

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0222-0555
Lot 5 Wildwood

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I50070561 thru I50070580

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



February 4, 2022

Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070561
J0222-0555	A01	GABLE	1	1	Job Reference (optional)	

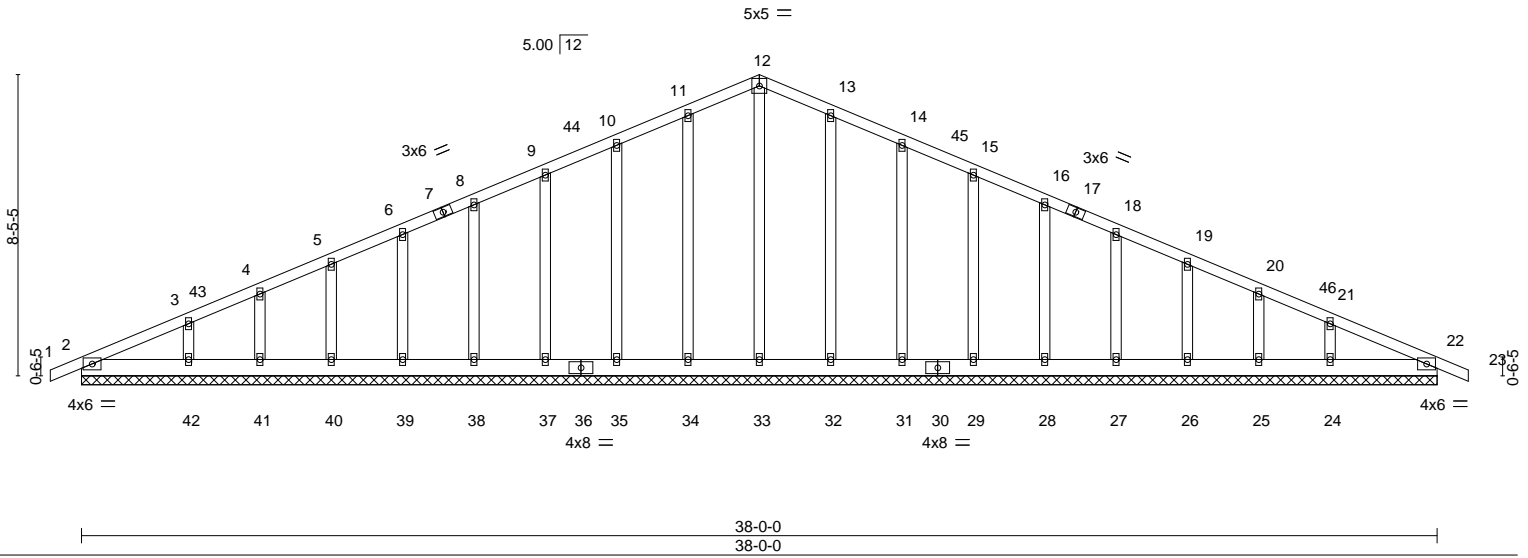
Comtech, Inc., Fayetteville, NC - 28314,

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ID:R1p83C19U58uRV3x1R7mxyBybj-IOf4CrWco?yOkvY8GM_wgOJLn7_bczV3yhPsVRzoYvW

-0-10-8 19-0-0 38-0-0 38-10-8
0-10-8 19-0-0 19-0-0 0-10-8

Scale: 3/16"=1'



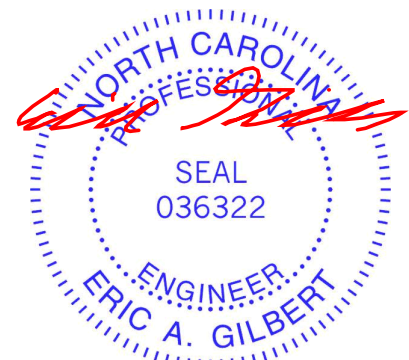
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(LL)	0.00	22	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	0.00	22	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.15	Horz(CT)	0.01	22	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 259 lb	FT = 20%

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

REACTIONS. All bearings 38-0-0.
(lb) - Max Horz 2=168(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 34, 35, 37, 38, 39, 40, 41, 42, 32, 31, 29, 28, 27, 26, 25, 24
Max Grav All reactions 250 lb or less at joint(s) 2, 22, 33, 34, 35, 37, 38, 39, 40, 41, 42, 32, 31, 29, 28, 27, 26, 25, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-89/265, 11-12=-105/308, 12-13=-105/309, 13-14=-89/266

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 19-0-0, Corner(3) 19-0-0 to 23-4-13, Exterior(2) 23-4-13 to 38-10-8 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 40.0psf 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, 22, 34, 35, 37, 38, 39, 40, 41, 42, 32, 31, 29, 28, 27, 26, 25, 24.
 - 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.



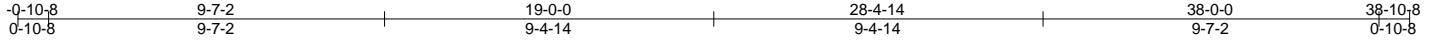
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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070562
J0222-0555	A03	COMMON	16	1		

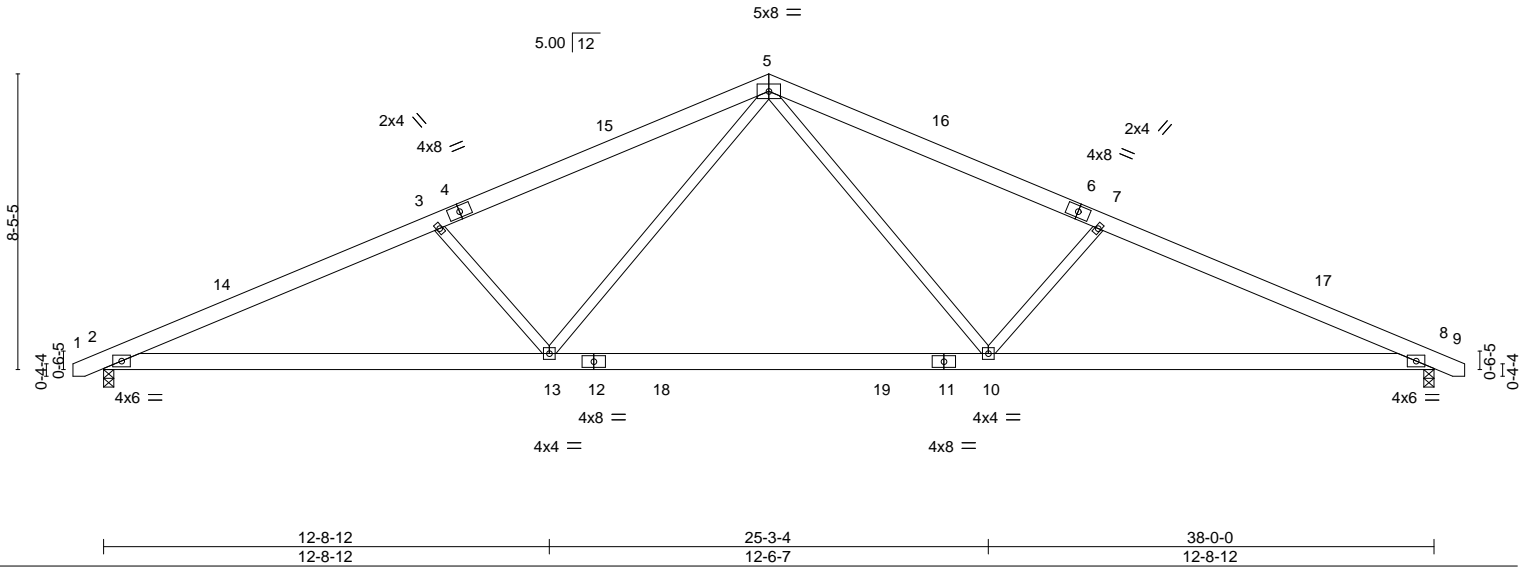
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Scale = 1:65.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES		GRIP	
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190		
TCDL 10.0	Plate Grip DOL 1.15	BC 0.89	Vert(LL) -0.57 10-13 >799 360				
BCLL 0.0 *	Lumber DOL 1.15	WB 0.28	Vert(CT) -0.73 10-13 >620 240				
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.09 8 n/a n/a				
	Code IRC2015/TPI2014		Wind(LL) 0.09 2-13 >999 240				
				Weight: 233 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 9-4-10 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=98(LC 12)
 Max Uplift 2=-107(LC 12), 8=-107(LC 13)
 Max Grav 2=1559(LC 1), 8=1559(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3226/658, 3-5=-2906/612, 5-7=-2906/612, 7-8=-3226/658
 BOT CHORD 2-13=-493/2893, 10-13=-215/1912, 8-10=-501/2893
 WEBS 5-10=-124/1111, 7-10=-614/329, 5-13=-124/1111, 3-13=-614/329

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13, Interior(1) 23-4-13 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=107, 8=107.
 - 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.



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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070563
J0222-0555	A04	COMMON	2	1		

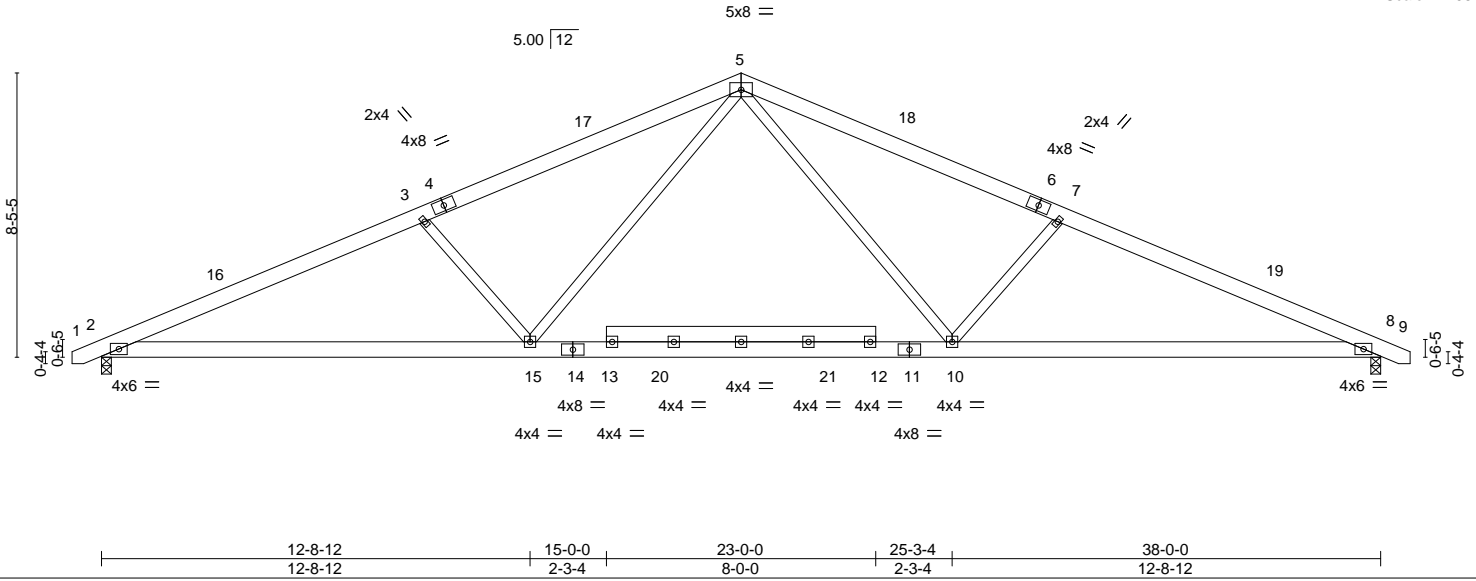
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Scale = 1:68.4



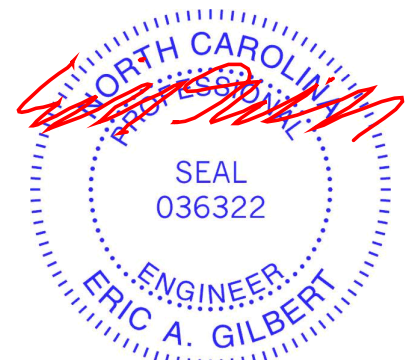
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.41	Vert(LL) -0.18	2-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.65	Vert(CT) -0.39	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.08	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.09	2-15	>999	240		
							Weight: 252 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-9-11 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* 12-13: 2x6 SP No.1	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=98(LC 12)
 Max Uplift 2=-7(LC 12), 8=-7(LC 13)
 Max Grav 2=1659(LC 1), 8=1659(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3326/395, 3-5=-2959/347, 5-7=-2959/347, 7-8=-3326/395
 BOT CHORD 2-15=-252/2994, 10-15=-49/1963, 8-10=-260/2994
 WEBS 5-10=0/1081, 7-10=-608/335, 5-15=0/1081, 3-15=-608/335

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13, Interior(1) 23-4-13 to 38-8-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 19-0-0 from left end, supported at two points, 5-0-0 apart.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070564
J0222-0555	A04-P	COMMON	2	1		

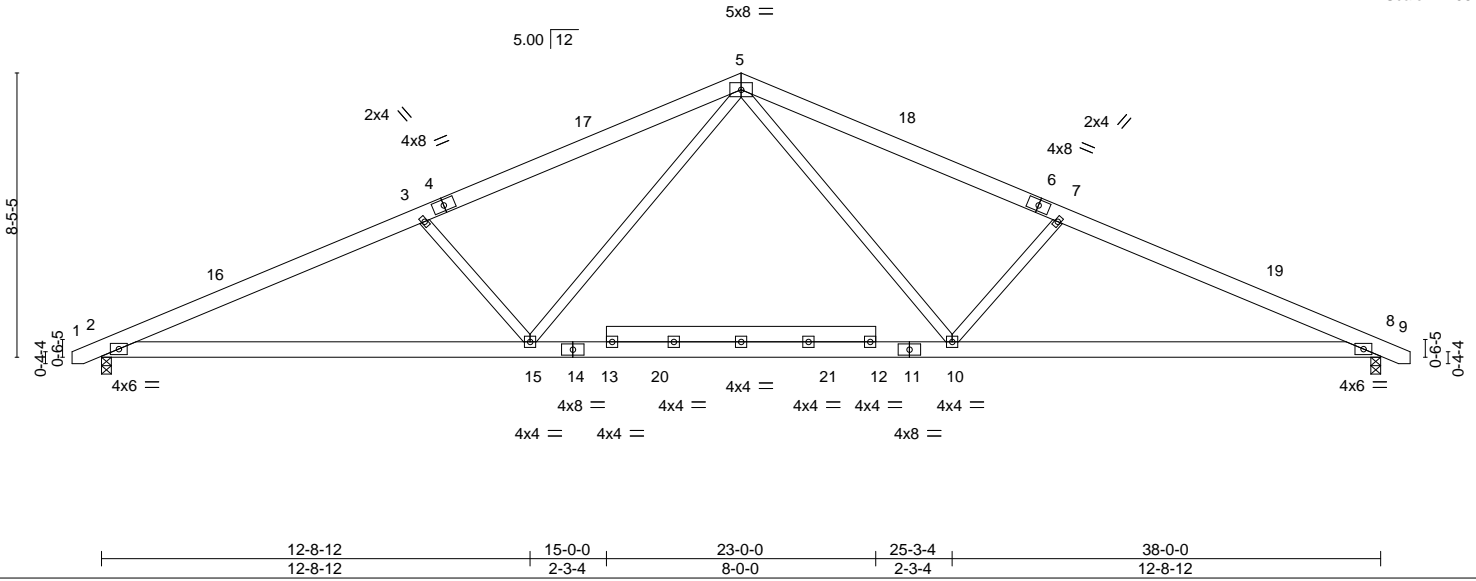
Comtech, Inc. Fayetteville, NC - 28314,

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0-10-8 9-7-2 19-0-0 28-4-14 38-0-0 38-10-8
 0-10-8 9-7-2 9-4-14 9-4-14 9-7-2 0-10-8

Scale = 1:68.4



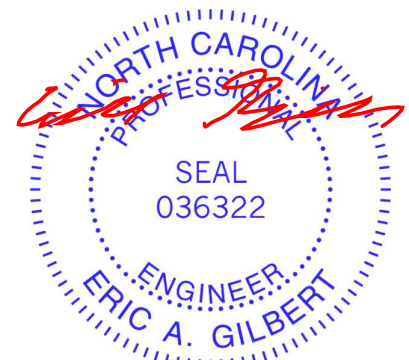
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.41	Vert(LL) -0.18	2-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.65	Vert(CT) -0.39	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.08	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.09	2-15	>999	240		
							Weight: 252 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-9-11 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* 12-13: 2x6 SP No.1	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=98(LC 12)
 Max Uplift 2=-7(LC 12), 8=-7(LC 13)
 Max Grav 2=1659(LC 1), 8=1659(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3326/395, 3-5=-2959/347, 5-7=-2959/347, 7-8=-3326/395
 BOT CHORD 2-15=-252/2994, 10-15=-49/1963, 8-10=-260/2994
 WEBS 5-10=0/1081, 7-10=-608/335, 5-15=0/1081, 3-15=-608/335

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13, Interior(1) 23-4-13 to 38-8-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 19-0-0 from left end, supported at two points, 5-0-0 apart.
 - 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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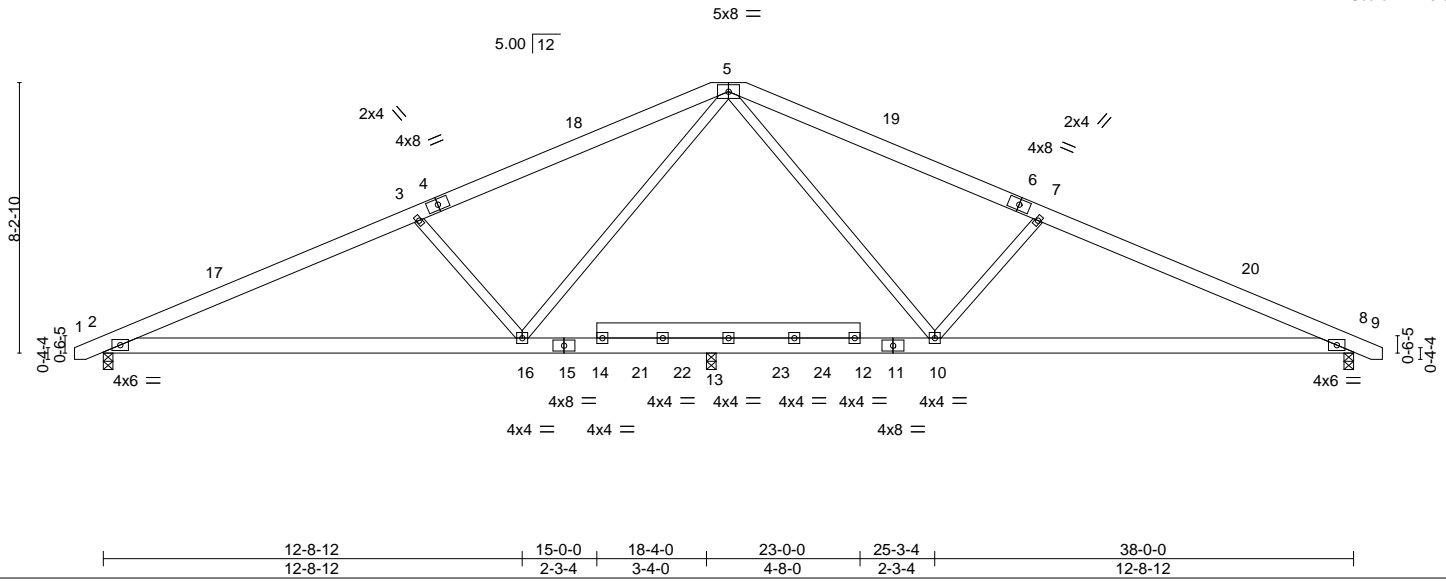
Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070565
J0222-0555	A05-P	COMMON	1	1		

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 -0-10-8 9-7-2 19-0-0 28-4-14 38-0-0 38-10-8
 0-10-8 9-7-2 9-4-14 9-4-14 9-7-2 0-10-8

Scale = 1:70.0



	12-8-12 12-8-12	15-0-0 2-3-4	18-4-0 3-4-0	23-0-0 4-8-0	25-3-4 2-3-4	38-0-0 12-8-12		
LOADING (psf)	SPACING-		CSI.	DEFL.			PLATES	GRIP
TCLL 20.0	2-0-0		TC 0.42	in (loc) l/defl L/d			MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15		BC 0.60	Vert(LL) -0.19 2-16 >999 360				
BCLL 0.0 *	Lumber DOL 1.15		WB 0.28	Vert(CT) -0.45 2-16 >486 240				
BCDL 10.0	Rep Stress Incr YES		Matrix-S	Horz(CT) 0.05 8 n/a n/a				
	Code IRC2015/TPI2014			Wind(LL) 0.10 2-16 >999 240			Weight: 252 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 12-14: 2x6 SP No.1	

REACTIONS. (size) 2=0-3-8, 8=0-3-8, 13=0-3-8
 Max Horz 2=98(LC 12)
 Max Uplift 2=-97(LC 12), 8=-98(LC 13)
 Max Grav 2=1296(LC 1), 8=1316(LC 1), 13=955(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2357/533, 3-5=-1983/486, 5-7=-2038/479, 7-8=-2411/526
 BOT CHORD 2-16=-379/2108, 13-16=-139/1391, 10-13=-138/1385, 8-10=-379/2158
 WEBS 5-10=-55/739, 7-10=-628/332, 5-16=-67/670, 3-16=-629/331

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 19-0-0, Exterior(2) 19-0-0 to 23-4-13, Interior(1) 23-4-13 to 38-8-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 19-0-0 from left end, supported at two points, 3-0-0 apart.
 - 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



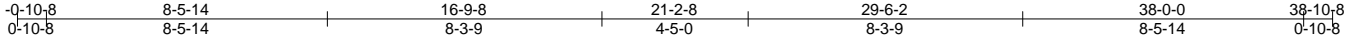
February 4, 2022

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070566
J0222-0555	A06-P	HIP	1	1		

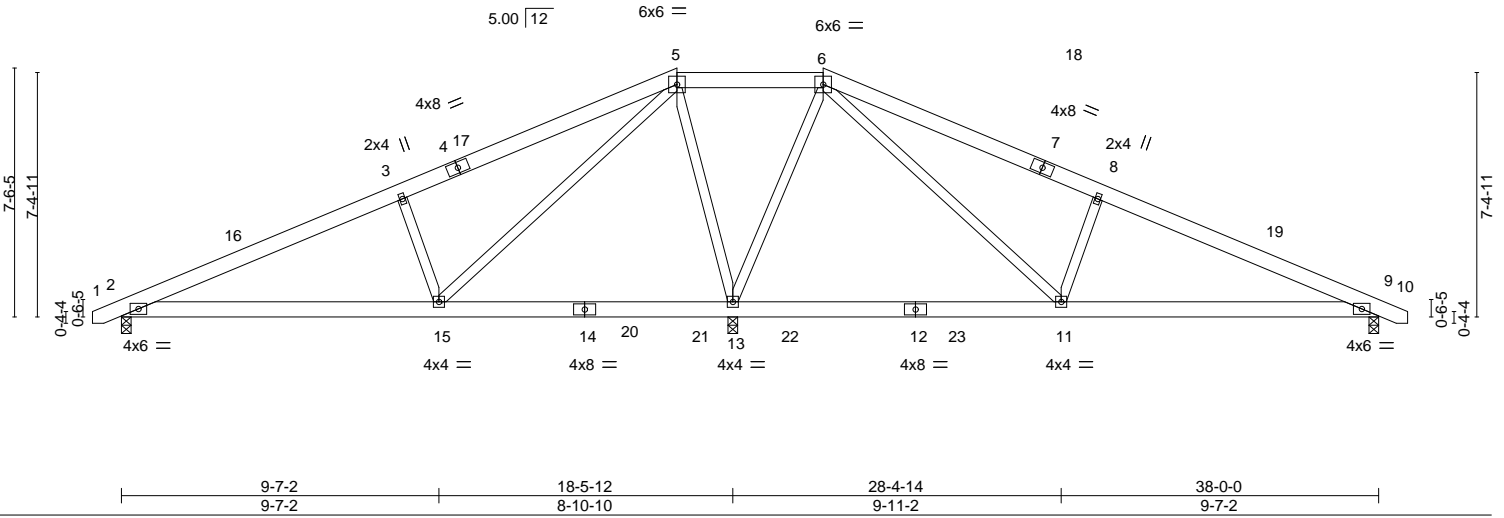
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Scale = 1:69.6



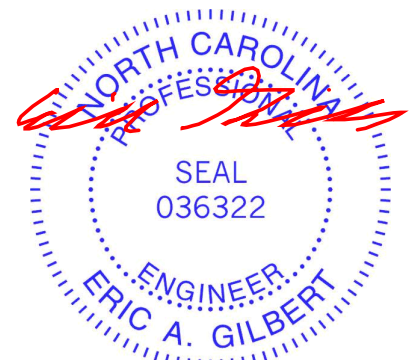
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.42	Vert(LL) -0.11 11-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.93	Vert(CT) -0.15 11-13 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.00 13 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.03 9-11 >999 240		
				Weight: 248 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x6 SP No.1	2-0-0 oc purlins (10-0-0 max.): 5-6.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=0-3-8
 Max Horz 2=87(LC 16)
 Max Uplift 2=69(LC 12), 13=51(LC 12), 9=87(LC 13)
 Max Grav 2=572(LC 23), 13=2276(LC 2), 9=623(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-679/171, 3-5=-545/233, 5-6=0/723, 6-8=-676/263, 8-9=-811/201
 BOT CHORD 2-15=-116/568, 13-15=-491/239, 11-13=-366/204, 9-11=-103/689
 WEBS 3-15=-531/313, 5-15=-262/1014, 5-13=-985/348, 6-13=-981/340, 6-11=-248/1031,
 8-11=-527/313

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 16-9-8, Exterior(2) 16-9-8 to 27-5-3, Interior(1) 27-5-3 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



February 4, 2022

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070568
J0222-0555	A08	ROOF SPECIAL	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:47:50 2022 Page 1

ID:R1p83C19U58uRV3x1R7mxyBybj_-7IT5vdGgm56JKsll1XIBqYlvqDxaO0b5qJQzoYvN

0-10-8	7-11-7	15-8-10	18-7-12	25-2-8	31-6-2	38-0-0	38-10-8
0-10-8	7-11-7	7-9-2	2-11-2	6-6-13	6-3-9	6-5-14	0-10-8

Scale = 1:69.6

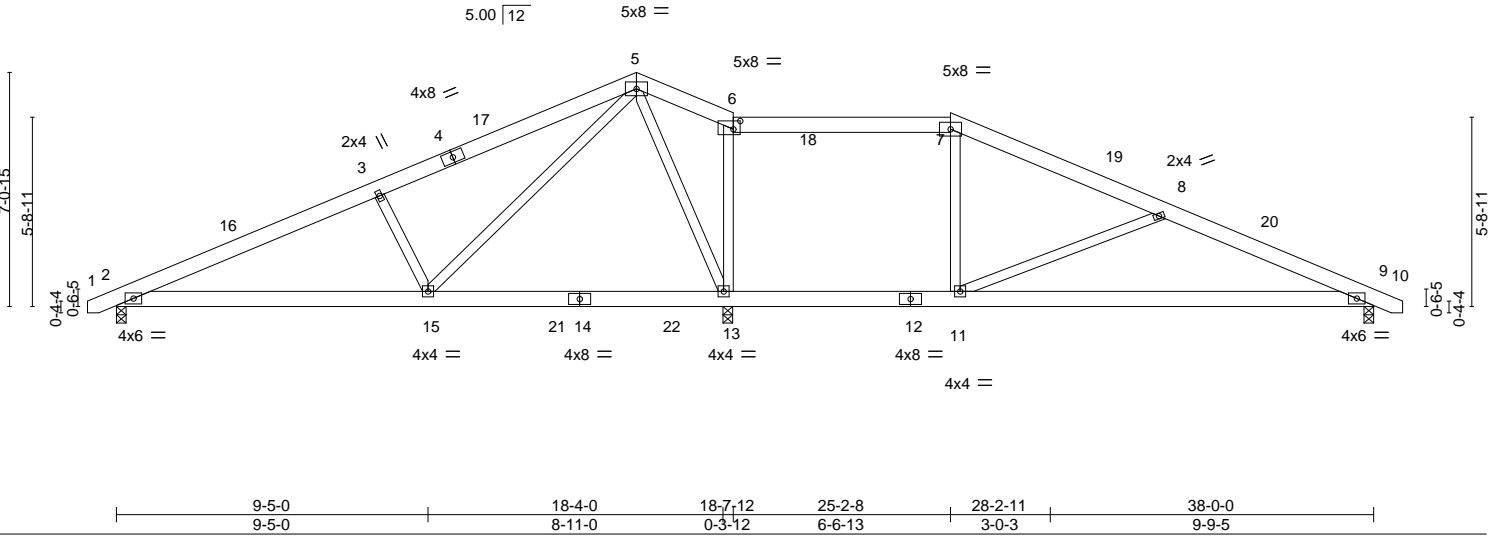


Plate Offsets (X,Y)-- [6:0-2-8,0-3-0]

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 0.66	Vert(LL) -0.22 9-11 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.54	Vert(CT) -0.51 9-11 >458 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.06 9 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.13 9-11 >999 240	Weight: 242 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 4-10-1 oc purlins, except 2-0-0 oc purlins (5-8-12 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 13=0-3-8, 9=0-3-8
 Max Horz 2=-82(LC 17)
 Max Uplift 2=-43(LC 12), 13=-89(LC 12), 9=-128(LC 13)
 Max Grav 2=1207(LC 1), 13=949(LC 2), 9=1233(LC 24)

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

TOP CHORD 2-3=-2314/515, 3-5=-2162/541, 5-6=-1936/528, 6-7=-1750/452, 7-8=-1983/434, 8-9=-2419/617
 BOT CHORD 2-15=-351/2080, 13-15=-141/1373, 11-13=-222/1750, 9-11=-500/2193
 WEBS 3-15=-477/271, 5-15=-158/855, 5-13=-185/1093, 6-13=-1114/372, 8-11=-566/301, 7-11=0/484

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) 0-8-7 to 3-8-6, Interior(1) 3-8-6 to 15-8-10, Exterior(2) 15-8-10 to 18-7-12, Interior(1) 18-7-12 to 25-2-8, Exterior(2) 25-2-8 to 29-7-5, Interior(1) 29-7-5 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13 except (jt=lb) 9=128.
- 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.



February 4, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070569
J0222-0555	A09	ROOF SPECIAL	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R1p83C19U58uRV3x1R7mxyBybj-SKGrJFeuR4DzSJS9G4Vvk?H9KAYRyXFErOsszoYvM

0-10-8	7-11-7	15-8-10	20-7-12	27-2-8	32-6-2	38-0-0	38-10-8
0-10-8	7-11-7	7-9-2	4-11-2	6-6-13	5-3-9	5-5-14	0-10-8

Scale = 1:69.6

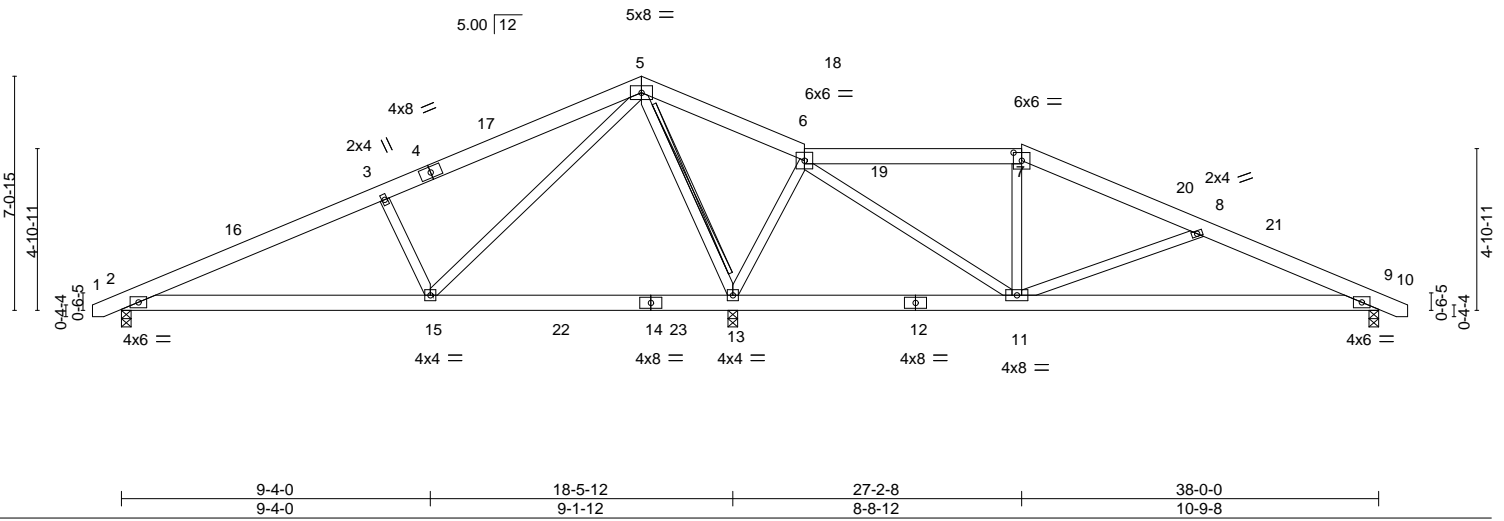


Plate Offsets (X,Y)-- [7:0-3-0,0-2-15]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) -0.11	13-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.34	Vert(CT) -0.18	9-11	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.01	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03	2-15	>999	240		
							Weight: 249 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 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.); 6-7.
 Rigid ceiling directly applied or 6-0-0 oc bracing.
 BOT CHORD T-Brace: 2x4 SPF No.2 - 5-13
 WEBS Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.
 Brace must cover 90% of web length.

REACTIONS.

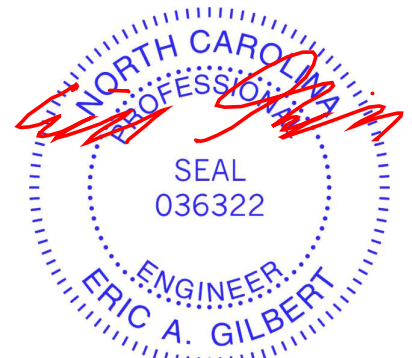
(size) 2=0-3-8, 13=0-3-8, 9=0-3-8
 Max Horz 2=82(LC 12)
 Max Uplift 2=-70(LC 12), 13=-89(LC 13), 9=-85(LC 13)
 Max Grav 2=645(LC 23), 13=1871(LC 1), 9=686(LC 24)

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

TOP CHORD 2-3=-899/184, 3-5=-725/216, 5-6=-57/729, 6-7=-541/193, 7-8=-654/165, 8-9=-1087/328
 BOT CHORD 2-15=-121/774, 11-13=-316/160, 9-11=-242/964
 WEBS 3-15=-493/275, 5-15=-185/926, 5-13=-1164/288, 6-13=-728/302, 6-11=-188/940, 8-11=-455/261

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 15-8-10, Exterior(2) 15-8-10 to 20-1-6, Interior(1) 20-1-6 to 27-2-8, Exterior(2) 27-2-8 to 31-7-5, Interior(1) 31-7-5 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



February 4, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job J0222-0555	Truss A10	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Lot 5 Wildwood Job Reference (optional)	150070570
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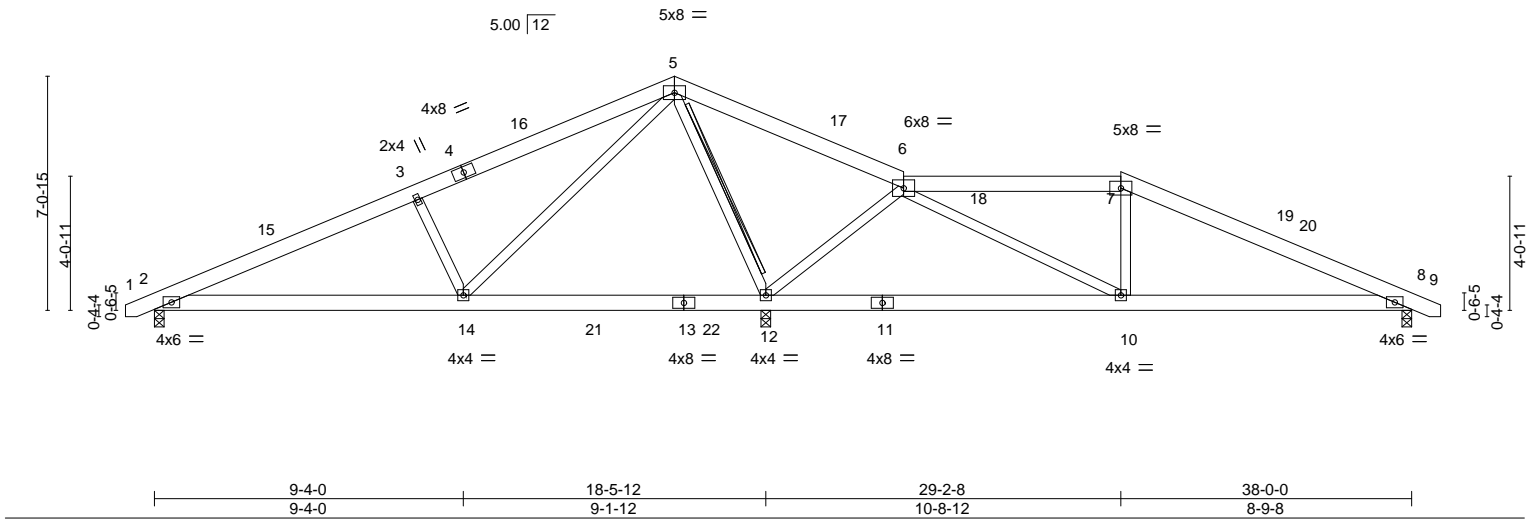
Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:47:52 2022 Page 1

ID:R1p83C19U58uRV3x1R7mxyBybj-wWqEWbfWCNLqYcuFQAhVcjH9XYhzhSrhUuaxOlzoYvL

-0-10-8	7-11-7	15-8-10	22-7-12	29-2-8	38-0-0	38-10-8
0-10-8	7-11-7	7-9-2	6-11-2	6-6-13	8-9-8	0-10-8

Scale = 1:69.6



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	Vert(LL)	-0.11	12-14	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.30	Vert(CT)	-0.13	12-14	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.46	Horz(CT)	0.01	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.03	8-10	>999		
	Code IRC2015/TPI2014						Weight: 241 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS T-Brace: 2x4 SPF No.2 - 5-12
	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 8=0-3-8
 Max Horz 2=82(LC 16)
 Max Uplift 2=-75(LC 12), 12=-81(LC 13), 8=-89(LC 13)
 Max Grav 2=649(LC 23), 12=1864(LC 1), 8=686(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-904/203, 3-5=-730/235, 5-6=-83/754, 6-7=-798/271, 7-8=-959/212
 BOT CHORD 2-14=-133/778, 8-10=-94/792
 WEBS 3-14=-492/272, 5-14=-191/914, 5-12=-1220/325, 6-12=-843/356, 6-10=-145/836

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 15-8-10, Exterior(2) 15-8-10 to 20-1-6, Interior(1) 20-1-6 to 29-2-8, Exterior(2) 29-2-8 to 33-7-5, Interior(1) 33-7-5 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



February 4, 2022

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070571
J0222-0555	A11	ROOF SPECIAL	1	1		

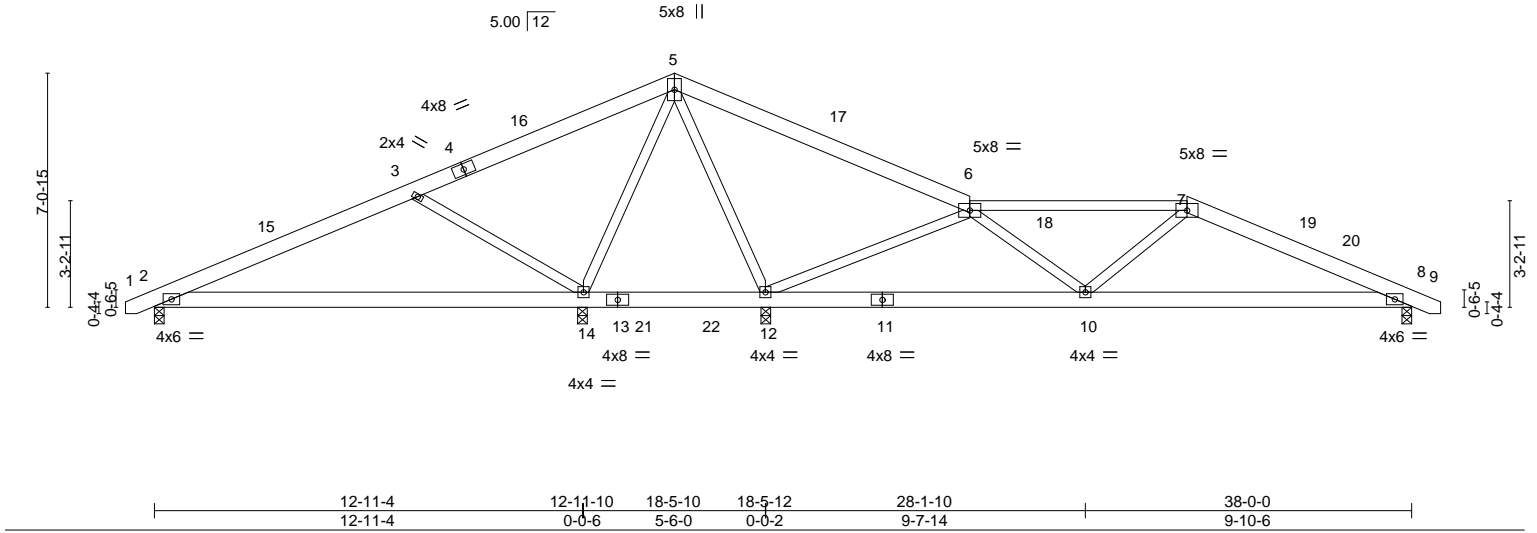
Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:47:53 2022 Page 1

ID:R1p83C19U58uRV3x1R7mxyBybj-PiNckxg8zhThAITRztCk9wpJty_UQBmqiYKUwizoYvK

0-10-8	7-11-7	15-8-10	24-7-12	31-2-8	38-0-0	38-10-8
0-10-8	7-11-7	7-9-2	8-11-2	6-6-13	6-9-8	0-10-8

Scale = 1:69.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.45	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.41	Vert(LL) -0.16 2-14 >939 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.34 2-14 >458 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(CT) 0.03 8-10 >999 240	Weight: 234 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 6-7: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. All bearings 0-3-8.
 (lb) - Max Horz 2=82(LC 17)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 8 except 12=144(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) except 2=412(LC 23), 14=828(LC 23), 12=1333(LC 1), 8=650(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-262/278, 3-5=-97/638, 5-6=-152/888, 6-7=-713/152, 7-8=-911/246
 BOT CHORD 12-14=-406/245, 10-12=-17/357, 8-10=-140/784
 WEBS 3-14=-639/322, 5-14=-275/125, 5-12=-821/234, 6-12=-1141/388, 6-10=0/575

- 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) -0-8-7 to 3-8-6, Interior(1) 3-8-6 to 15-8-10, Exterior(2) 15-8-10 to 20-1-6, Interior(1) 20-1-6 to 31-2-8, Exterior(2) 31-2-8 to 35-7-5, Interior(1) 35-7-5 to 38-8-7 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 8 except (jt=lb) 12=144.
 - 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.



February 4, 2022

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070572
J0222-0555	A12	GABLE	1	1	Job Reference (optional)	

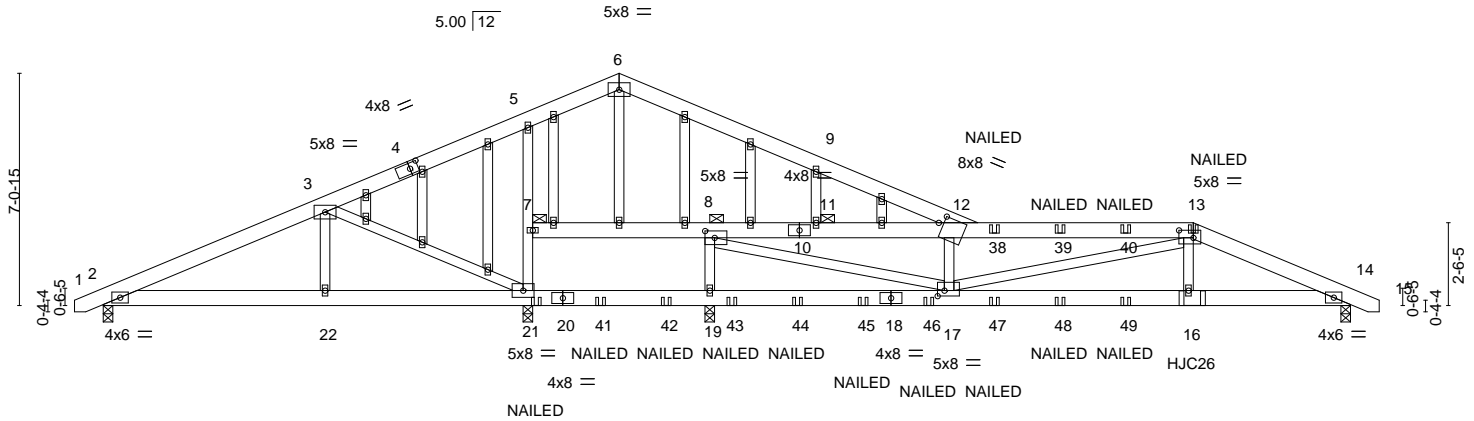
Comtech, Inc. Fayetteville, NC - 28314,

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ID:R1p83C19U58uRV3x1R7mxyBybj-pH3kMzi1GcrF1DC0f0IRnZRnNA?MddSHPWY8X4zoYvH

0-10-8 6-11-12 12-11-4 15-8-10 18-5-12 26-7-12 33-2-8 38-0-0 38-10-8
 0-10-8 6-11-12 5-11-8 2-9-6 2-9-2 8-2-0 6-6-13 4-9-8 0-10-8

Scale = 1:70.2



12-11-4 18-5-12 26-7-12 33-2-8 38-0-0
 12-11-4 5-6-8 8-2-0 6-6-13 4-9-8

Plate Offsets (X,Y)-- [4:0-2-15,0-2-0], [8:0-3-8,0-2-8], [12:0-1-14,0-3-4], [13:0-5-4,0-2-12], [17:0-2-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	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 0.46	Vert(LL) -0.10 16-17 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.65	Vert(CT) -0.21 16-17 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.03 14 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.11 16-17 >999 240	Weight: 303 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 3-21: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-10-12 oc purlins, except
BOT CHORD 2x6 SP No.1	2-0-0 oc purlins (4-3-8 max.): 7-13, 3-21.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.2	JOINTS 1 Brace at Jt(s): 7, 8, 11

REACTIONS. All bearings 0-3-8.
 (lb) - Max Horz 2=138(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) except 14=296(LC 9), 21=236(LC 8), 19=231(LC 9), 2=162(LC 27)
 Max Grav All reactions 250 lb or less at joint(s) except 14=1213(LC 1), 21=829(LC 19), 19=1327(LC 1), 2=534(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=713/215, 8-11=2499/615, 11-12=2499/615, 12-13=2606/621, 13-14=2549/554, 3-21=657/288
 BOT CHORD 2-22=251/591, 21-22=249/596, 16-17=437/2316, 14-16=441/2285
 WEBS 7-21=440/216, 5-7=507/227, 13-16=0/538, 8-19=1031/335, 3-22=0/285, 12-17=621/370, 8-17=643/2630, 13-17=198/380, 9-11=411/229

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; 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.
 - Provide adequate drainage to prevent water ponding.
 - 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 40.0psf 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.
 - Solid blocking is required on both sides of the truss at joint(s), 21.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 14, 236 lb uplift at joint 21, 231 lb uplift at joint 19 and 162 lb uplift at joint 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.
 - Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 33-2-2 from the left end to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.



February 4, 2022

Continued on page 2. **WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070572
J0222-0555	A12	GABLE	1	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:47:56 2022 Page 2
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NOTES-

- 15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 16) 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, 3-6=-60, 6-12=-60, 12-13=-60, 13-15=-60, 2-14=-20
- Concentrated Loads (lb)
 - Vert: 13=-67(F) 21=-25(F) 16=-244(F) 38=-67(F) 39=-67(F) 40=-67(F) 41=-25(F) 42=-25(F) 43=-25(F) 44=-25(F) 45=-25(F) 46=-25(F) 47=-25(F) 48=-25(F) 49=-25(F)

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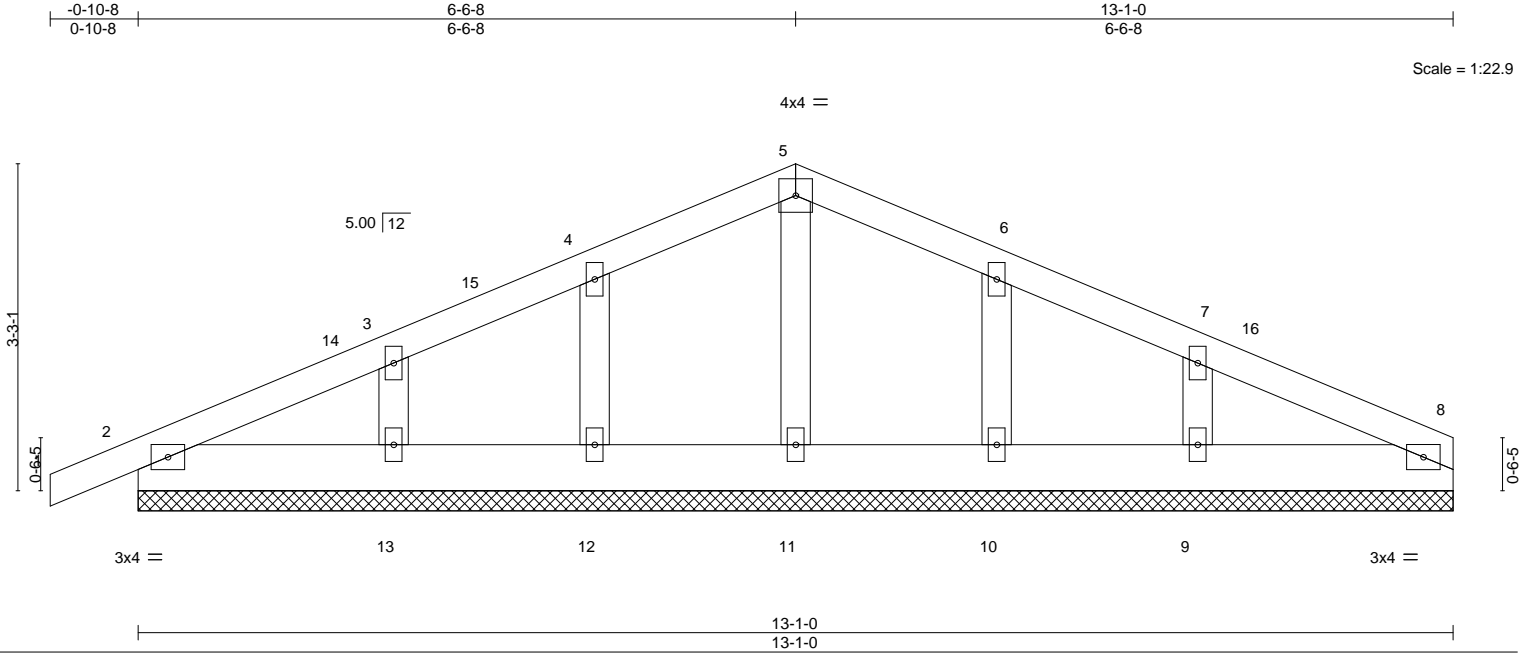


818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070573
J0222-0555	B1	COMMON SUPPORTED GAB	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) 0.00 1 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 65 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.

REACTIONS.

All bearings 13-1-0.
(lb) - Max Horz 2=40(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 13, 10, 9
Max Grav All reactions 250 lb or less at joint(s) 8, 2, 11, 12, 13, 10, 9

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 Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 6-6-8, Corner(3) 6-6-8 to 10-11-5, Exterior(2) 10-11-5 to 13-1-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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 40.0psf 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, 12, 13, 10, 9.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



February 4, 2022

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070574
J0222-0555	B2	COMMON	2	1		

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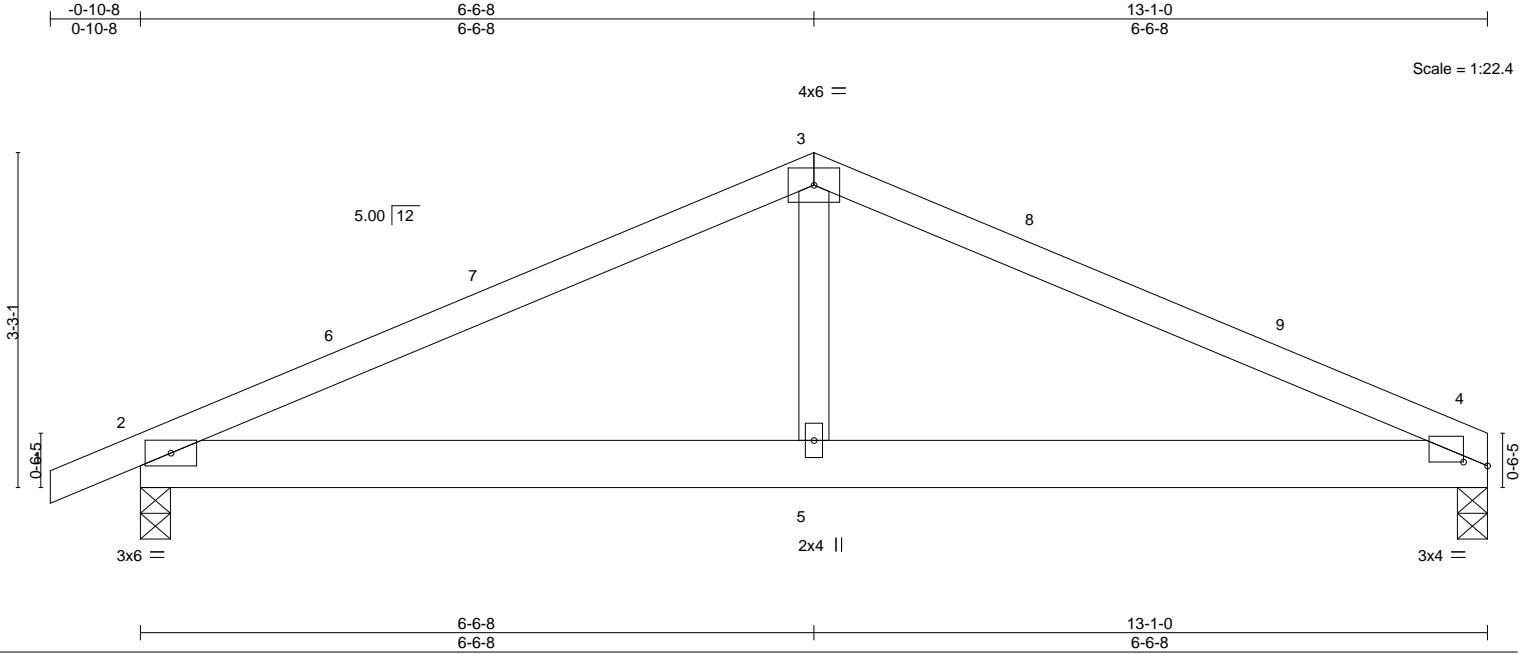


Plate Offsets (X,Y)-- [4:0-2-13,0-0-7]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	Vert(LL) -0.02	2-5	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(CT) -0.04	2-5	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Horz(CT) 0.01	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL) 0.02	2-5	>999	240		
	Code IRC2015/TPI2014						Weight: 57 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=0-3-8, 2=0-3-8
Max Horz 2=40(LC 16)
Max Uplift 4=-32(LC 13), 2=-47(LC 12)
Max Grav 4=509(LC 1), 2=575(LC 1)

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

TOP CHORD 2-3=-799/254, 3-4=-795/264
BOT CHORD 2-5=-149/655, 4-5=-149/655
WEBS 3-5=0/323

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) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 6-6-8, Exterior(2) 6-6-8 to 10-11-5, Interior(1) 10-11-5 to 12-11-4 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 40.0psf 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) 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.



February 4, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



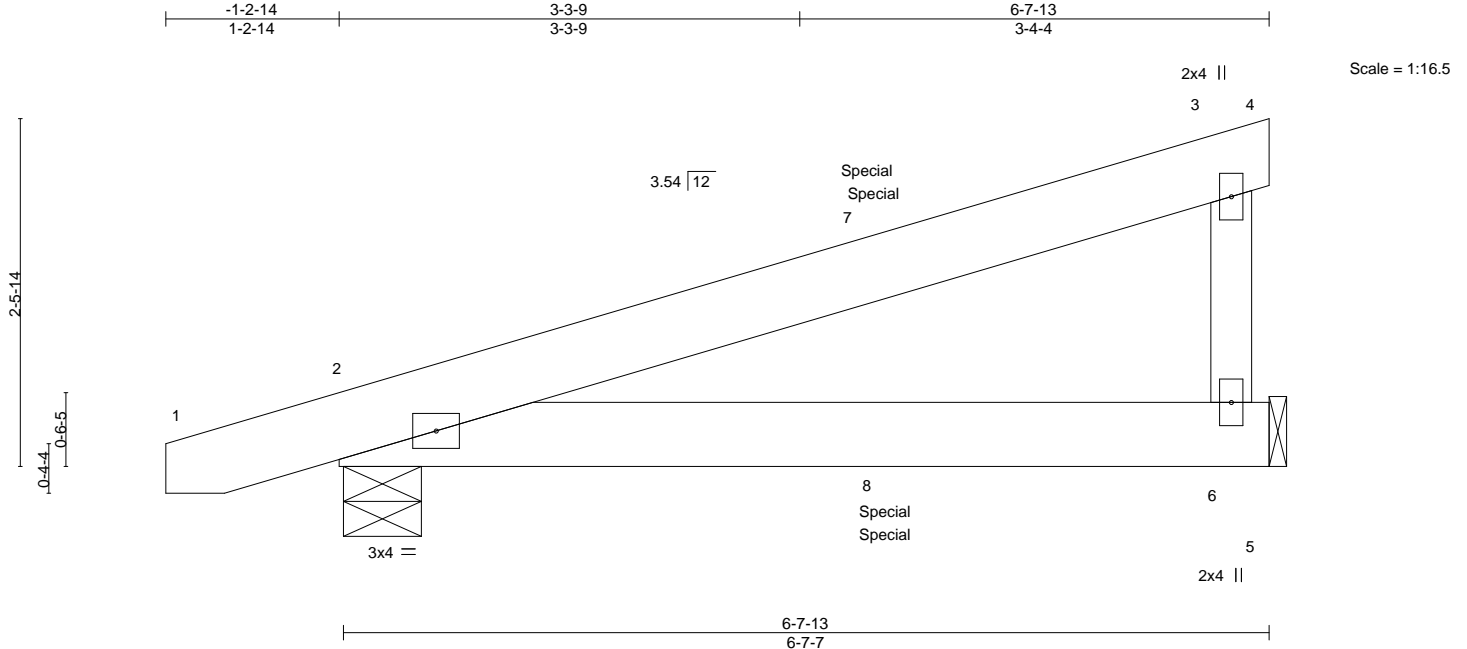
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070575
J0222-0555	CJ07	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)	

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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.24	Vert(LL) -0.02	2-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.16	Vert(CT) -0.04	2-6	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) 0.00		n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL) 0.00	2	****	240	Weight: 37 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 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 6=Mechanical, 2=0-6-11
 Max Horz 2=77(LC 4)
 Max Uplift 6=-36(LC 8), 2=-69(LC 4)
 Max Grav 6=247(LC 1), 2=331(LC 1)

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 40.0psf 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) 6, 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 33 lb up at 3-10-15, and 22 lb down and 33 lb up at 3-10-15 on top chord, and 7 lb down at 3-10-15, and 7 lb down at 3-10-15 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, 2-5=-20



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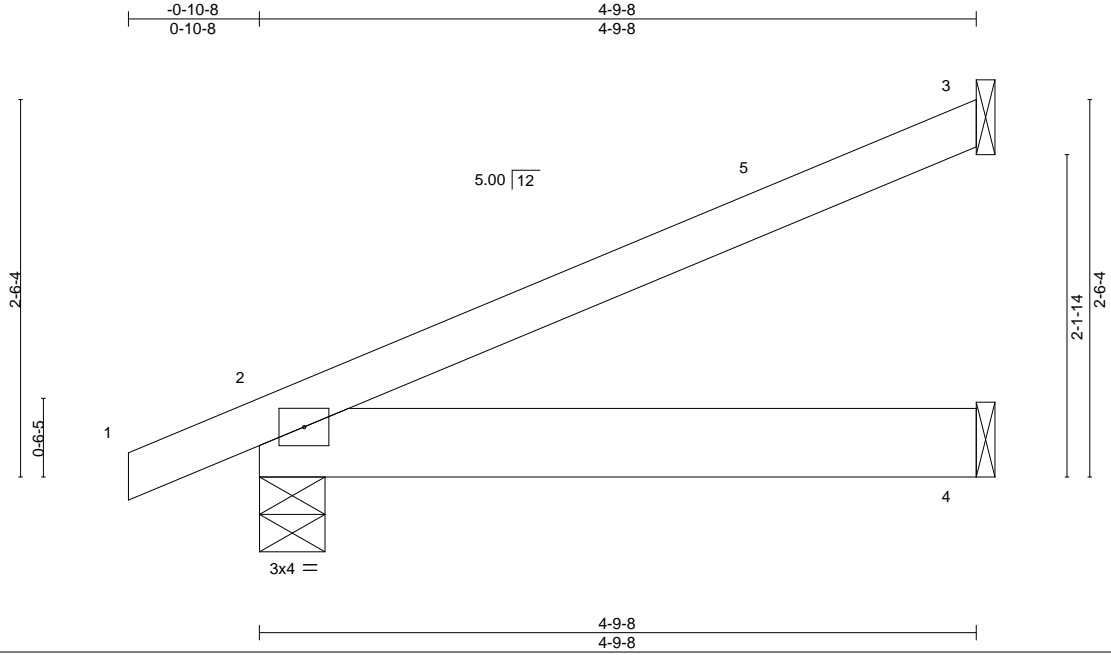
818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070576
J0222-0555	J1	JACK-OPEN	11	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

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ID:R1p83C19U58uRV3x1R7mxyBybj-h2JFCKIXKrMhWqVnurqNxPcX5nSKZbWsJ8WWMgrzoYvD



Scale = 1:15.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	Vert(LL)	-0.01	2-4	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	-0.01	2-4	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL)	0.00	2	****	Weight: 21 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-5-4, 4=Mechanical
Max Horz 2=75(LC 12)
Max Uplift 3=-61(LC 12), 2=-22(LC 8)
Max Grav 3=127(LC 1), 2=254(LC 1), 4=90(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; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 4-8-12 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 40.0psf 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.



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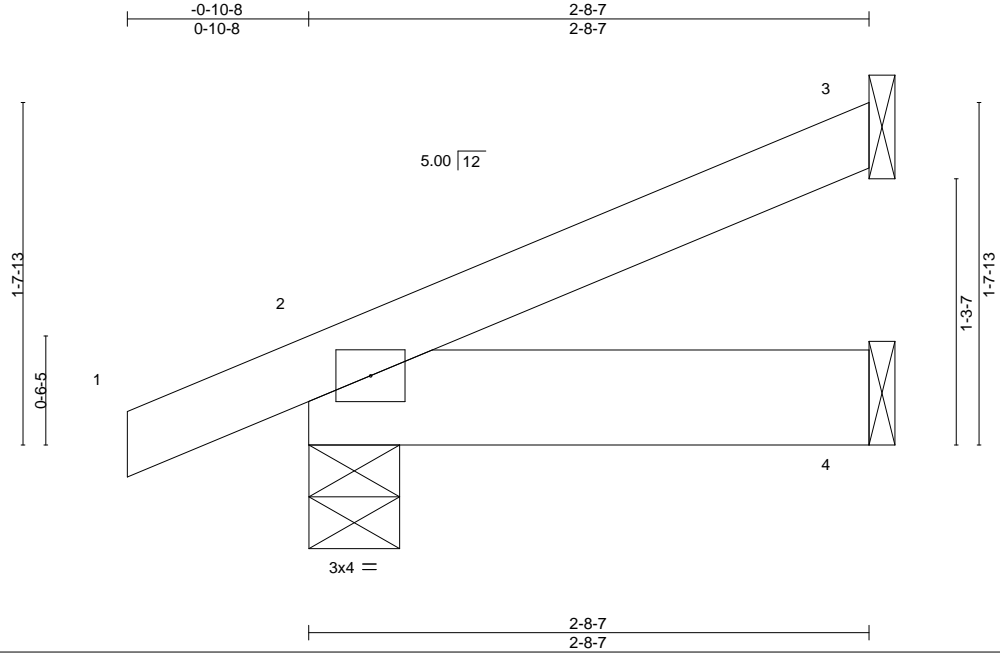


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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070577
J0222-0555	J2	JACK-OPEN	2	1	Job Reference (optional)	

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8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:48:00 2022 Page 1
 ID:R1p83C19U58uRV3x1R7mxyBybj-h2JFCKIXKRMhWqVnrqNxPcaznTDZbWzJ8WmGrzoYvD



Scale = 1:11.1

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	Vert(LL) -0.00	2	>999	360		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT) -0.00	2	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	3	n/a	n/a			
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Wind(LL) 0.00	2	****	240			
	Code IRC2015/TPI2014							Weight: 12 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

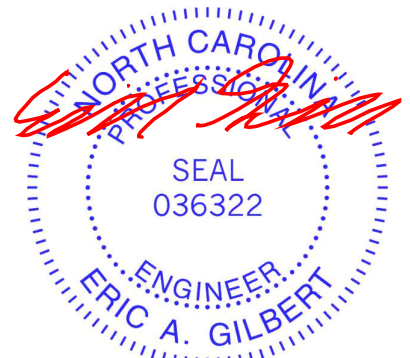
REACTIONS.

(size) 3=Mechanical, 2=0-5-4, 4=Mechanical
 Max Horz 2=46(LC 12)
 Max Uplift 3=-32(LC 12), 2=-29(LC 8)
 Max Grav 3=58(LC 1), 2=177(LC 1), 4=48(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; 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
- 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 40.0psf 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.



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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070578
J0222-0555	P1	GABLE	1	1		

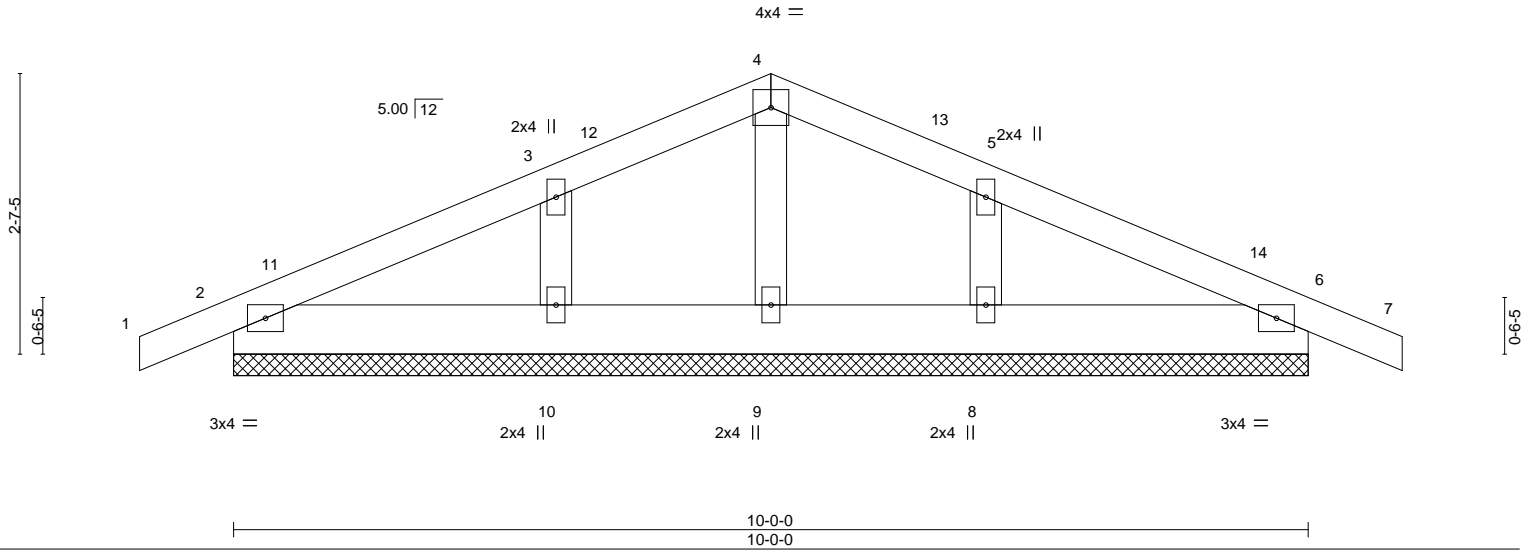
Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:21.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) 0.00 6 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) 0.00 6 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 6 n/a n/a		
	Code IRC2015/TPI2014			Weight: 49 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.

REACTIONS.

All bearings 10-0-0.
 (lb) - Max Horz 2=-50(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
 Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-10=-168/271, 5-8=-168/271

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 5-0-0, Corner(3) 5-0-0 to 9-4-13, Exterior(2) 9-4-13 to 10-10-8 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 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 40.0psf 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, 6, 10, 8.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



February 4, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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 Edenton, NC 27932

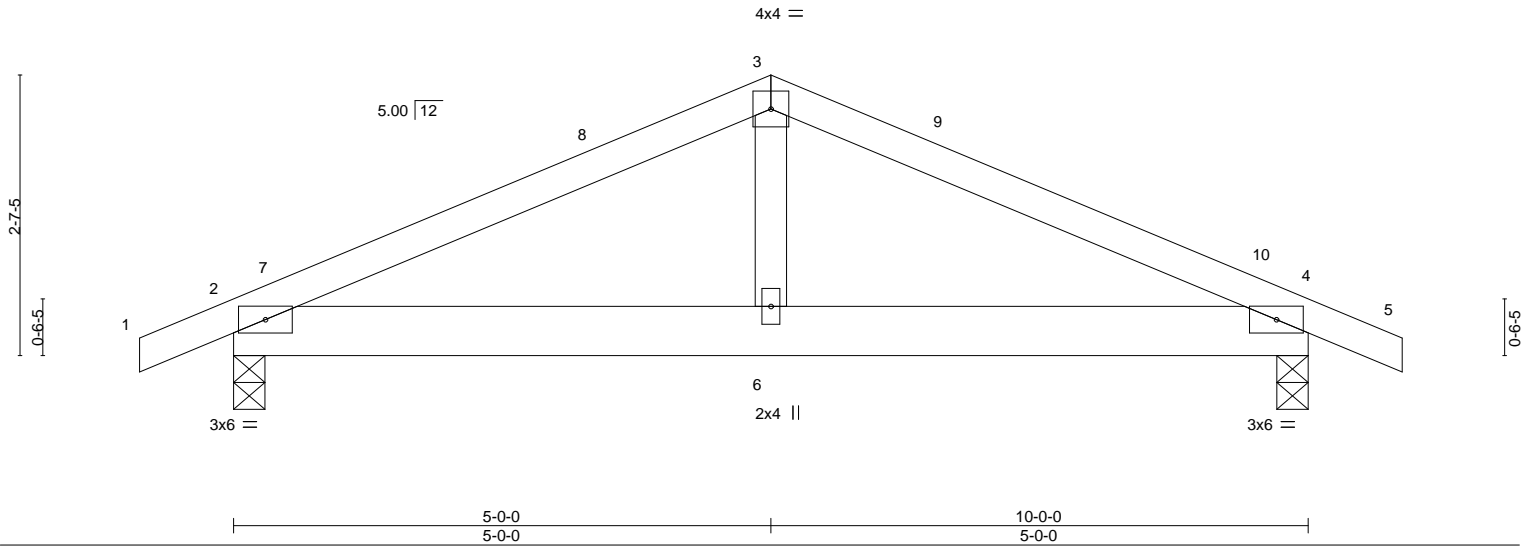
Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070579
J0222-0555	P2	COMMON	3	1		

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:48:02 2022 Page 1
 ID:R1p83C19U58uRV3x1R7mxyBybj-eRQ0c0nnsScPI8fA?Gsr0qhuNa861VB9nS?TljoYvB



Scale = 1:21.4



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.12	Vert(CT)	-0.02	4-6	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.02	4-6	>999	240		
	Code IRC2015/TPI2014							Weight: 45 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=0-3-8, 4=0-3-8
 Max Horz 2=-29(LC 17)
 Max Uplift 2=-137(LC 8), 4=-137(LC 9)
 Max Grav 2=450(LC 1), 4=450(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-578/649, 3-4=-578/649
 BOT CHORD 2-6=-494/467, 4-6=-494/467
 WEBS 3-6=-326/239

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) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 5-0-0, Exterior(2) 5-0-0 to 9-4-13, Interior(1) 9-4-13 to 10-10-8 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=137, 4=137.
- 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.



February 4, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

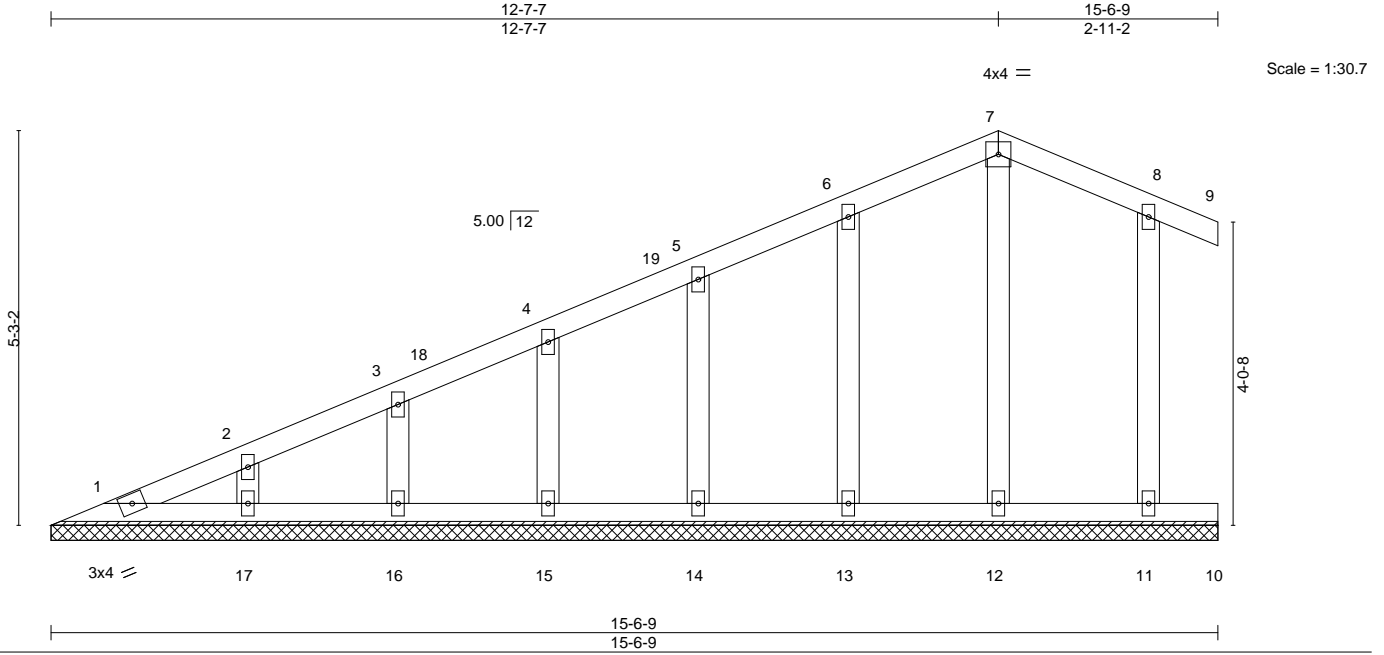


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Job	Truss	Truss Type	Qty	Ply	Lot 5 Wildwood	150070580
J0222-0555	V1	GABLE	1	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Feb 4 09:48:04 2022 Page 1
 ID:R1p83C19U58uRV3x1R7mxyBybj-aqYm1io2N3s7_SpZ7huJ5FmHVOr5VPISEmUapczoYv9



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)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	-0.00	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 76 lb	FT = 20%

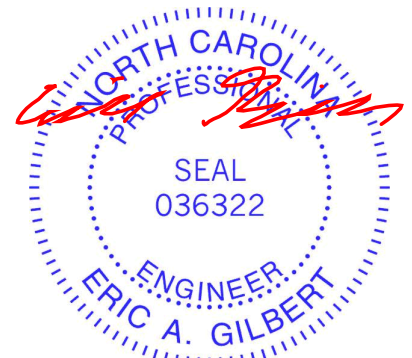
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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.

REACTIONS. All bearings 15-6-9.
 (lb) - Max Horz 1=200(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 9, 12, 13, 14, 15, 16, 17, 11
 Max Grav All reactions 250 lb or less at joint(s) 1, 9, 10, 12, 13, 14, 15, 16, 17, 11

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-8-12 to 5-1-9, Interior(1) 5-1-9 to 12-7-7, Exterior(2) 12-7-7 to 15-6-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 40.0psf 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) 9, 12, 13, 14, 15, 16, 17, 11.
 - 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.



February 4, 2022

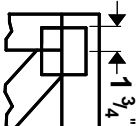
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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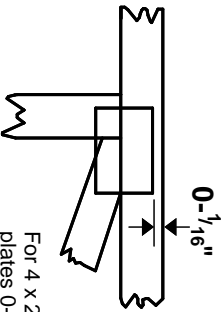
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Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in **MITek 20/20 software** or upon request.

PLATE SIZE

4 X 4

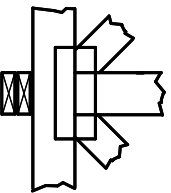
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



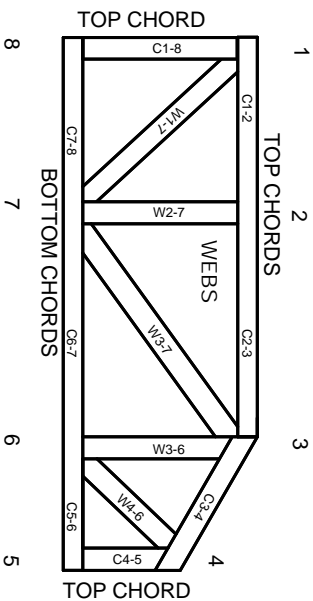
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Rewriting pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.