight: 169 lb FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-4-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1047/0-3-8 (min. 0-1-8), 9=1001/0-3-8 (min. 0-1-8)
 Max Horz 2=132(LC 12)
 Max Uplift 2=84(LC 12), 9=42(LC 13)

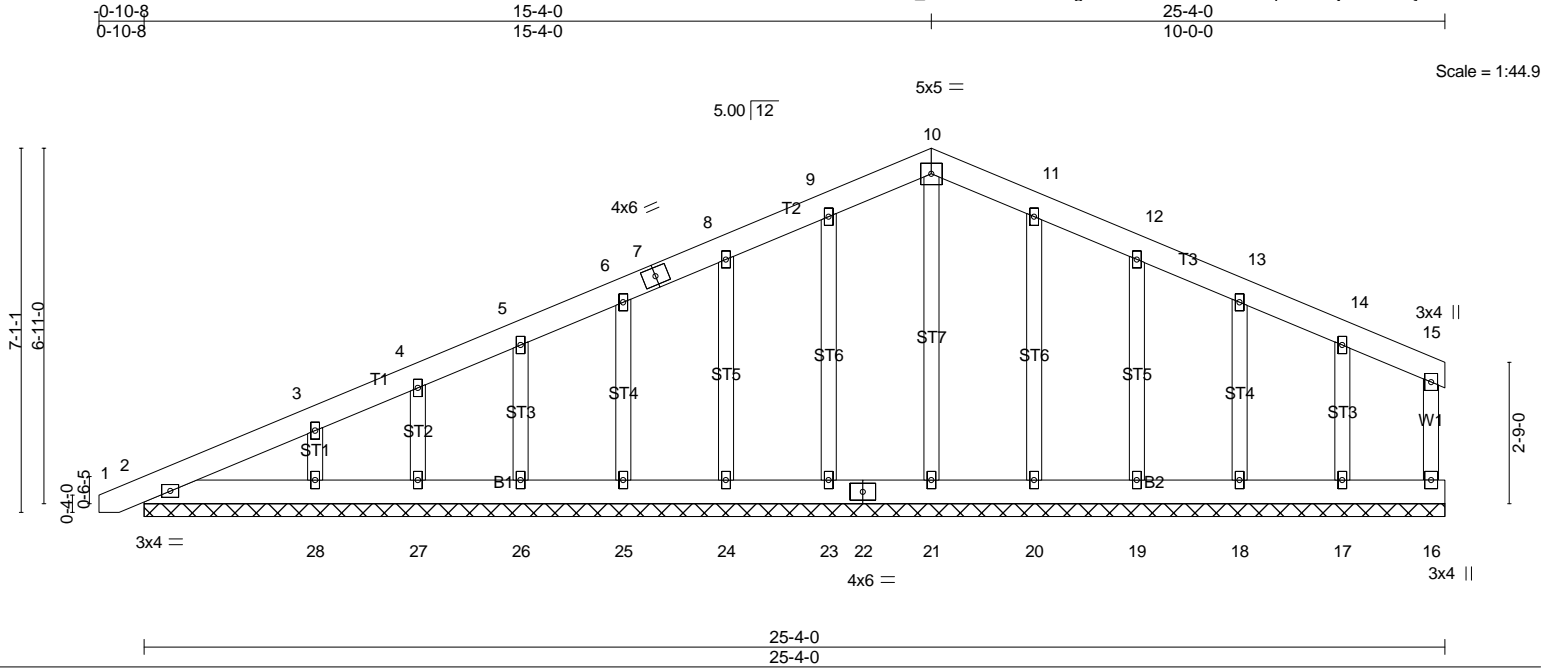
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-1868/409, 3-13=-1802/430, 3-4=-1588/369, 4-14=-1521/379, 5-14=-1495/400,
 5-15=-983/314, 15-16=-1001/294, 6-16=-1057/289
 BOT CHORD 2-12=-408/1661, 12-17=-183/926, 11-17=-183/926, 11-18=-183/926, 10-18=-183/926,
 9-10=-195/704
 WEBS 3-12=-485/269, 5-12=-108/790, 6-10=0/382, 6-9=-1199/334

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) 0-8-2 to 3-8-10, Interior(1) 3-8-10 to 15-4-0, Exterior(2) 15-4-0 to 19-8-13, Interior(1) 19-8-13 to 25-0-12 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, 9.
 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 FOUNTAIN RES	Truss B1GE	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:22 2023 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 0.04	Vert(LL) -0.00 1 n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) 0.00 1 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.00 16 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S			Weight: 189 lb FT = 20%

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 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. All bearings 25-4-0.
 (lb) - Max Horz 2=203(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 23, 24, 25, 26, 27, 20, 19, 18, 17 except 28=-102(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 2, 16, 21, 23, 24, 25, 26, 27, 20, 19, 18, 17 except 28=261(LC 23)

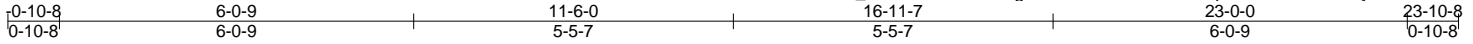
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 9-10=-78/259, 10-11=-78/260

- 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) -0-8-2 to 3-8-10, Exterior(2) 3-8-10 to 15-4-0, Corner(3) 15-4-0 to 19-8-13, Exterior(2) 19-8-13 to 25-0-12 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) 2, 16, 23, 24, 25, 26, 27, 20, 19, 18, 17 except (jt=lb) 28=102.
 - 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.

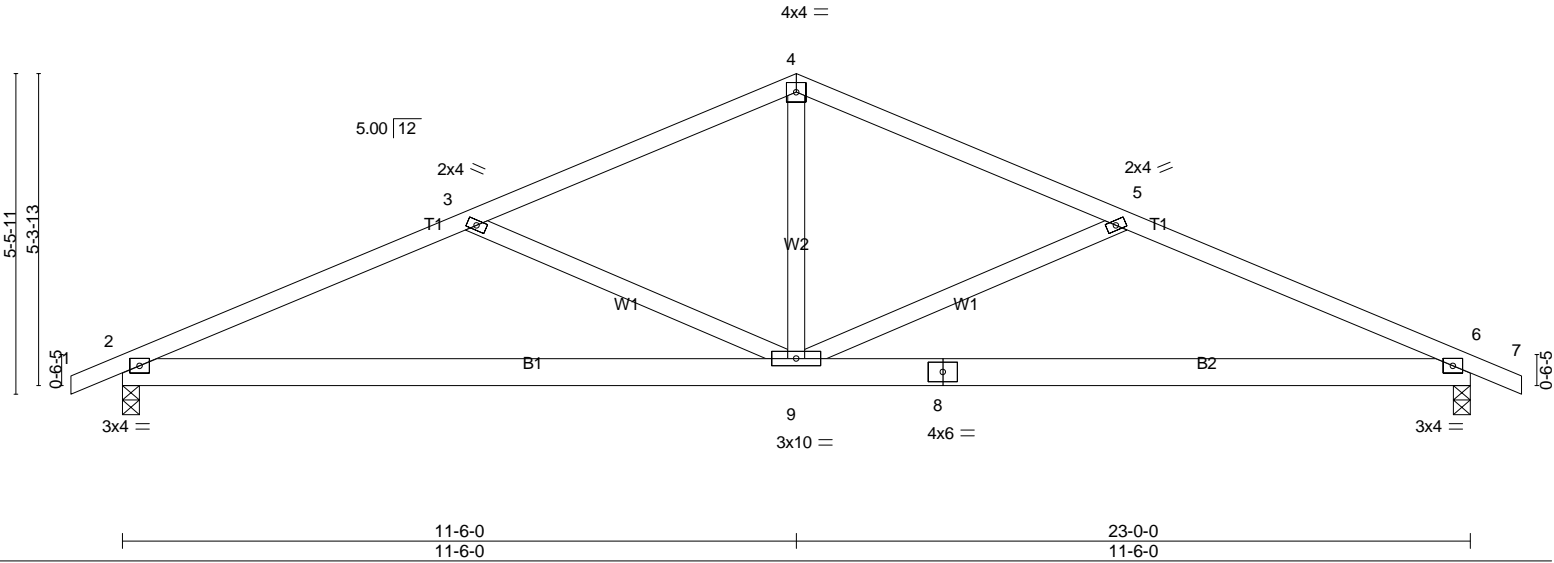
LOAD CASE(S) Standard

Job FOUNTAIN RES	Truss C1	Truss Type QUEENPOST	Qty 3	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:22 2023 Page 1
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Scale = 1:39.3



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 0.32	Vert(LL) -0.10 2-9 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.49	Vert(CT) -0.22 2-9 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.28	Horz(CT) 0.03 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.04 2-9 >999 240		
				Weight: 118 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-6-4 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) 6=970/0-3-8 (min. 0-1-8), 2=970/0-3-8 (min. 0-1-8)
 Max Horz 2=62(LC 16)
 Max Uplift 6=-72(LC 13), 2=-72(LC 12)

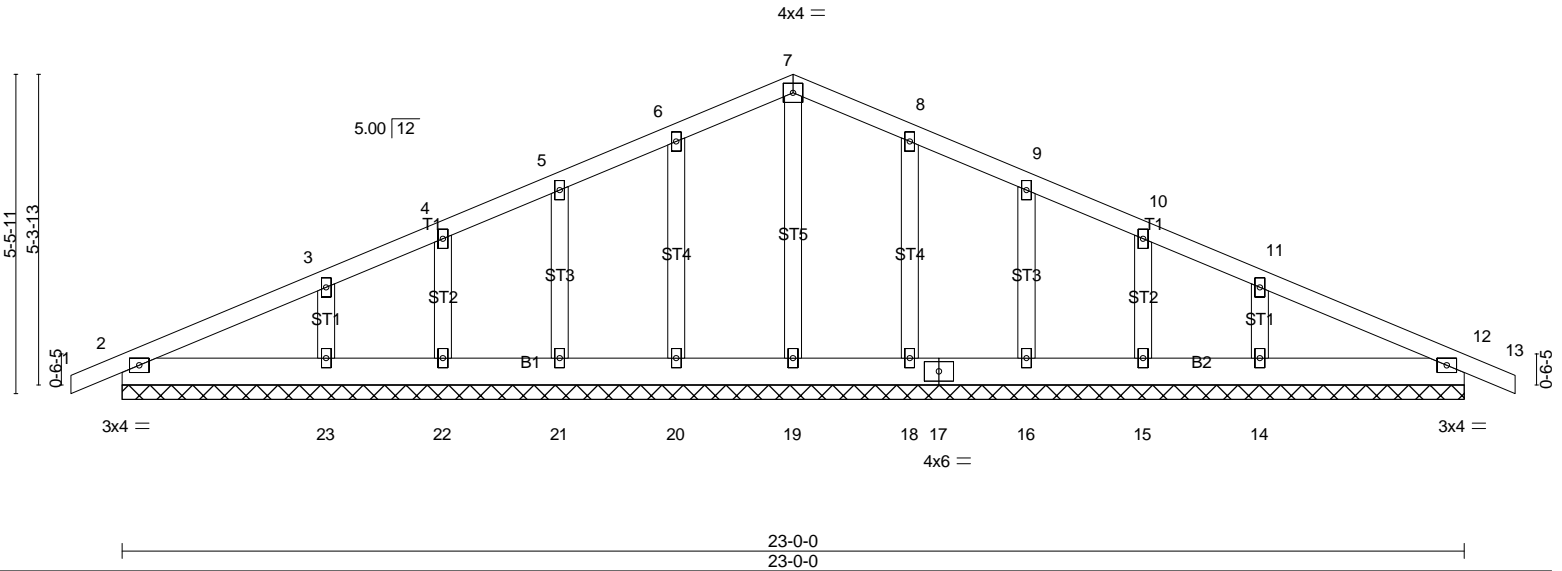
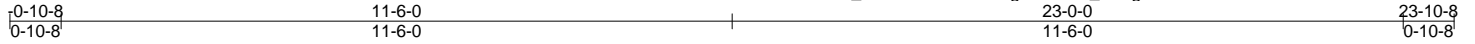
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-10=-1698/429, 3-10=-1615/444, 3-11=-1280/284, 4-11=-1208/308, 4-12=-1208/308,
 5-12=-1280/284, 5-13=-1615/444, 6-13=-1698/429
 BOT CHORD 2-9=-333/1492, 8-9=-340/1492, 6-8=-340/1492
 WEBS 3-9=-437/268, 4-9=-56/660, 5-9=-437/268

- 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) 0-10-8 to 3-6-5, Interior(1) 3-6-5 to 11-6-0, Exterior(2) 11-6-0 to 15-10-13, Interior(1) 15-10-13 to 23-10-8 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 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.

LOAD CASE(S) Standard

Job FOUNTAIN RES	Truss C1GE	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:23 2023 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 0.09	Vert(LL) 0.00 12 n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.04	Vert(CT) 0.00 13 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT) 0.00 12 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S			Weight: 131 lb FT = 20%

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

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

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

REACTIONS. All bearings 23-0-0.
 (lb) - Max Horz 2=104(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 12, 2, 20, 21, 22, 18, 16, 15 except 23=110(LC 12), 14=109(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 12, 2, 19, 20, 21, 22, 18, 16, 15 except 23=272(LC 23), 14=272(LC 24)

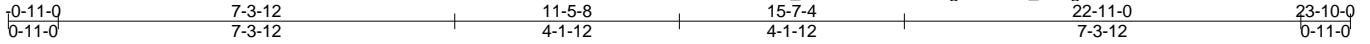
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=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 11-6-0, Corner(3) 11-6-0 to 15-10-13, Exterior(2) 15-10-13 to 23-10-8 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) 12, 2, 20, 21, 22, 18, 16, 15 except (jt=lb) 23=110, 14=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 FOUNTAIN RES	Truss D1	Truss Type COMMON	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:23 2023 Page 1
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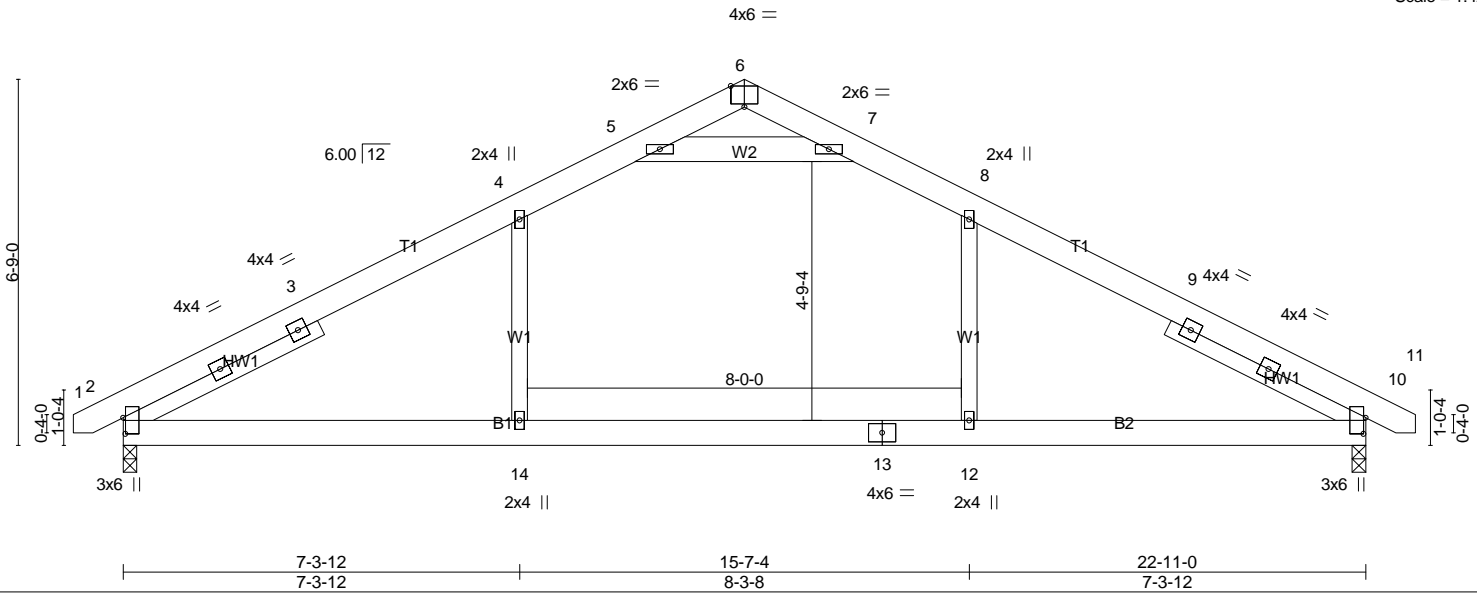


Plate Offsets (X,Y)-- [2:0-3-10,0-0-8], [6:0-3-0,Edge], [10:0-3-10,0-0-8]

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 0.48	Vert(LL)	-0.15 12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.41	Vert(CT)	-0.21 12-14	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.03 10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.08 2-14	>999	240		
								Weight: 152 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W2: 2x6 SP No.1
 SLIDER Left 2x4 SP No.2 -p 4-0-6, Right 2x4 SP No.2 -p 4-0-6

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-10-8 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=961/0-3-0 (min. 0-1-8), 10=961/0-3-0 (min. 0-1-8)
 Max Horz 2=83(LC 9)
 Max Uplift 2=-64(LC 12), 10=-64(LC 13)
 Max Grav 2=1026(LC 2), 10=1026(LC 2)

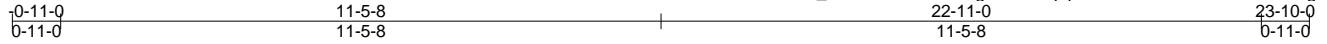
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1571/283, 3-4=-1400/307, 4-5=-1210/356, 5-6=-94/521, 6-7=-94/521, 7-8=-1210/356,
 8-9=-1400/307, 9-10=-1571/283
 BOT CHORD 2-14=-148/1249, 13-14=-148/1249, 12-13=-148/1249, 10-12=-148/1249
 WEBS 8-12=0/454, 4-14=0/454, 5-7=-1831/480

- 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) and C-C Exterior(2) -0-8-14 to 3-7-15, Interior(1) 3-7-15 to 11-5-8, Exterior(2) 11-5-8 to 15-7-4, Interior(1) 15-7-4 to 23-7-14 zone; end vertical left and right 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 BCCL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
 - 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 FOUNTAIN RES	Truss D1GE	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:24 2023 Page 1
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Scale = 1:44.0

Plate Offsets (X,Y)-- [14:Edge,0-6-10]

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	14	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.01	Vert(CT)	-0.00	14	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
										Weight: 174 lb FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.2
 SLIDER Left 2x4 SP No.2 -p 1-5-14, Right 2x4 SP No.2 -p 1-5-14

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

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

REACTIONS. All bearings 22-11-0.
 (lb) - Max Horz 2=123(LC 16)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 23, 24, 25, 26, 21, 19, 18, 17 except 27=-115(LC 12), 16=-100(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 2, 14, 22, 23, 24, 25, 26, 27, 21, 19, 18, 17, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 7-8=-90/253, 8-9=-90/250

- 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) -0-8-14 to 3-5-8, Exterior(2) 3-5-8 to 11-5-8, Corner(3) 11-5-8 to 15-10-5, Exterior(2) 15-10-5 to 23-7-14 zone; end vertical left and right exposed; 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, 23, 24, 25, 26, 21, 19, 18, 17 except (jt=lb) 27=115, 16=100.
 - 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 FOUNTAIN RES	Truss D2	Truss Type COMMON	Qty 5	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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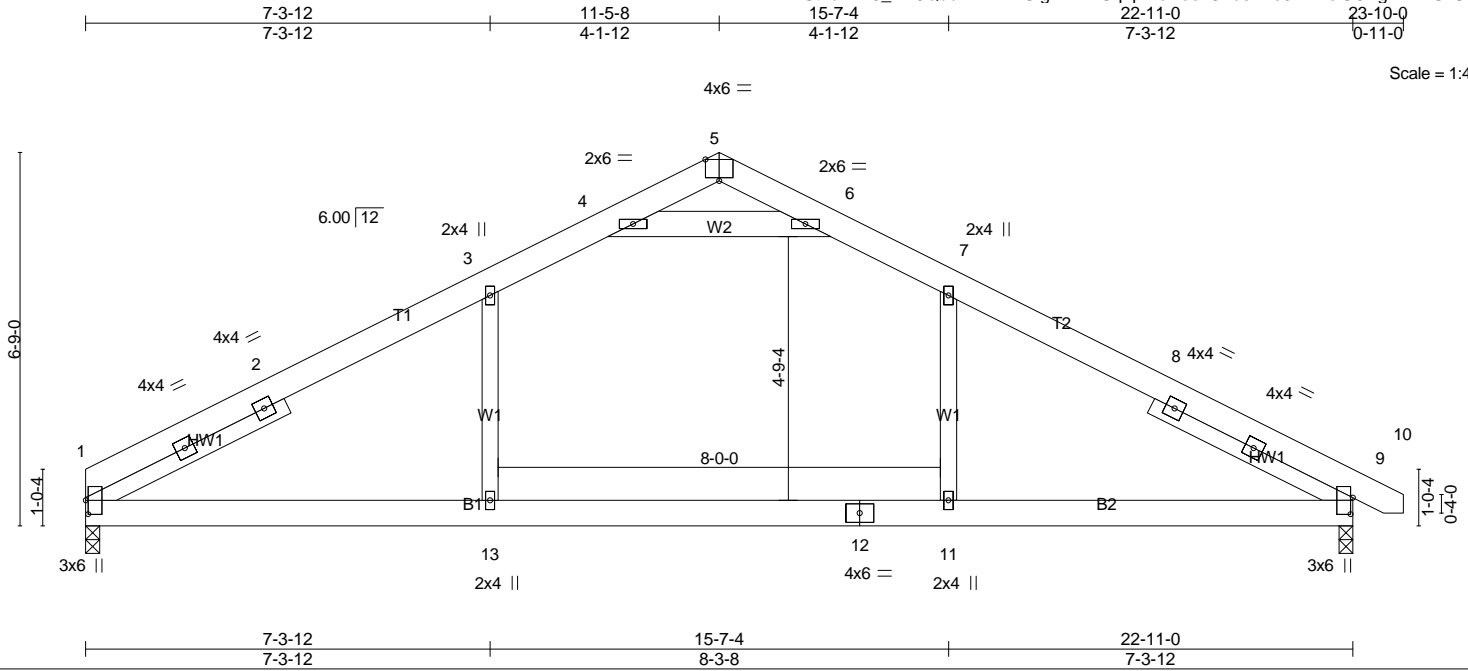


Plate Offsets (X,Y)-- [1:0-3-0,0-0-8], [5:0-3-0,Edge], [9:0-3-10,0-0-8]

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 0.48	Vert(LL)	-0.15 11-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.42	Vert(CT)	-0.21 11-13	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.03 9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.08 1-13	>999	240		
								Weight: 149 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W2: 2x6 SP No.1
 SLIDER Left 2x4 SP No.2 -p 4-0-6, Right 2x4 SP No.2 -p 4-0-6

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=916/0-3-0 (min. 0-1-8), 9=962/0-3-0 (min. 0-1-8)
 Max Horz 1=86(LC 9)
 Max Uplift 1=-54(LC 12), 9=-64(LC 13)
 Max Grav 1=988(LC 2), 9=1026(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1571/291, 2-14=-1449/295, 3-14=-1401/310, 3-4=-1211/365, 4-5=-96/524,
 5-6=-108/524, 6-7=-1211/356, 7-8=-1402/308, 8-9=-1573/284
 BOT CHORD 1-13=-154/1251, 12-13=-154/1251, 11-12=-154/1251, 9-11=-154/1251
 WEBS 7-11=0/454, 3-13=0/452, 4-6=-1836/507

- 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) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 11-5-8, Exterior(2) 11-5-8 to 15-7-4, Interior(1) 15-7-4 to 23-7-14 zone; end vertical right 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 BCCL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.
 - 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 FOUNTAIN RES	Truss D3	Truss Type COMMON	Qty 3	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:25 2023 Page 1
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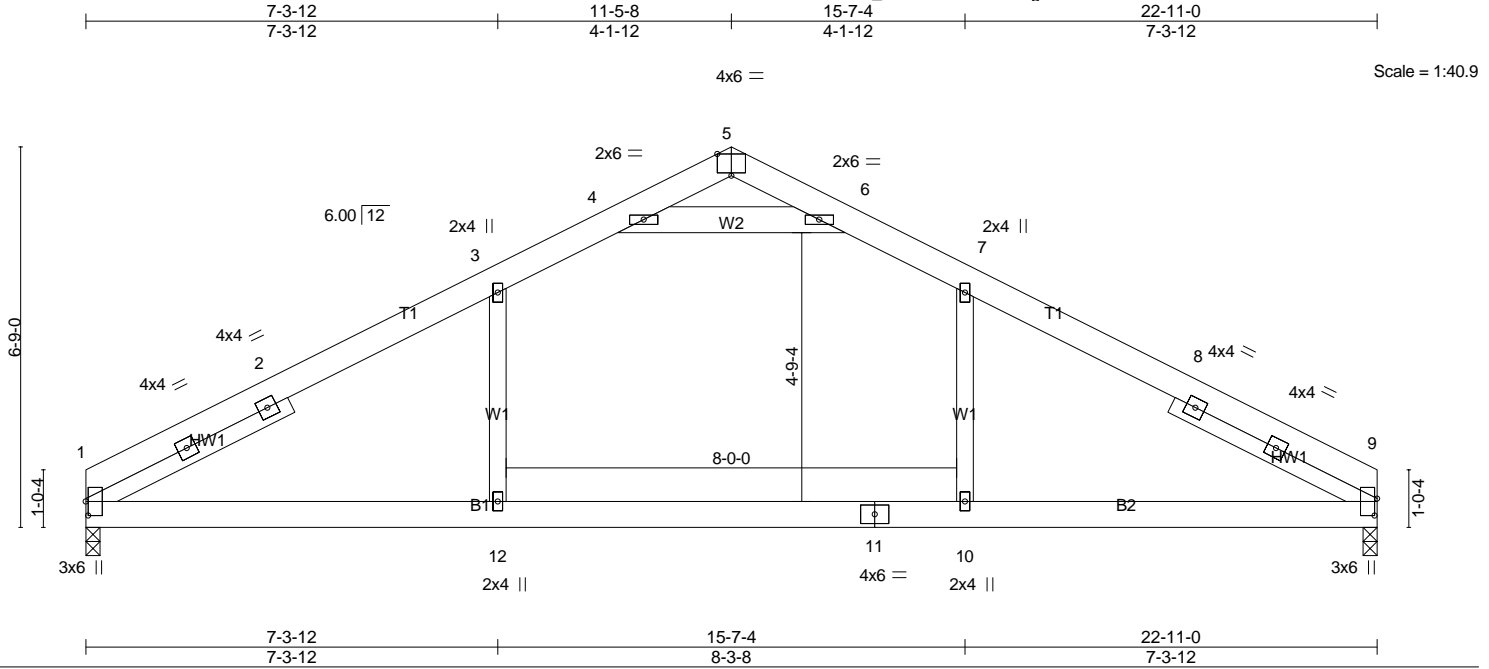


Plate Offsets (X,Y)-- [1:0-3-0,0-0-8], [5:0-3-0,Edge], [9:0-3-10,0-0-8]

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 0.48	Vert(LL)	-0.15	10-12	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.41	Vert(CT)	-0.21	10-12	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.03	9	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.08	1-12	>999		
								Weight: 147 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-10-1 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*	
W2: 2x6 SP No.1	
SLIDER Left 2x4 SP No.2 -p 4-0-6, Right 2x4 SP No.2 -p 4-0-6	

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

REACTIONS. (lb/size) 1=917/0-3-0 (min. 0-1-8), 9=917/0-3-0 (min. 0-1-8)
 Max Horz 1=-82(LC 10)
 Max Uplift1=-54(LC 12), 9=-54(LC 13)
 Max Grav 1=989(LC 2), 9=989(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1573/292, 2-13=-1450/296, 3-13=-1402/311, 3-4=-1213/366, 4-5=-110/527,
 5-6=-110/527, 6-7=-1213/366, 7-14=-1402/311, 8-14=-1450/296, 8-9=-1573/292
 BOT CHORD 1-12=-149/1254, 11-12=-149/1254, 10-11=-149/1254, 9-10=-149/1254
 WEBS 7-10=0/453, 3-12=0/453, 4-6=-1841/509

- 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) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 11-5-8, Exterior(2) 11-5-8 to 15-7-4, Interior(1) 15-7-4 to 22-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCCL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.
 - 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 FOUNTAIN RES	Truss G1	Truss Type QUEENPOST	Qty 3	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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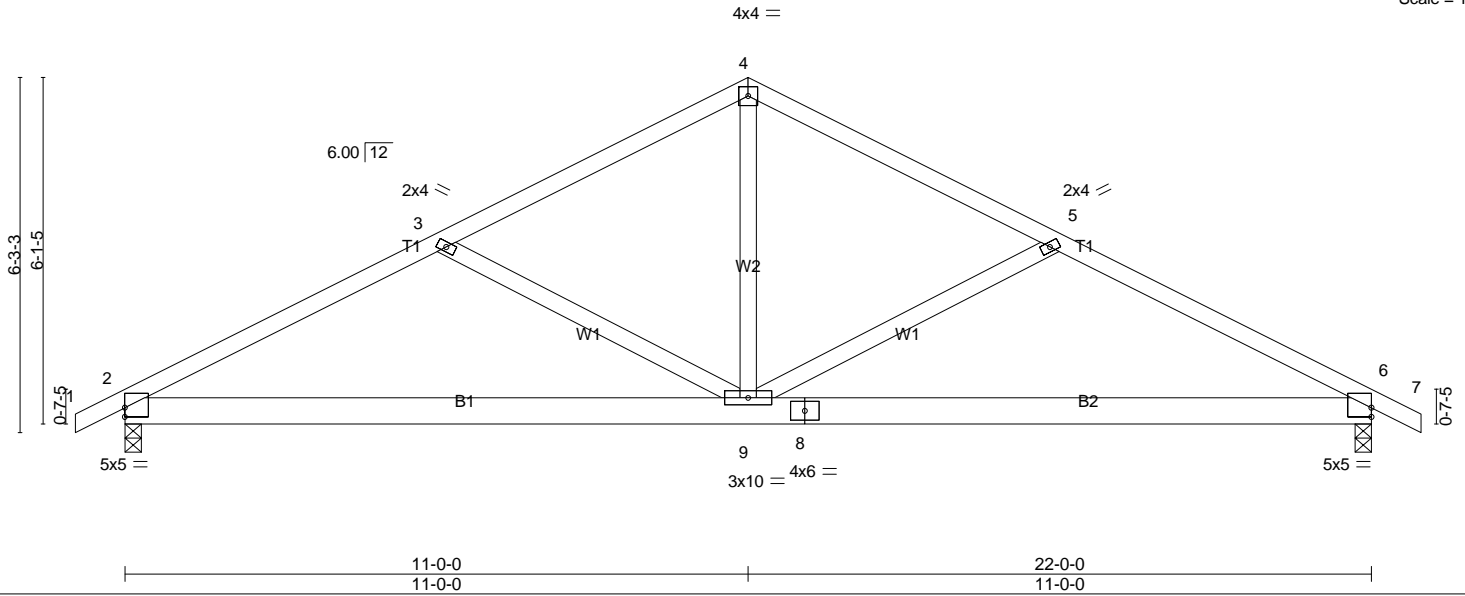


Plate Offsets (X,Y)-- [2:Edge,0-1-15], [6:0-0-0,0-1-15]

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 0.30	Vert(LL)	-0.08	6-9	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.43	Vert(CT)	-0.17	6-9	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.02	6	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.18	2-9	>999		
								Weight: 117 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-6-14 oc bracing.

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

REACTIONS. (lb/size) 6=930/0-3-8 (min. 0-1-8), 2=930/0-3-8 (min. 0-1-8)
 Max Horz 2=-77(LC 10)
 Max Uplift 6=-196(LC 8), 2=-155(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-10=-1405/1120, 3-10=-1265/1139, 3-11=-1065/1027, 4-11=-983/1053, 4-12=-983/1053,
 5-12=-1065/1027, 5-13=-1265/1139, 6-13=-1405/1120
 BOT CHORD 2-9=-928/1171, 8-9=-934/1171, 6-8=-934/1171
 WEBS 3-9=-352/239, 4-9=-769/622, 5-9=-352/239

- 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) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 11-0-0, Exterior(2) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 22-10-8 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=196, 2=155.
 - 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 FOUNTAIN RES	Truss G1GE	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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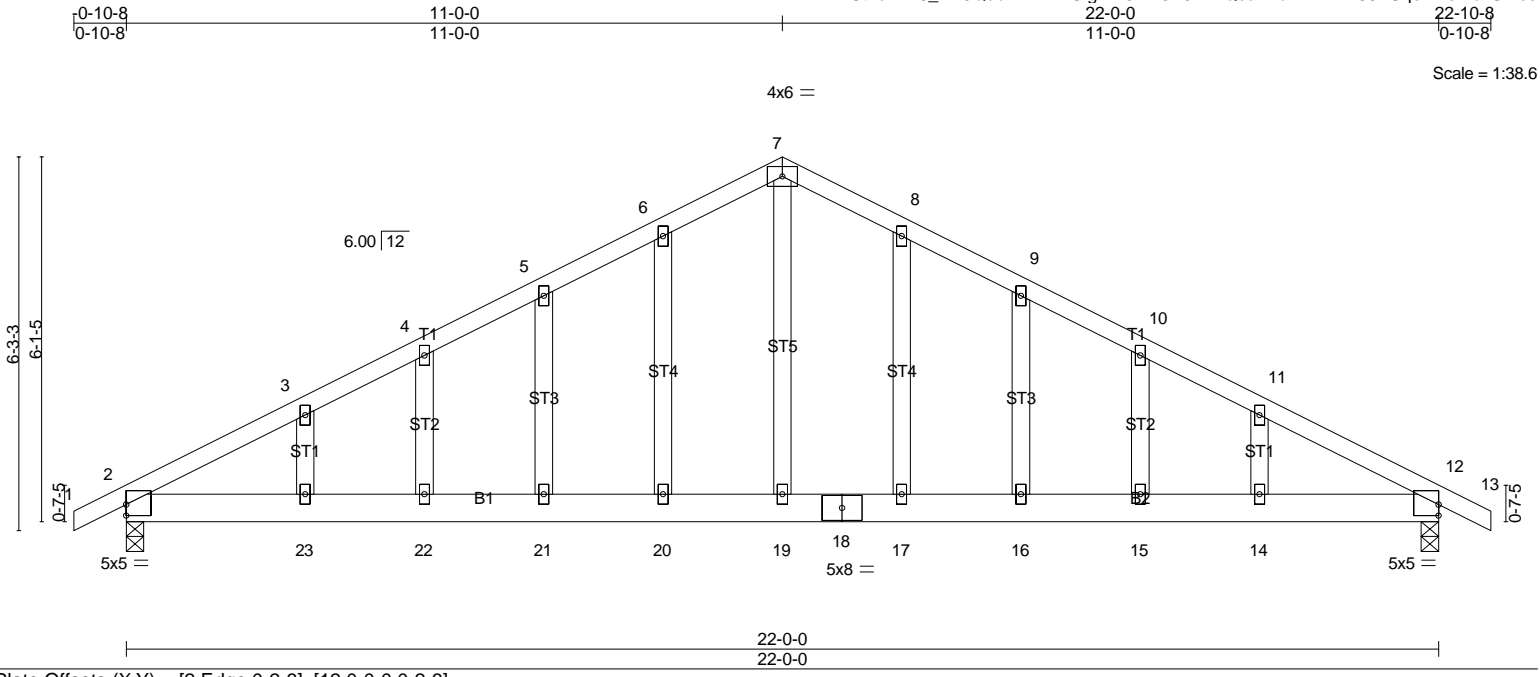


Plate Offsets (X,Y)-- [2:Edge,0-2-3], [12:0-0-0,0-2-3]

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)	-0.21 15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.72	Vert(CT)	-0.32 15-16	>810	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.02 12	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.26 15	>999	240		
								Weight: 134 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.

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

REACTIONS. (lb/size) 12=930/0-3-8 (min. 0-1-8), 2=930/0-3-8 (min. 0-1-8)
 Max Horz 2=-120(LC 13)
 Max Uplift 12=-251(LC 8), 2=-207(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1217/1174, 3-28=-1139/1220, 4-28=-1109/1227, 4-29=-1121/1253, 5-29=-1084/1261,
 5-6=-1109/1305, 6-7=-1115/1364, 7-8=-1115/1364, 8-9=-1109/1305, 9-30=-1084/1261,
 10-30=-1121/1253, 10-31=-1109/1227, 11-31=-1139/1220, 11-12=-1217/1174
 BOT CHORD 2-23=-893/992, 23-24=-893/992, 22-24=-893/992, 22-25=-893/992, 21-25=-893/992,
 20-21=-893/992, 19-20=-893/992, 18-19=-893/992, 17-18=-893/992, 16-17=-893/992,
 16-26=-893/992, 15-26=-893/992, 15-27=-893/992, 14-27=-893/992, 12-14=-893/992
 WEBS 7-19=-1006/780

- 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) gable end zone and C-C Corner(3) 0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 11-0-0, Corner(3) 11-0-0 to 15-4-13, Exterior(2) 15-4-13 to 22-10-8 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) 12=251, 2=207.
 - 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 FOUNTAIN RES	Truss M1GE	Truss Type GABLE	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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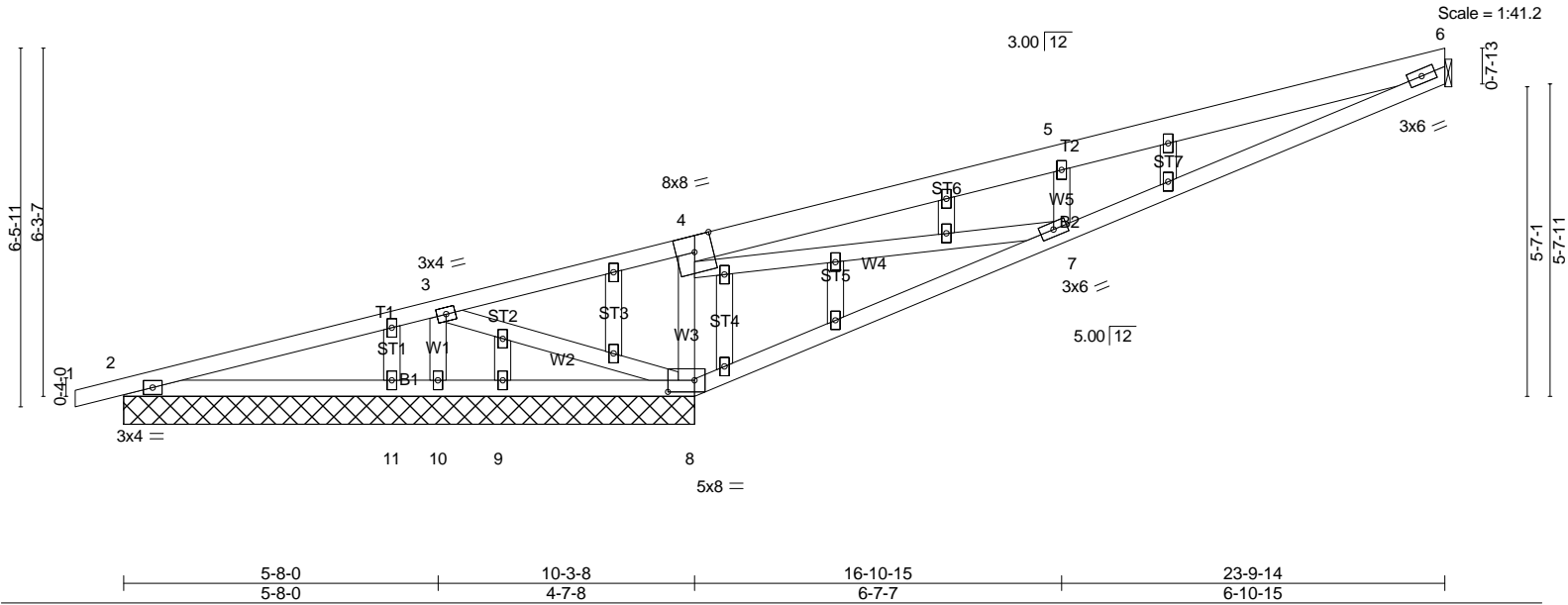


Plate Offsets (X,Y)-- [8:0-5-12,0-2-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.34	Vert(LL) -0.06	6-7	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.36	Vert(CT) -0.14	6-7	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.57	Horz(CT) -0.00	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.06	6-7	>999	240		
	Code IRC2015/TPI2014						Weight: 122 lb	FT = 20%

LUMBER-
 TOP CHORD 2x6 SP No.1 *Except*
 T1: 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.2
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
 8-9-6 oc bracing: 6-7.

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

REACTIONS. All bearings 10-3-8 except (jt=length) 6=Mechanical.
 (lb) - Max Horz 2=276(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2 except 6=-136(LC 12), 8=-366(LC 8), 10=-239(LC 3)
 Max Grav All reactions 250 lb or less at joint(s) 2, 9 except 6=399(LC 1), 8=1182(LC 1), 11=281(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-24=-289/201, 3-24=-278/233, 3-4=-493/735, 4-5=-870/319, 5-25=-867/406,
 6-25=-817/415
 BOT CHORD 7-8=-766/297, 6-7=-506/883
 WEBS 3-8=-528/283, 4-8=-633/361, 4-7=-709/1486, 5-7=-413/361

- 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) gable end zone and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 23-9-14 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 6=136, 8=366, 10=239.
 - 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 FOUNTAIN RES	Truss VD1	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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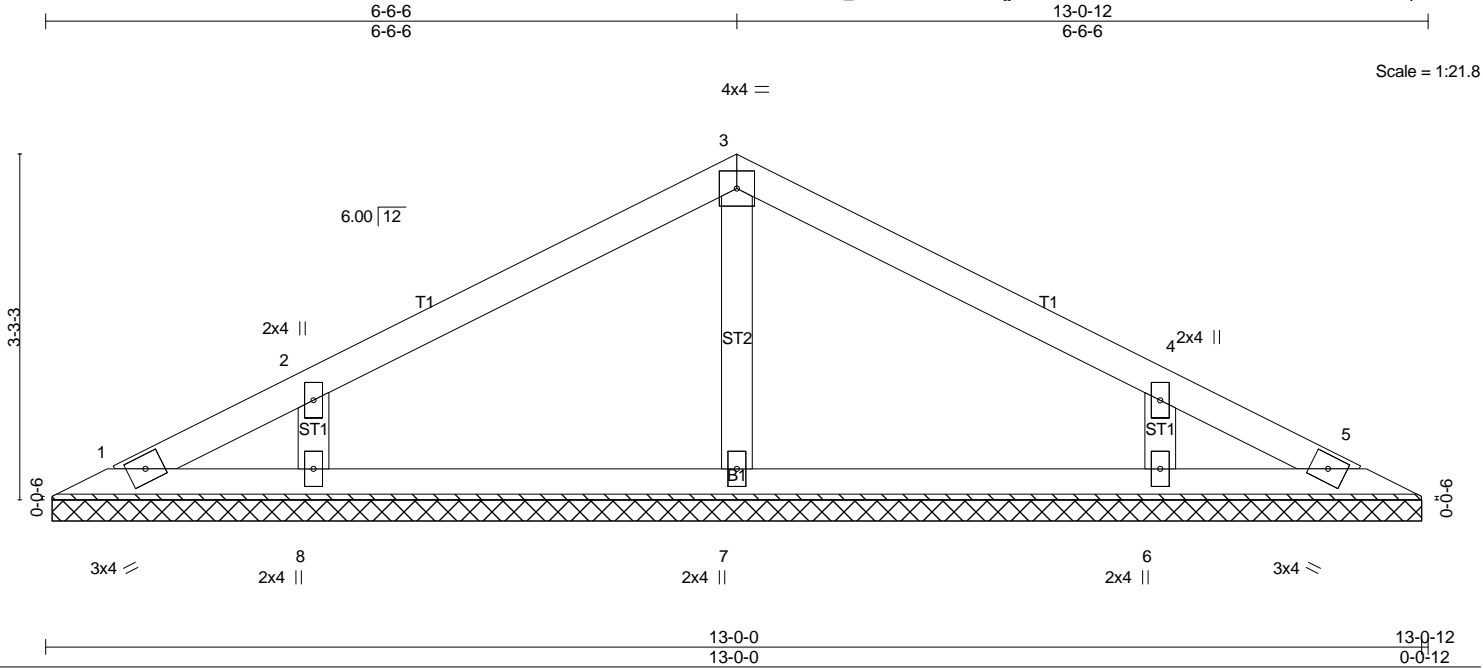


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 45 lb	FT = 20%

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

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

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

REACTIONS. All bearings 12-11-4.
 (lb) - Max Horz 1=39(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=297(LC 23), 6=297(LC 24)

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

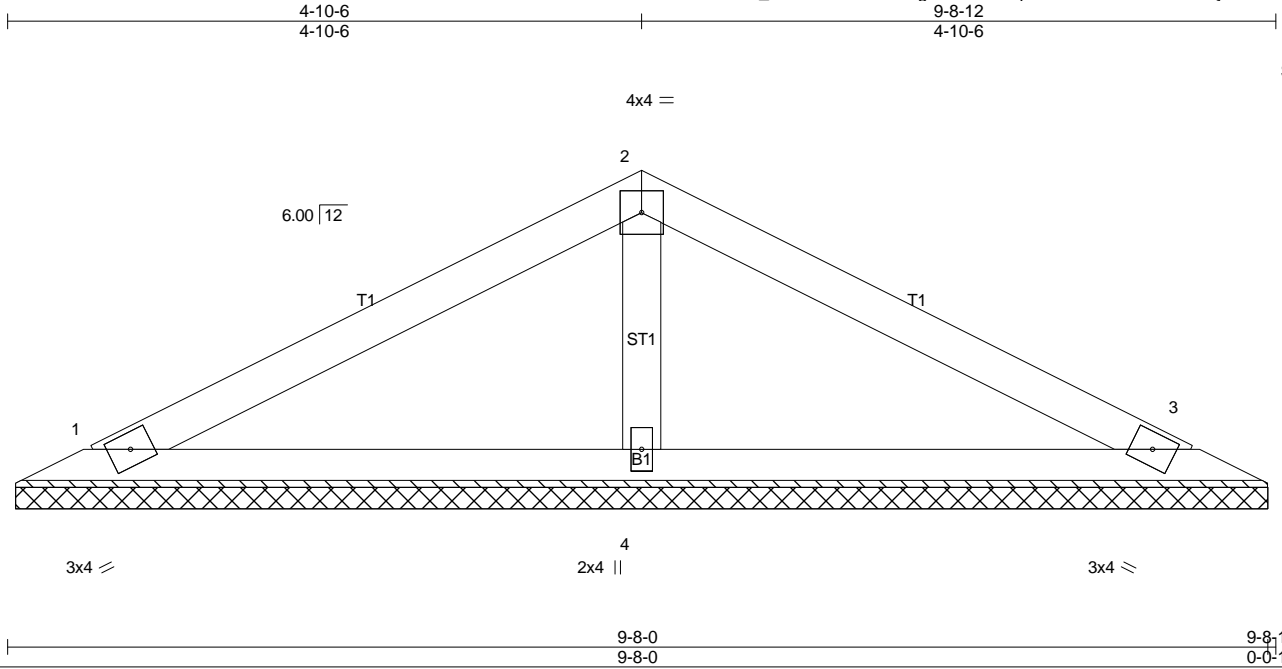
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 6-6-6, Exterior(2) 6-6-6 to 10-11-3, Interior(1) 10-11-3 to 12-4-15 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 FOUNTAIN RES	Truss VD2	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:27 2023 Page 1
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Scale = 1:17.7

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	2-0-0	Plate Grip DOL	1.15	TC	0.18	in	(loc)	l/defl	L/d	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(LL)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Vert(CT)	n/a	-	n/a	999			
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Horz(CT)	0.00	3	n/a	n/a			Weight: 31 lb FT = 20%

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

BRACING-
TOP CHORD
BOT CHORD

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

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

REACTIONS. (lb/size) 1=155/9-7-4 (min. 0-1-8), 3=154/9-7-4 (min. 0-1-8), 4=365/9-7-4 (min. 0-1-8)
Max Horz 1=28(LC 9)
Max Uplift 1=-21(LC 12), 3=-25(LC 13)
Max Grav 1=156(LC 23), 3=156(LC 24), 4=365(LC 1)

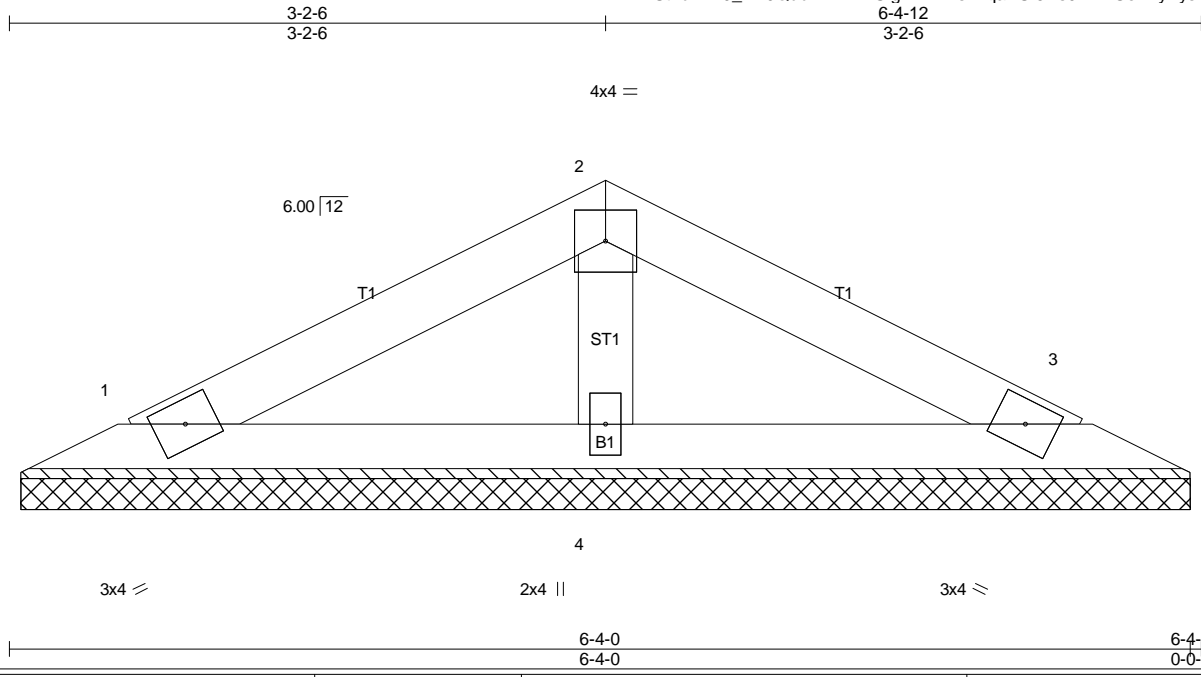
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; 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
 - 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

Job FOUNTAIN RES	Truss VD3	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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Scale = 1:12.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						
	Code IRC2015/TPI2014						Weight: 19 lb	FT = 20%

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

BRACING-
 TOP CHORD
 BOT CHORD

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

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

REACTIONS. (lb/size) 1=104/6-3-4 (min. 0-1-8), 3=104/6-3-4 (min. 0-1-8), 4=200/6-3-4 (min. 0-1-8)
 Max Horz 1=-17(LC 8)
 Max Uplift 1=-17(LC 12), 3=-19(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; 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
 - 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

Job FOUNTAIN RES	Truss VD4	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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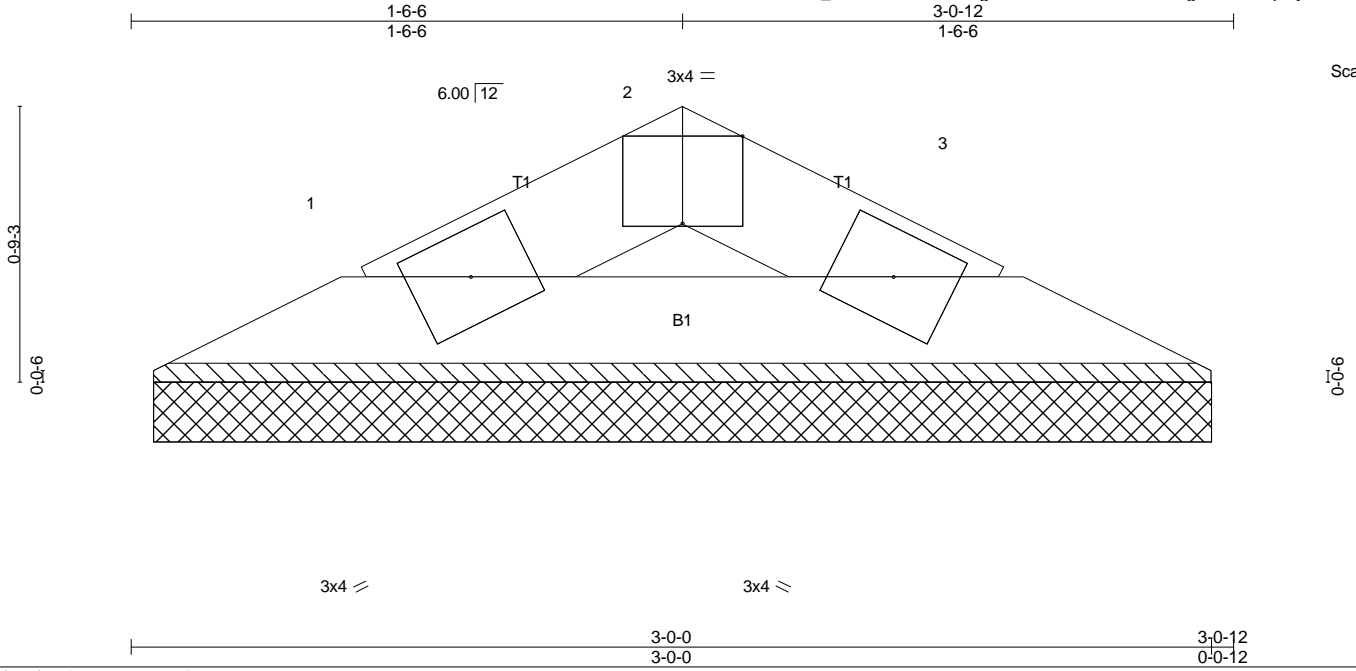


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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 0.01	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P					Weight: 7 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-0-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=70/2-11-4 (min. 0-1-8), 3=70/2-11-4 (min. 0-1-8)
 Max Horz 1=-6(LC 8)
 Max Uplift1=-4(LC 12), 3=-4(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.

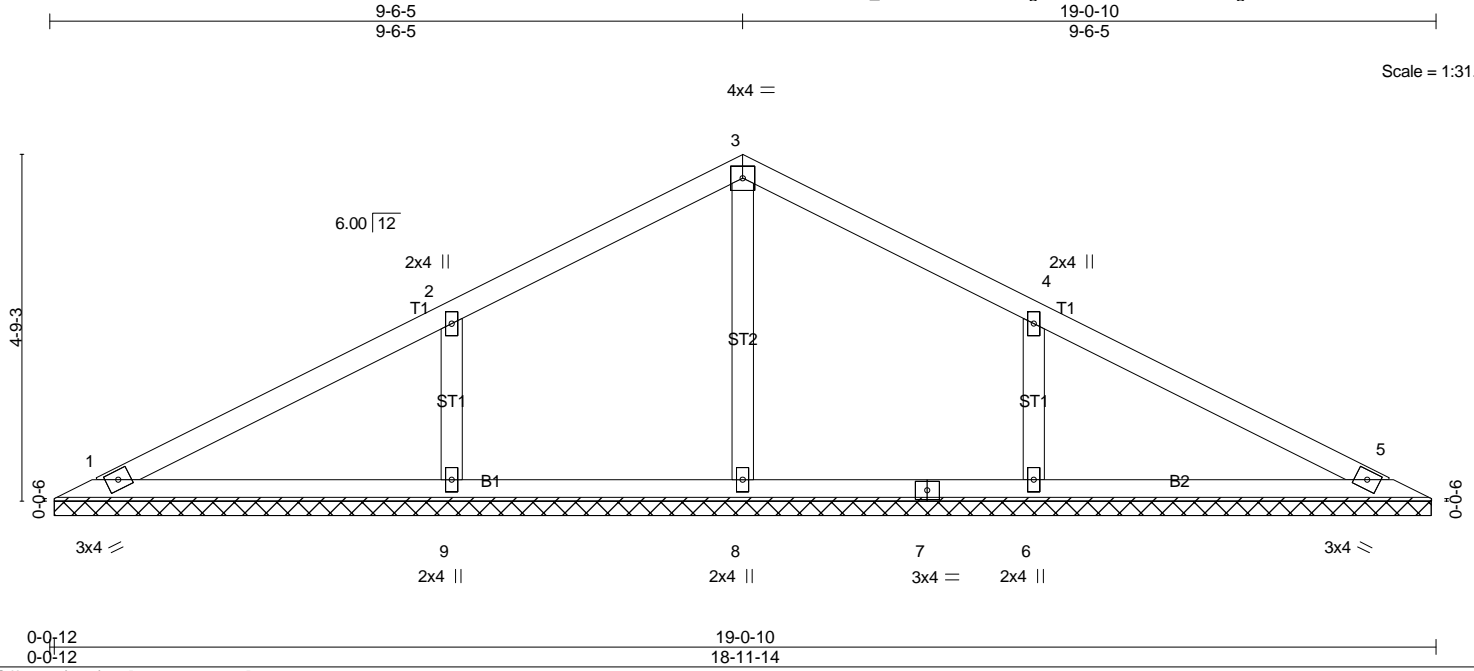
LOAD CASE(S) Standard

Job FOUNTAIN RES	Truss VG1	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
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Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

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Job Reference (optional)



Scale = 1:31.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 70 lb	FT = 20%

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

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

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

REACTIONS. All bearings 18-11-2.
(lb) - Max Horz 1=58(LC 11)
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=435(LC 23), 6=435(LC 24)

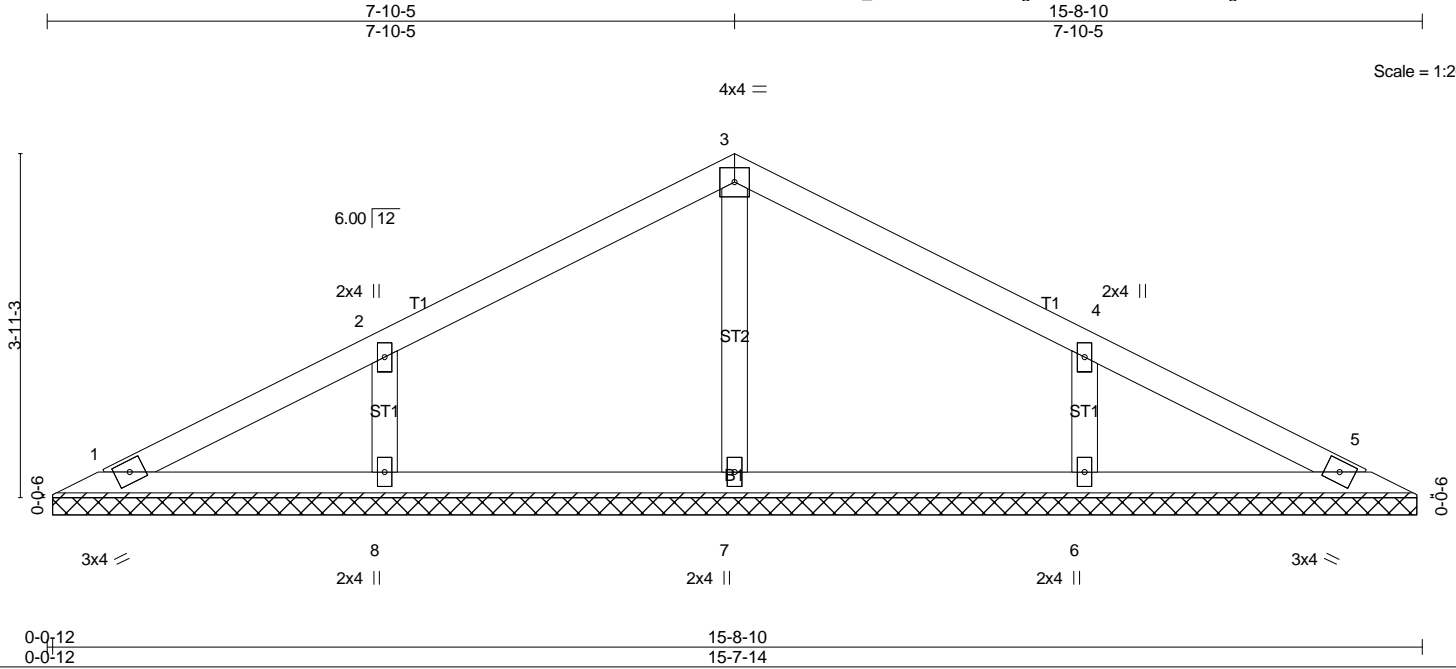
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-320/227, 4-6=-320/226

- 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) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 9-6-5, Exterior(2) 9-6-5 to 13-11-2, Interior(1) 13-11-2 to 18-4-13 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, 5, 9, 6.
 - 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 FOUNTAIN RES	Truss VG2	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

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Scale = 1:26.3

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 0.14	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 56 lb	FT = 20%

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

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

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

REACTIONS. All bearings 15-7-2.
 (lb) - Max Horz 1=-47(LC 8)
 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=273(LC 1), 8=341(LC 23), 6=341(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-258/201, 4-6=-258/201

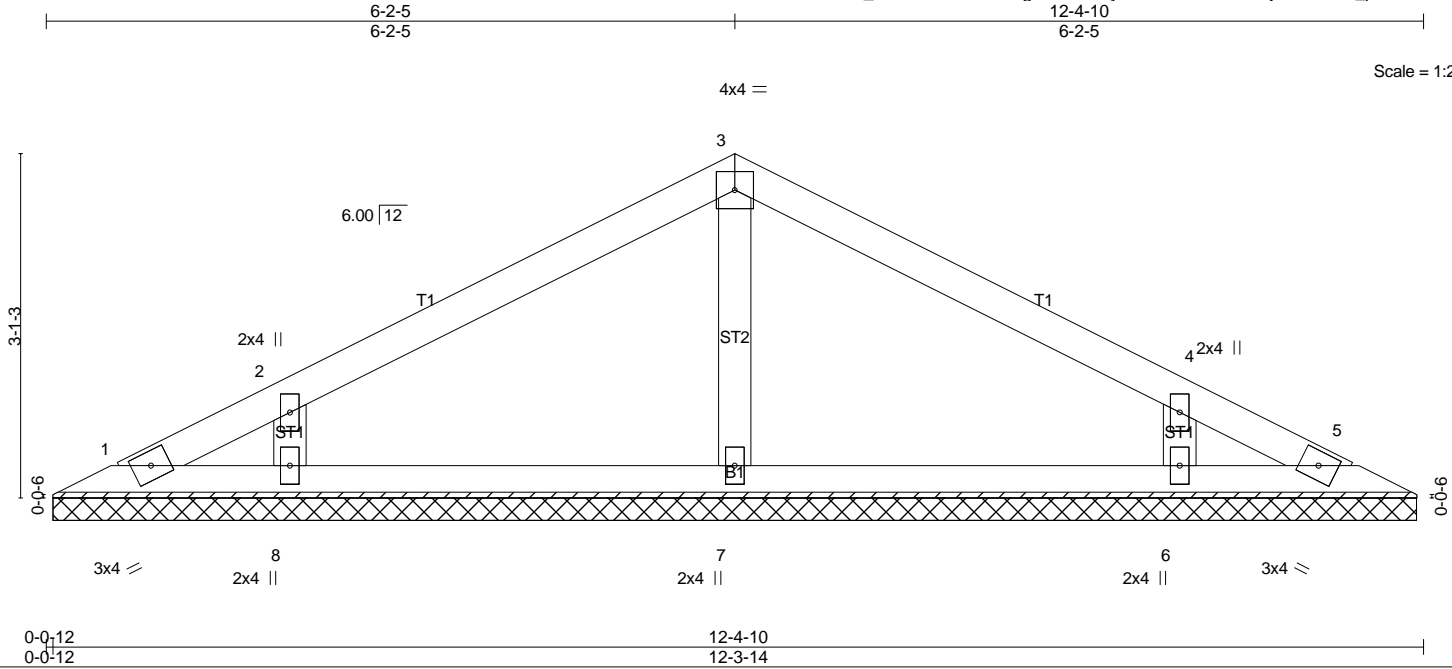
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 7-10-5, Exterior(2) 7-10-5 to 12-3-2, Interior(1) 12-3-2 to 15-0-13 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, 8, 6.
 - 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 FOUNTAIN RES	Truss VG3	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
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Comtech, Inc., Fayetteville, NC 28309, Linwood Norris

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:29 2023 Page 1
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Scale = 1:20.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IRC2015/TPI2014			Weight: 42 lb	FT = 20%

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

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

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

REACTIONS. All bearings 12-3-2.
(lb) - Max Horz 1=36(LC 8)
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=285(LC 1), 8=295(LC 23), 6=295(LC 24)

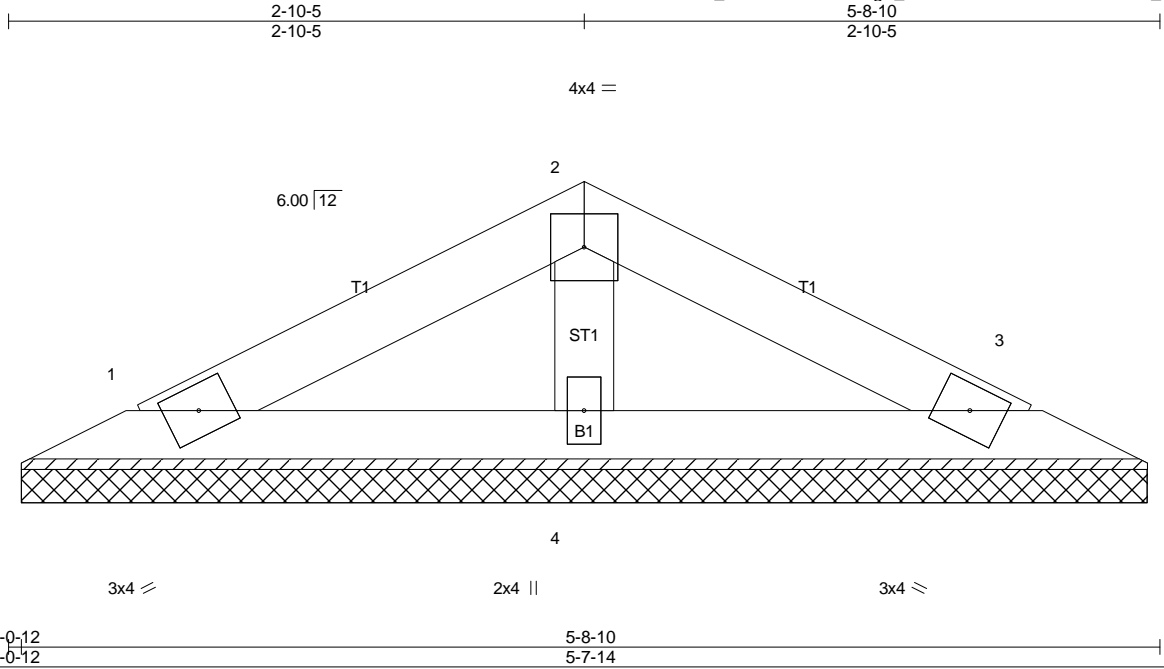
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=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 6-2-5, Exterior(2) 6-2-5 to 10-7-2, Interior(1) 10-7-2 to 11-8-13 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, 8, 6.
 - 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 FOUNTAIN RES	Truss VG5	Truss Type VALLEY	Qty 1	Ply 1	Caston / Fountain Res. / Harnett
Comtech, Inc., Fayetteville, NC 28309, Linwood Norris					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Sun Apr 2 12:33:30 2023 Page 1
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Scale = 1:11.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						
	Code IRC2015/TPI2014						Weight: 17 lb	FT = 20%

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

BRACING-
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 5-8-10 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=90/5-7-2 (min. 0-1-8), 3=90/5-7-2 (min. 0-1-8), 4=173/5-7-2 (min. 0-1-8)
 Max Horz 1=15(LC 9)
 Max Uplift1=-14(LC 12), 3=-17(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; 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
 - 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