

RE: J0322-1076
 Lot 38 Oak Haven

Trenco
 818 Soundside Rd
 Edenton, NC 27932

Site Information:

Customer: Project Name: J0322-1076
 Lot/Block: Model:
 Address: Subdivision:
 City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.4
 Wind Code: ASCE 7-10 Wind Speed: 130 mph
 Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 41 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E15906083	A1-GE	7/6/2021	21	E15906103	E1-GE	7/6/2021
2	E15906084	A2	7/6/2021	22	E15906104	E2	7/6/2021
3	E15906085	A3	7/6/2021	23	E15906105	G1-GE	7/6/2021
4	E15906086	A4	7/6/2021	24	E15906106	G2	7/6/2021
5	E15906087	A5	7/6/2021	25	E15906107	PB1	7/6/2021
6	E15906088	A6	7/6/2021	26	E15906108	PB2	7/6/2021
7	E15906089	A7	7/6/2021	27	E15906109	PB3	7/6/2021
8	E15906090	A7A	7/6/2021	28	E15906110	PB4	7/6/2021
9	E15906091	A8	7/6/2021	29	E15906111	VA-1	7/6/2021
10	E15906092	A9-GE	7/6/2021	30	E15906112	VA-2	7/6/2021
11	E15906093	B1-GE	7/6/2021	31	E15906113	VA-3	7/6/2021
12	E15906094	B2	7/6/2021	32	E15906114	VA-4	7/6/2021
13	E15906095	C1-GE	7/6/2021	33	E15906115	VA-5	7/6/2021
14	E15906096	C2	7/6/2021	34	E15906116	VA-6	7/6/2021
15	E15906097	C3	7/6/2021	35	E15906117	VA-7	7/6/2021
16	E15906098	D1-GE	7/6/2021	36	E15906118	VA-8	7/6/2021
17	E15906099	D2	7/6/2021	37	E15906119	VC-1	7/6/2021
18	E15906100	D3	7/6/2021	38	E15906120	VC-2	7/6/2021
19	E15906101	D4	7/6/2021	39	E15906121	VC-3	7/6/2021
20	E15906102	D5	7/6/2021	40	E15906122	VC-4	7/6/2021

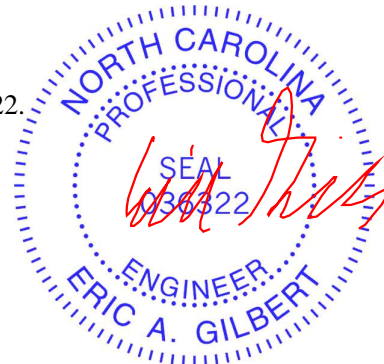
The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

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

North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.



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Site Information:

Project Customer: Project Name: J0322-1076

Lot/Block:

Subdivision:

Address:

City, County:

State:

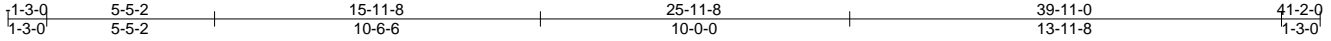
No.	Seal#	Truss Name	Date
41	E15906123	VC-5	7/6/2021

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906083
J0322-1076	A1-GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

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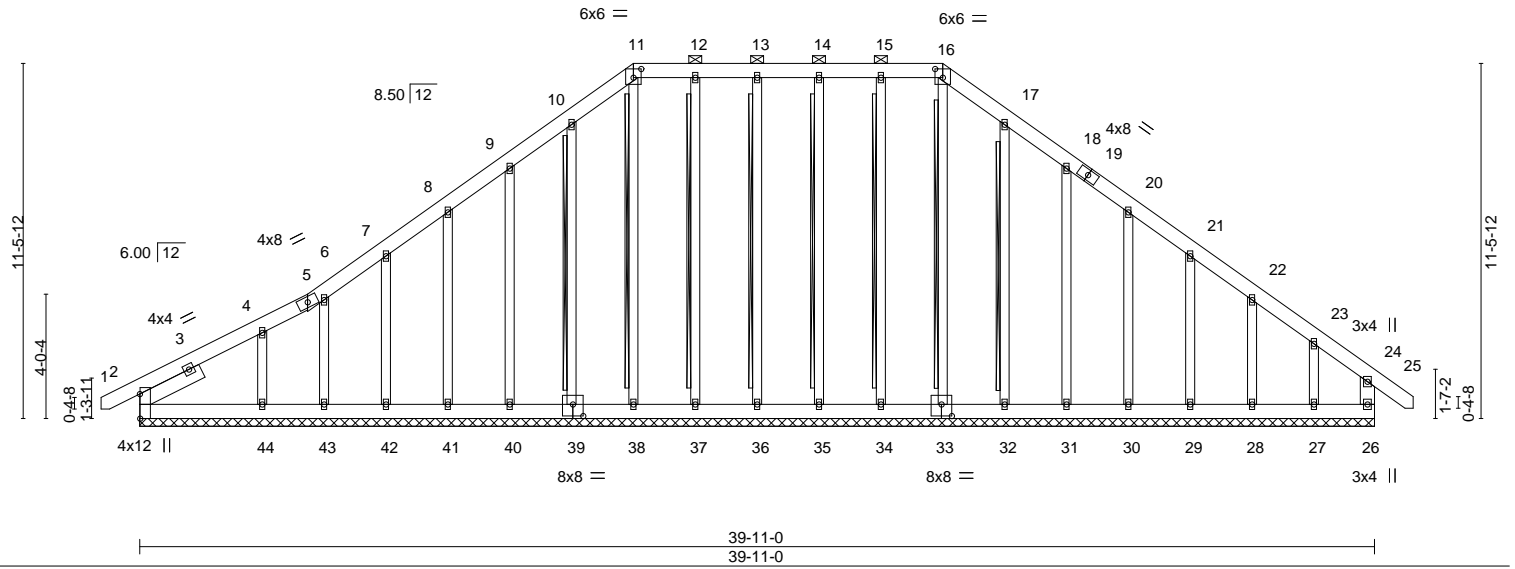


Plate Offsets (X,Y)-- [2:0-9-8,Edge], [11:0-3-0,0-3-6], [16:0-3-0,0-3-6], [33:0-4-0,0-4-8], [39:0-4-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.08	Vert(LL) -0.00	25	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT) -0.00	25	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT) 0.01	26	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 412 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 2-3-6

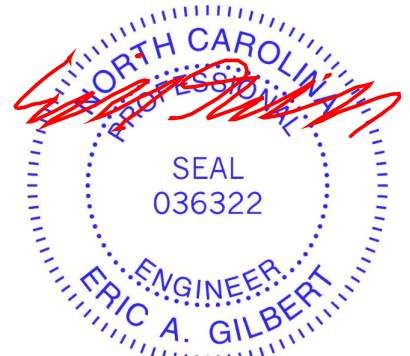
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 11-16.
Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD T-Brace: 2x4 SPF No.2 - 16-33, 15-34, 14-35, 13-36, 12-37, 11-38, 10-39, 17-32
WEBS Fasten (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. All bearings 39-11-0.
(lb) - Max Horz 2=320(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 26, 34, 35, 36, 37, 38, 39, 41, 42, 43, 32, 30, 29, 28 except 2=-130(LC 8), 40=-101(LC 12), 44=-208(LC 12), 31=-105(LC 13), 27=-223(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 26, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 32, 31, 30, 29, 28, 27 except 2=274(LC 20), 44=296(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-292/250, 7-8=-201/257, 8-9=-208/303, 9-10=-278/354, 10-11=-326/399, 11-12=-292/362, 12-13=-291/362, 13-14=-291/362, 14-15=-291/362, 15-16=-292/362, 16-17=-326/399, 17-18=-277/337, 18-20=-207/255

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) 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.
- Provide adequate drainage to prevent water ponding.
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 34, 35, 36, 37, 38, 39, 41, 42, 43, 32, 30, 29, 28 except (jt=lb) 2=130, 40=101, 44=208, 31=105, 27=223.
- 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.



July 6, 2021

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 38 Oak Haven	E15906084
J0322-1076	A2	Piggyback Base	7	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-VSDF0TlyGpzyRRce9rhKYv1Q64we7ZZbnlQr0bz_rW3

1-3-0	5-5-2	10-8-5	15-11-8	20-11-8	25-11-8	34-9-4	39-11-0	41-2-0
1-3-0	5-5-2	5-3-3	5-3-3	5-0-0	5-0-0	8-9-12	5-1-12	1-3-0

Scale = 1:78.5

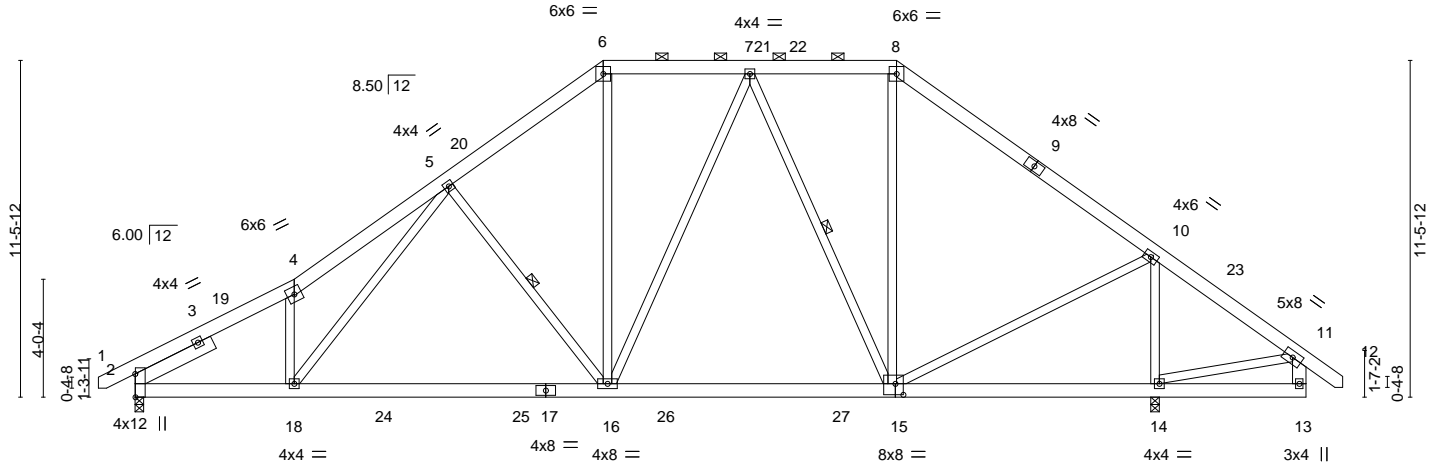


Plate Offsets (X,Y)--	[2:0-9-8,Edge], [15:0-3-4,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.50	Vert(LL) -0.12	16-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(CT) -0.24	16-18	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.03	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.04	16-18	>999	240		
							Weight: 342 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 11-13: 2x6 SP No.1	WEBS 1 Row at midpt 5-16, 7-15
SLIDER Left 2x6 SP No.1 3-0-4	

REACTIONS.
(size) 2=0-3-8, 14=0-3-8
Max Horz 2=251(LC 11)
Max Uplift 2=-84(LC 12), 14=-79(LC 13)
Max Grav 2=1418(LC 1), 14=1905(LC 1)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2219/393, 4-5=-2269/569, 5-6=-1463/436, 6-7=-1127/405, 7-8=-859/350, 8-10=-1122/306, 10-11=-234/358
BOT CHORD 2-18=-243/1960, 16-18=-151/1540, 15-16=-51/1044, 14-15=-196/292
WEBS 4-18=-376/252, 5-18=-171/726, 5-16=-600/280, 6-16=-94/558, 7-16=-35/379, 7-15=-562/173, 8-15=-13/330, 10-15=-189/1094, 10-14=-1694/586, 11-14=-148/279

- 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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 15-11-8, Exterior(2) 15-11-8 to 20-4-5, Interior(1) 20-4-5 to 25-11-8, Exterior(2) 25-11-8 to 30-4-5, Interior(1) 30-4-5 to 41-0-7 zone; cantilever right exposed ;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 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, 14.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



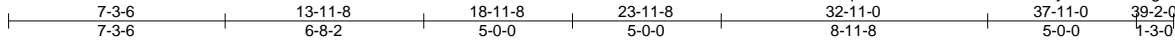
Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906087
J0322-1076	A5	PIGGYBACK BASE	6	1		

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ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-sQ083BM54LcEXCVbyOHVFzKId5giotYKxa7choz_rW_

Job Reference (optional)



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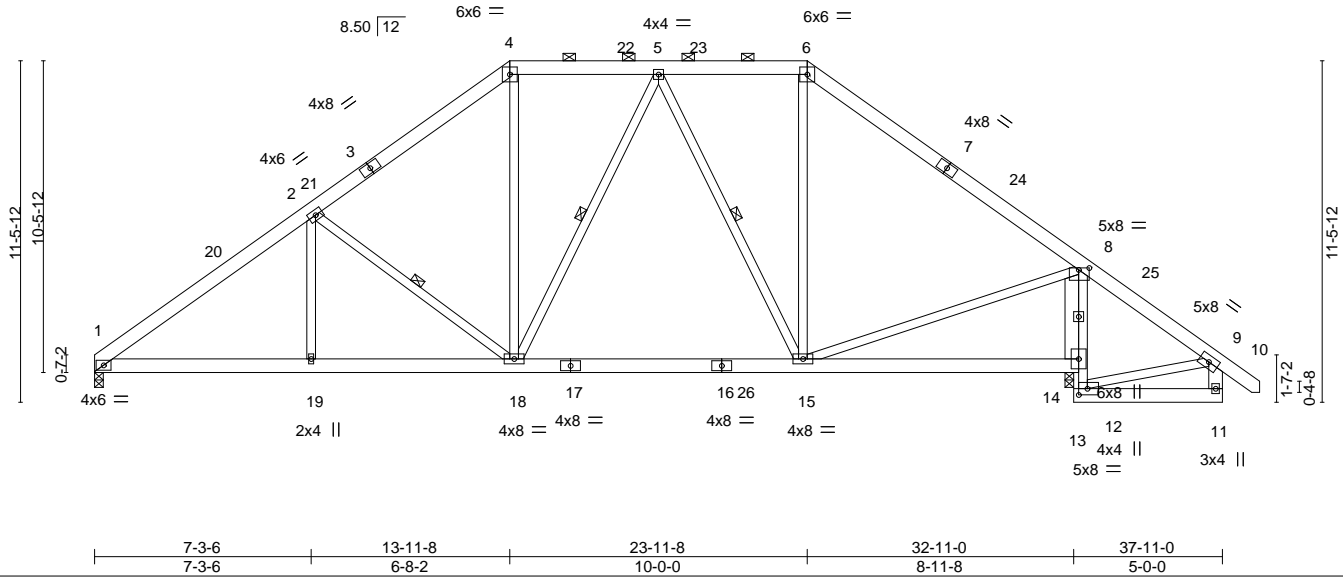


Plate Offsets (X,Y)-- [8:0-4-4,0-0-12], [12:0-3-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.39	Vert(LL)	-0.10 15-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT)	-0.17 15-18	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.40	Horz(CT)	0.03 14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL)	0.03 18	>999	240		
							Weight: 312 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1 *Except*
 8-12: 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except*
 9-11,8-14: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 12-14
 WEBS 1 Row at midpt 2-18, 5-18, 5-15

REACTIONS.

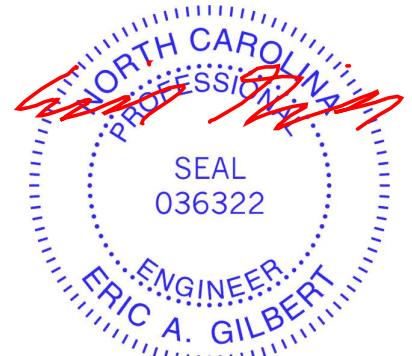
(size) 1=0-3-8, 14=0-3-8
 Max Horz 1=253(LC 10)
 Max Uplift 1=57(LC 12), 14=80(LC 13)
 Max Grav 1=1287(LC 1), 14=1804(LC 1)

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

TOP CHORD 1-2=1859/409, 2-4=1398/429, 4-5=1068/407, 5-6=911/365, 6-8=1209/320, 8-9=234/377
 BOT CHORD 1-19=178/1510, 18-19=178/1510, 15-18=48/1016, 14-15=213/332, 8-14=1624/589
 WEBS 2-19=0/285, 2-18=625/257, 4-18=75/451, 5-15=443/170, 6-15=7/342, 8-15=230/1108, 9-12=210/269

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 13-11-8, Exterior(2) 13-11-8 to 20-2-3, Interior(1) 20-2-3 to 23-11-8, Exterior(2) 23-11-8 to 30-2-3, Interior(1) 30-2-3 to 39-0-7 zone; cantilever right exposed ;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 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) 1, 14.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



July 6, 2021

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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



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906088
J0322-1076	A6	Piggyback Base	4	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

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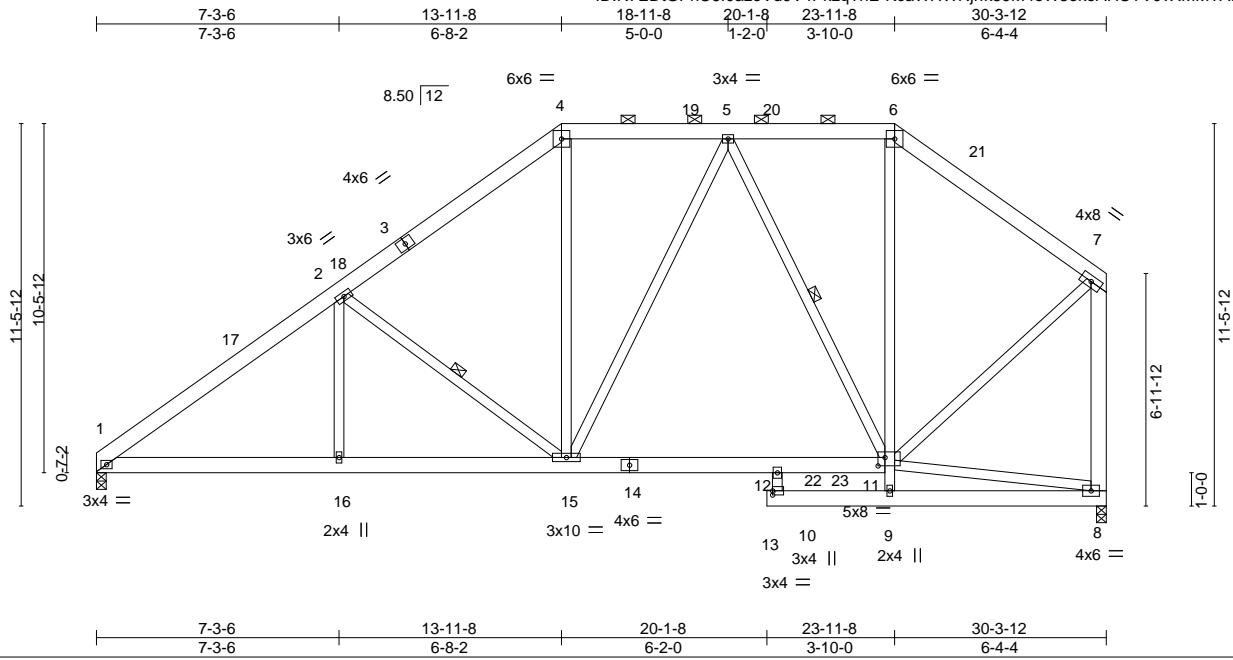


Plate Offsets (X,Y)-- [10:0-0-0,0-1-8], [11:0-2-8,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) -0.10	12-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.16	12-15	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.30	Horz(CT) 0.03	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.02	16	>999	240		
							Weight: 279 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1 *Except*
 10-12: 2x4 SP No.2
 WEBS 2x4 SP No.2 *Except*
 7-8: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 2-15, 5-11

REACTIONS.

(size) 1=0-3-8, 8=0-3-8
 Max Horz 1=236(LC 12)
 Max Uplift 1=44(LC 12), 8=16(LC 12)
 Max Grav 1=1200(LC 1), 8=1202(LC 1)

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

TOP CHORD 1-2=-1712/365, 2-4=-1251/384, 4-5=-928/388, 5-6=-675/297, 6-7=-906/275, 7-8=-1200/331
 BOT CHORD 1-16=-406/1373, 15-16=-406/1373, 12-15=-194/856, 11-12=-131/1075, 9-10=-286/0
 WEBS 2-16=0/285, 2-15=-628/256, 4-15=-51/385, 9-11=0/335, 6-11=-3/255, 7-11=-137/875, 5-15=-54/265, 5-11=-538/192

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 13-11-8, Exterior(2) 13-11-8 to 20-2-3, Interior(1) 20-2-3 to 23-11-8, Exterior(2) 23-11-8 to 30-1-0 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 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) 1, 8.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



July 6, 2021

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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



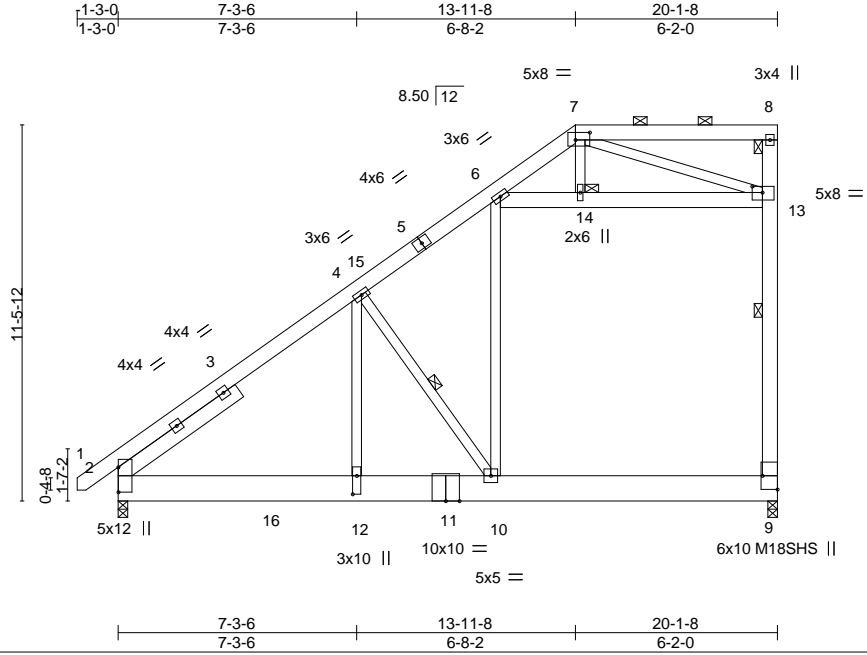
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906089
J0322-1076	A7	PIGGYBACK BASE	2	1		

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-oo8vUsOLcysynWf_3pJzKOqVovG1GIHdOucjkzhz_rVy



Scale = 1:70.3

Plate Offsets (X,Y)-- [2:0-9-2,0-0-1], [7:0-5-4,0-2-12], [9:Edge,0-5-8], [12:0-6-12,0-1-8], [13:0-3-12,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.98	Vert(LL) -0.30	9-10	>805	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.58	9-10	>415	240	M18SHS	244/190
BCLL 0.0 *	Rep Stress Incr NO	WB 0.58	Horz(CT) 0.01	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.29	10	>829	240		
							Weight: 233 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x10 SP No.1 *Except*
 9-11: 2x10 SP 2400F 2.0E
 WEBS 2x4 SP No.2 *Except*
 8-9,6-13: 2x6 SP No.1
 SLIDER Left 2x6 SP No.1 4-6-4

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 7-8.
 BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.
 WEBS 1 Row at midpt 8-9, 4-10
 JOINTS 1 Brace at Jt(s): 8, 14

REACTIONS.

(size) 9=0-3-8, 2=0-3-8
 Max Horz 2=350(LC 12)
 Max Uplift 9=164(LC 12), 2=6(LC 12)
 Max Grav 9=1332(LC 19), 2=1032(LC 19)

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

TOP CHORD 2-4=-1234/132, 4-6=-442/12, 6-7=-343/157, 7-8=-153/516, 9-13=-449/225
 BOT CHORD 2-12=-386/975, 10-12=-386/975
 WEBS 4-12=-286/1034, 4-10=-1320/552, 6-10=0/304, 7-13=-939/378

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) -1-1-7 to 3-3-6, Interior(1) 3-3-6 to 13-11-8, Exterior(2) 13-11-8 to 19-10-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) All plates are MT20 plates 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 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 9=164.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-7=-60, 7-8=-60, 2-10=-20, 9-10=-80



July 6, 2021

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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 38 Oak Haven	E15906090
J0322-1076	A7A	PIGGYBACK BASE	2	2	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGpNjU6l0azoVd9V4PkzqTnE-kBGfYpB8a6g0qoNBDLrQprvziyVkg?wsC5ppZz_rVw

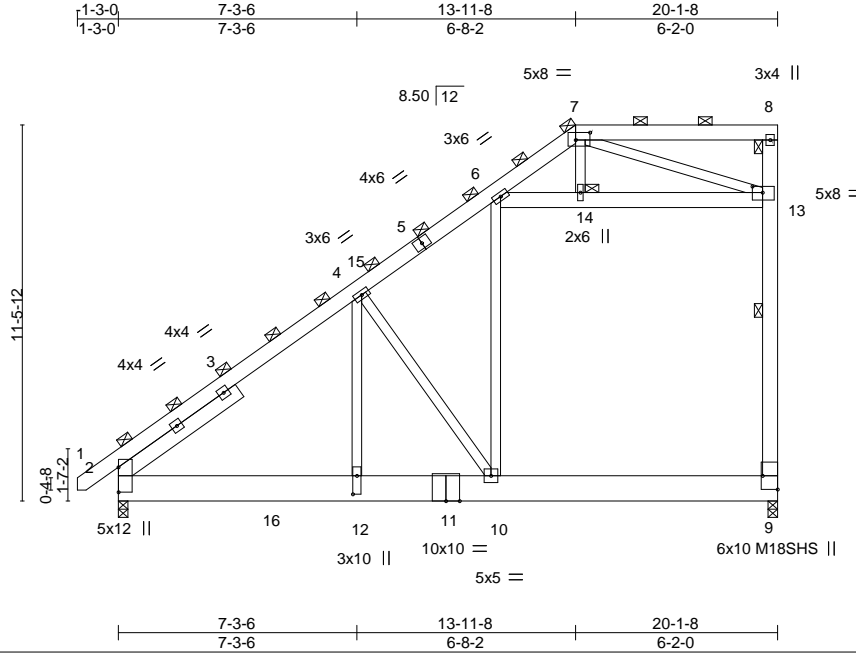


Plate Offsets (X,Y)-- [2:0-9-2,0-0-1], [7:0-5-4,0-2-12], [9:Edge,0-5-8], [12:0-6-12,0-1-8], [13:0-3-12,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.94	Vert(LL) -0.30	9-10	>805	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.58	9-10	>415	240	M18SHS	244/190
BCLL 0.0 *	Rep Stress Incr NO	WB 0.50	Horz(CT) 0.01	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.29	10	>829	240		
							Weight: 465 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x10 SP No.1 *Except*
 9-11: 2x10 SP 2400F 2.0E
 WEBS 2x4 SP No.2 *Except*
 8-9,6-13: 2x6 SP No.1
 SLIDER Left 2x6 SP No.1 4-6-4

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
 (Switched from sheeted: Spacing > 2-0-0).
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 BOT CHORD
 WEBS 1 Row at midpt 8-9
 JOINTS 1 Brace at Jt(s): 8, 14, 7

REACTIONS.

(size) 9=0-3-8, 2=0-3-8
 Max Horz 2=701(LC 12)
 Max Uplift 9=-327(LC 12), 2=-11(LC 12)
 Max Grav 9=2664(LC 19), 2=2064(LC 19)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2467/264, 4-6=-885/24, 6-7=-686/314, 7-8=-306/1032, 9-13=-898/451,
 8-13=-322/202
 BOT CHORD 2-12=-771/1951, 10-12=-771/1951, 9-10=-140/441
 WEBS 4-12=-572/2068, 4-10=-2640/1105, 6-10=0/607, 6-14=-314/464, 13-14=-307/451,
 7-13=-1879/756

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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) -1-1-7 to 3-3-6, Interior(1) 3-3-6 to 13-11-8, Exterior(2) 13-11-8 to 19-10-12 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.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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 except (jt=lb) 9=327.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

July 6, 2021

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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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 38 Oak Haven	E15906090
J0322-1076	A7A	PIGGYBACK BASE	2	2	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

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 ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-kBGfvYPb8a6g0qoNBDLRQpvrziyVkg?wsC5ppZz_rVw

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-7=-120, 7-8=-120, 2-10=-40, 9-10=-160

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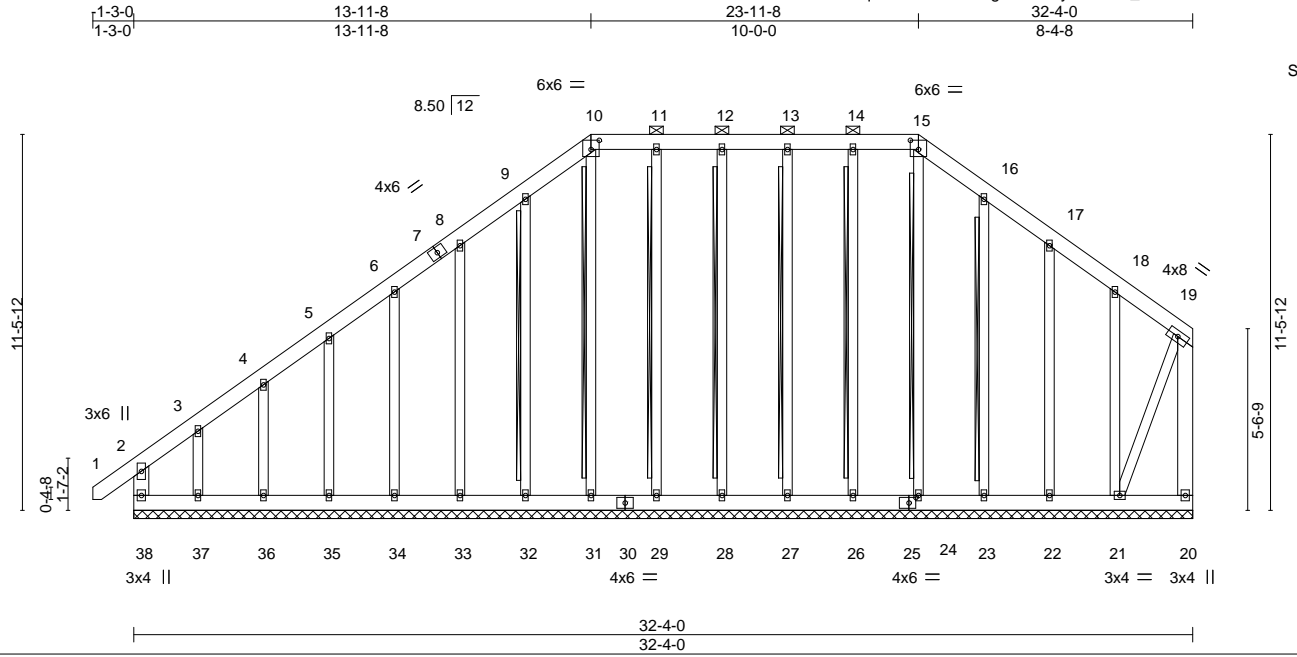
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906092
J0322-1076	A9-GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:70.4

Plate Offsets (X,Y)-- [10:0-3-0,0-3-6], [15:0-3-0,0-3-6], [25:0-2-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.10	Vert(LL) -0.00	1	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.08	Vert(CT) -0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT) -0.00	20	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 368 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x6 SP No.1 *Except*
 19-21: 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, and 2-0-0 oc purlins (6-0-0 max.): 10-15. Rigid ceiling directly applied or 10-0-0 oc bracing.
 BOT CHORD T-Brace: 2x4 SPF No.2 - 15-24, 14-26, 13-27, 12-28, 11-29, 10-31, 9-32, 16-23
 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.

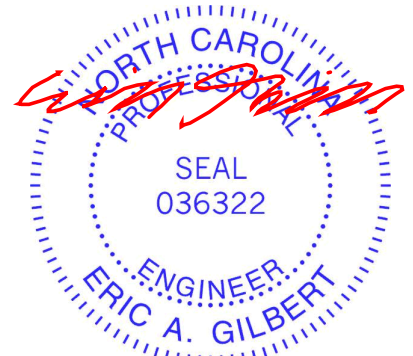
All bearings 32-4-0.
 (lb) - Max Horz 38=341(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 28, 29, 32, 34, 36, 23 except 38=157(LC 10), 20=243(LC 9), 33=102(LC 12), 35=102(LC 12), 37=342(LC 12), 22=104(LC 13), 21=207(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) 24, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 23, 22 except 38=308(LC 12), 20=263(LC 10), 37=285(LC 10), 21=342(LC 11)

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

TOP CHORD 2-3=-324/234, 9-10=-251/296, 10-11=-226/274, 11-12=-226/275, 12-13=-226/275, 13-14=-226/275, 14-15=-226/274, 15-16=-251/296

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) 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 28, 29, 32, 34, 36, 23 except (jt=lb) 38=157, 20=243, 33=102, 35=102, 37=342, 22=104, 21=207.
- 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.



July 6, 2021

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906093
J0322-1076	B1-GE	GABLE	1	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:27 2021 Page 1
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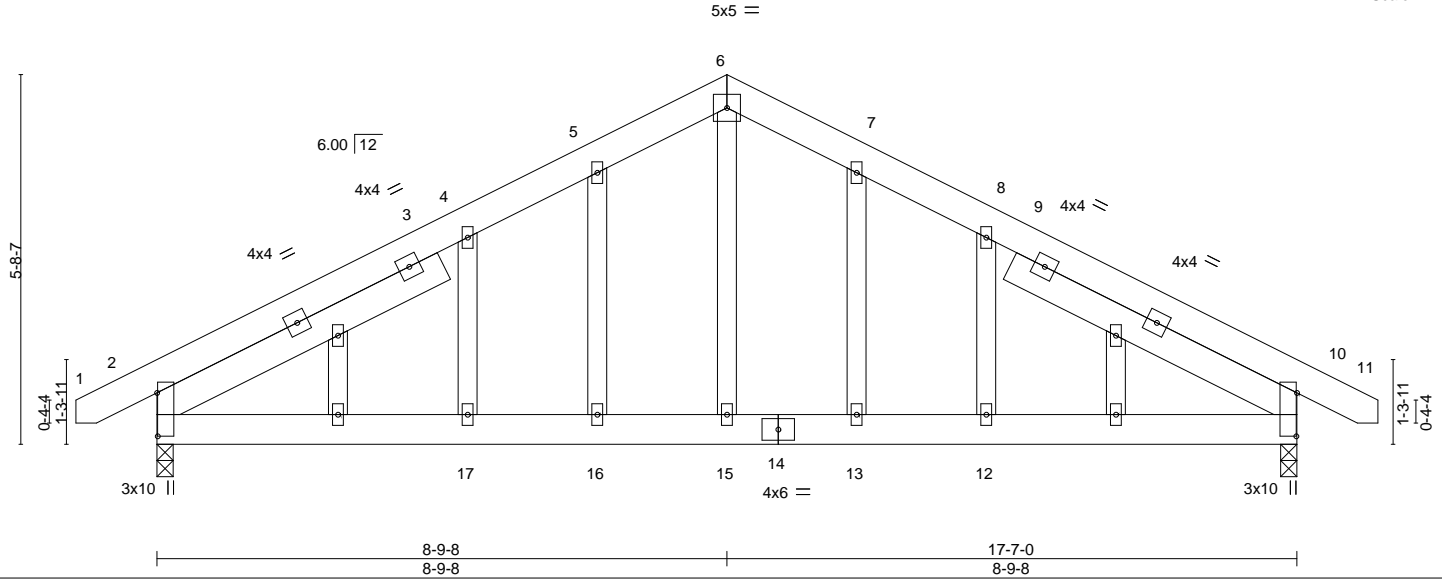


Plate Offsets (X,Y)-- [2:0-8-0,0-0-2], [10:0-8-0,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.21	Vert(LL) -0.04	12	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.27	Vert(CT) -0.06	12	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.01	10	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.05	2-17	>999	240			
								Weight: 148 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
 SLIDER Left 2x6 SP No.1 4-11-13, Right 2x6 SP No.1 4-11-13

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-11-14 oc bracing.

REACTIONS.

(size) 10=0-3-0, 2=0-3-0
 Max Horz 2=100(LC 17)
 Max Uplift 10=-204(LC 8), 2=-204(LC 9)
 Max Grav 10=769(LC 1), 2=769(LC 1)

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

TOP CHORD 2-4=-894/901, 4-5=-749/872, 5-6=-736/923, 6-7=-736/923, 7-8=-749/872,
 8-10=-894/901
 BOT CHORD 2-17=-651/673, 16-17=-651/673, 15-16=-651/673, 13-15=-651/673, 12-13=-651/673,
 10-12=-651/673
 WEBS 6-15=-536/360

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 Exterior(2) 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.
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=204, 2=204.



July 6, 2021

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

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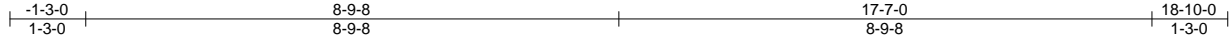


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906094
J0322-1076	B2	COMMON	2	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:28 2021 Page 1
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5x5 =

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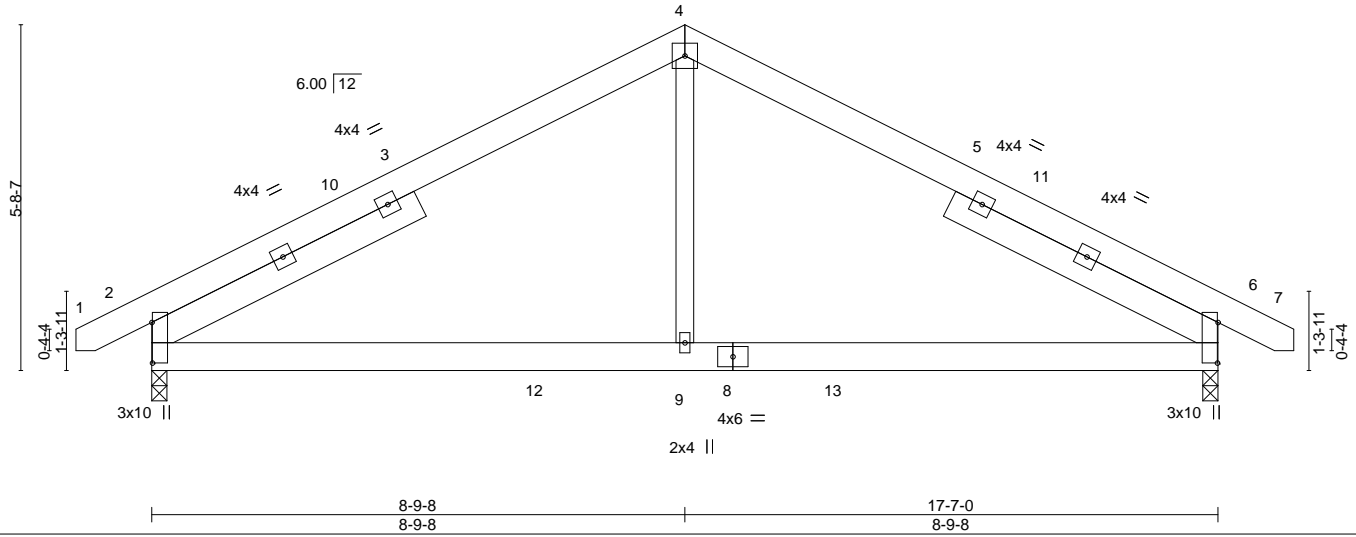


Plate Offsets (X,Y)-- [2:0-8-0,0-0-2], [6:0-8-0,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.29	Vert(LL) -0.03	6-9	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.26	Vert(CT) -0.06	6-9	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.21	Horz(CT) 0.01	6	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07	2-9	>999	240			
								Weight: 125 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x6 SP No.1 4-11-13, Right 2x6 SP No.1 4-11-13

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-8-5 oc bracing.

REACTIONS.

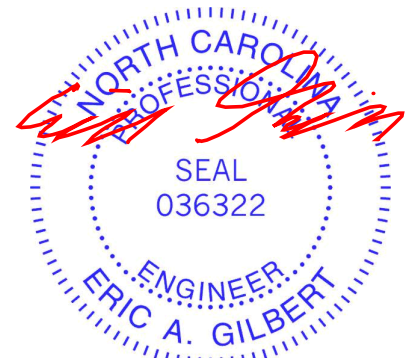
(size) 6=0-3-0, 2=0-3-0
 Max Horz 2=-70(LC 8)
 Max Uplift 6=-158(LC 8), 2=-158(LC 9)
 Max Grav 6=769(LC 1), 2=769(LC 1)

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

TOP CHORD 2-4=-895/833, 4-6=-895/832
 BOT CHORD 2-9=-591/691, 6-9=-591/691
 WEBS 4-9=-491/400

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) -1-1-2 to 3-3-11, Interior(1) 3-3-11 to 8-9-8, Exterior(2) 8-9-8 to 13-2-5, Interior(1) 13-2-5 to 18-8-2 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 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) except (jt=lb) 6=158, 2=158.



July 6, 2021

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



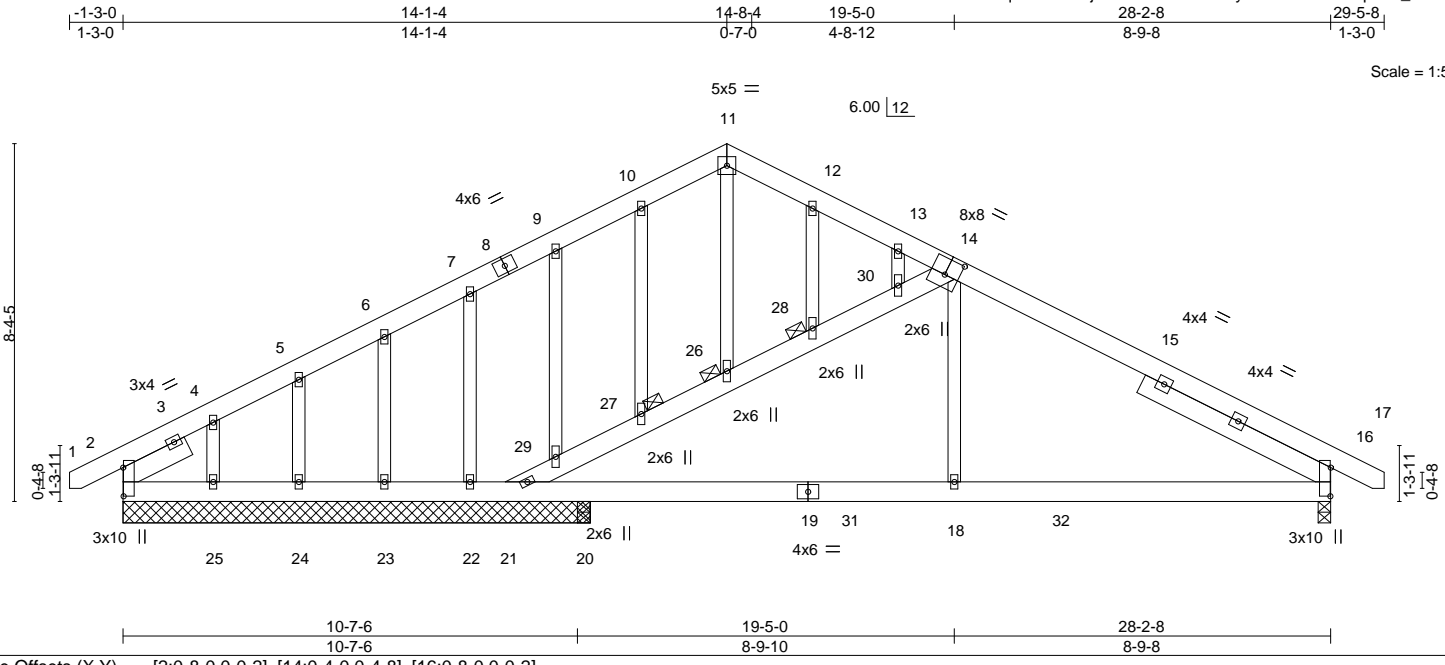
818 Soundside Road
 Edenton, NC 27932

Job J0322-1076	Truss C1-GE	Truss Type QUEENPOST	Qty 1	Ply 1	Lot 38 Oak Haven
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Comtech, Inc., Fayetteville, NC 28309, Mitek

Job Reference (optional)
8.430 s Mar 22 2021 MiTek Industries, Inc. Tue Jul 6 09:42:27 2021 Page 1

ID:R7EDtGPnU6i0azoVd9V4PkzqTnE-5kNHJQtHtEGf4unnN7k5y44QTcb2Xx4tipSaz_r0w



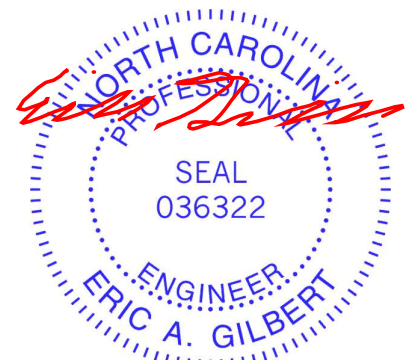
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(LL) -0.03 16-18 >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Vert(CT) -0.07 16-18 >999 240		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Horz(CT) -0.02 2 n/a n/a		
			Wind(LL) 0.07 16-18 >999 240	Weight: 242 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 9-7-12 oc bracing.
WEBS 2x4 SP No.2 *Except*	JOINTS 1 Brace at Jt(s): 26, 27, 28
14-21: 2x6 SP No.1	
SLIDER Left 2x6 SP No.1 -L 1-8-15, Right 2x6 SP No.1 -L 4-11-13	

REACTIONS. (lb/size)	16=905/0-3-8 (min. 0-1-8), 21=257/10-11-0 (min. 0-1-8), 22=303/10-11-0 (min. 0-1-8), 23=101/10-11-0 (min. 0-1-8), 24=183/10-11-0 (min. 0-1-8), 25=13/10-11-0 (min. 0-1-8), 2=440/10-11-0 (min. 0-1-8), 20=189/0-3-8 (min. 0-1-8)
Max Horz	16=154(LC 16)
Max Uplift	16=-228(LC 8), 21=-229(LC 13), 22=-96(LC 12), 23=-50(LC 12), 24=-64(LC 12), 25=-142(LC 12), 20=-71(LC 9)
Max Grav	16=905(LC 1), 21=268(LC 20), 22=303(LC 1), 23=104(LC 23), 24=183(LC 1), 25=75(LC 3), 2=440(LC 1), 20=361(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 11-12=-346/280, 12-13=-367/238, 13-14=-449/279, 14-15=-991/869, 15-16=-1127/829, 16-17=-15/0, 1-2=-15/0, 2-3=-451/0, 3-4=-391/0, 4-5=-357/12, 5-6=-371/65, 6-7=-346/108, 7-8=-390/187, 8-9=-369/195, 9-10=-377/244, 10-11=-341/273
BOT CHORD 2-25=0/326, 23-24=0/326, 22-23=0/326, 21-22=0/326, 20-21=-603/879, 19-20=-603/879, 19-31=-603/879, 18-31=-603/879, 18-32=-611/887, 16-32=-611/887
WEBS 21-29=-721/818, 27-29=-705/781, 26-27=-702/764, 26-28=-726/807, 28-30=-698/776, 14-30=-739/833, 11-26=-97/94, 10-27=-37/39, 12-28=-76/69, 14-18=-353/373, 9-29=-101/84, 7-22=-218/175, 6-23=-68/72, 5-24=-139/108, 4-25=-55/158, 13-30=-118/112

- 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) zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 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 228 lb uplift at joint 16, 229 lb uplift at joint 21, 96 lb uplift at joint 22, 50 lb uplift at joint 23, 64 lb uplift at joint 24, 142 lb uplift at joint 25 and 71 lb uplift at joint 20.



July 6, 2021

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906097
J0322-1076	C3	COMMON	1	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:31 2021 Page 1

ID:R7EDtGpN0610azoVd9V4PkzqTnE-VjhbHVcG16X_2QvfVJkVEOSxI4cBQ5iS1E56z_rVo

Job Reference (optional)

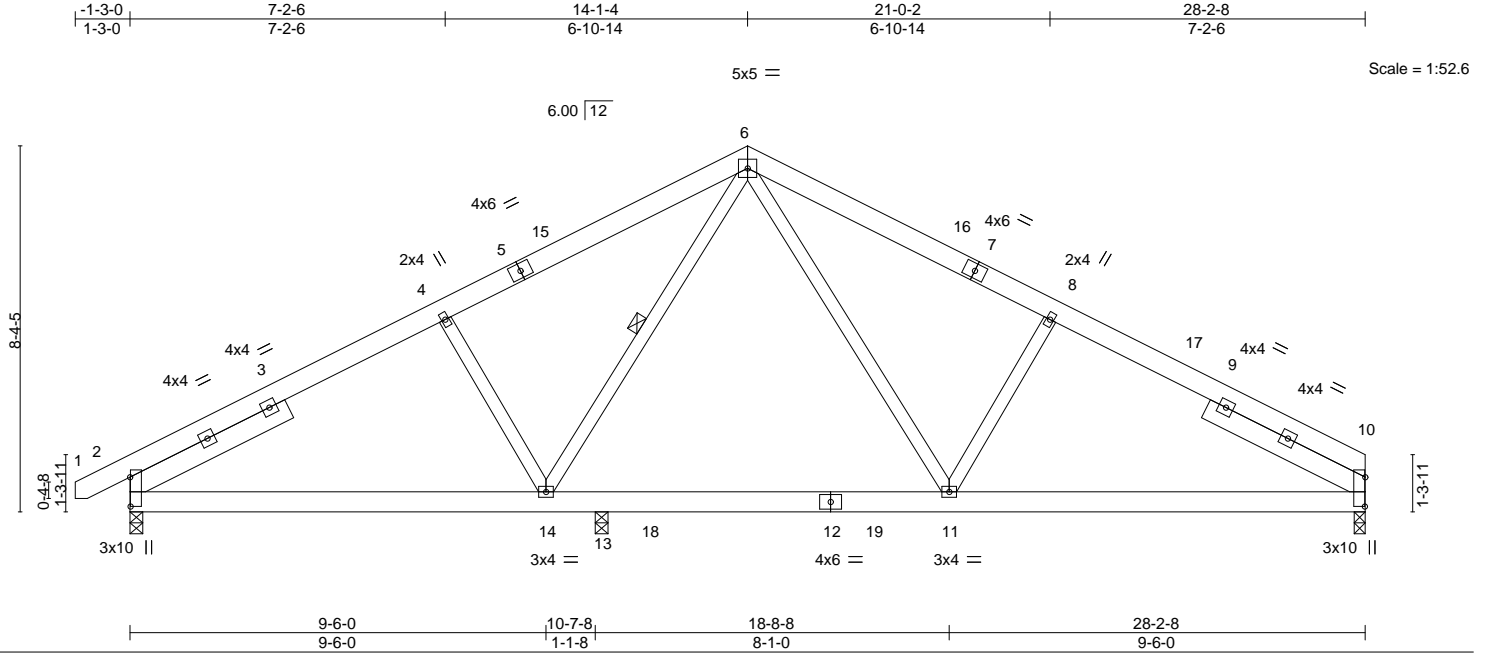


Plate Offsets (X,Y)-- [2:0-8-0,0-0-2], [10:0-8-0,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.20	Vert(LL) -0.06	2-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.39	Vert(CT) -0.14	2-14	>936	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.85	Horz(CT) 0.02	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.10	10-11	>999	240	Weight: 202 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 SLIDER Left 2x6 SP No.1 4-1-3, Right 2x6 SP No.1 4-1-3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-7-3 oc bracing.
 WEBS 1 Row at midpt 6-14

REACTIONS.

(size) 10=0-3-0, 2=0-3-8, 13=0-3-8
 Max Horz 2=-109(LC 8)
 Max Uplift 10=-159(LC 8), 2=-75(LC 12), 13=-130(LC 9)
 Max Grav 10=941(LC 1), 2=894(LC 1), 13=599(LC 2)

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

TOP CHORD 2-4=-1101/357, 4-6=-896/386, 6-8=-1136/857, 8-10=-1340/828
 BOT CHORD 2-14=-181/875, 13-14=-186/705, 11-13=-186/705, 10-11=-591/1077
 WEBS 6-11=-598/502, 8-11=-327/213, 4-14=-353/240

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 14-1-4, Exterior(2) 14-1-4 to 18-6-1, Interior(1) 18-6-1 to 28-2-8 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 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 except (jt=lb) 10=159, 13=130.



July 6, 2021

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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

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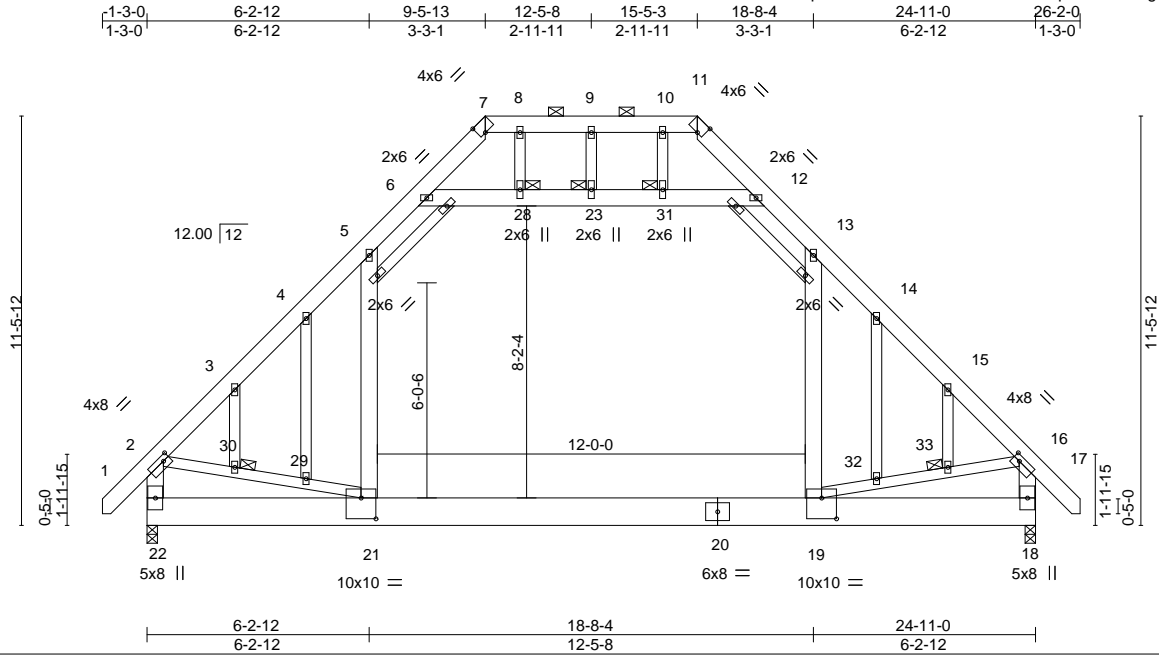
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906098
J0322-1076	D1-GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:33 2021 Page 1

ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-S6sR?zXtneNfDMZImKXnqwJfkkMV49gO9IWL9_z_rVm



Scale: 3/16"=1'

Plate Offsets (X,Y)-- [2:0-2-4,0-1-12], [7:0-2-2,Edge], [11:0-2-2,Edge], [16:0-2-4,0-1-12], [19:0-5-0,0-7-0], [21:0-5-0,0-7-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.54	Vert(LL) -0.18 19-21 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.29 19-21 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.01 18 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.09 21 >999 240	Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
24-25,26-27: 2x4 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
9-23,2-21,16-19: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 23, 28, 30, 31, 33

REACTIONS.

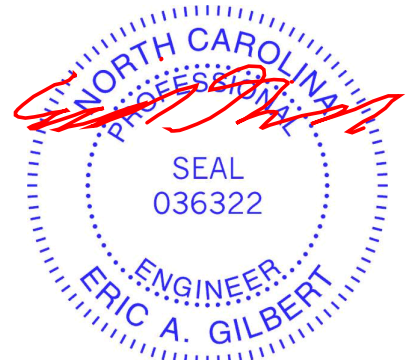
(size) 22=0-3-8, 18=0-3-8
Max Horz 22=-387(LC 10)
Max Grav 22=1622(LC 2), 18=1622(LC 2)

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

TOP CHORD 2-3=-1856/0, 3-4=-1738/0, 4-5=-1607/70, 5-6=-1108/200, 6-7=-391/192,
11-12=-391/191, 12-13=-1108/200, 13-14=-1606/70, 14-15=-1738/0, 15-16=-1856/0,
2-22=-1666/99, 16-18=-1666/99
BOT CHORD 21-22=-372/724, 19-21=0/1213, 18-19=-145/482
WEBS 5-21=0/718, 13-19=0/718, 6-28=-1194/151, 23-28=-1194/151, 23-31=-1194/151,
12-31=-1194/151, 2-30=-59/915, 29-30=-57/922, 21-29=-72/958, 19-32=-80/960,
32-33=-64/924, 16-33=-66/917

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 Exterior(2) 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.
- 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 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.
- Ceiling dead load (10.0 psf) on member(s). 5-6, 12-13, 6-28, 23-28, 23-31, 12-31; Wall dead load (5.0psf) on member(s).5-21, 13-19
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 19-21
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



July 6, 2021

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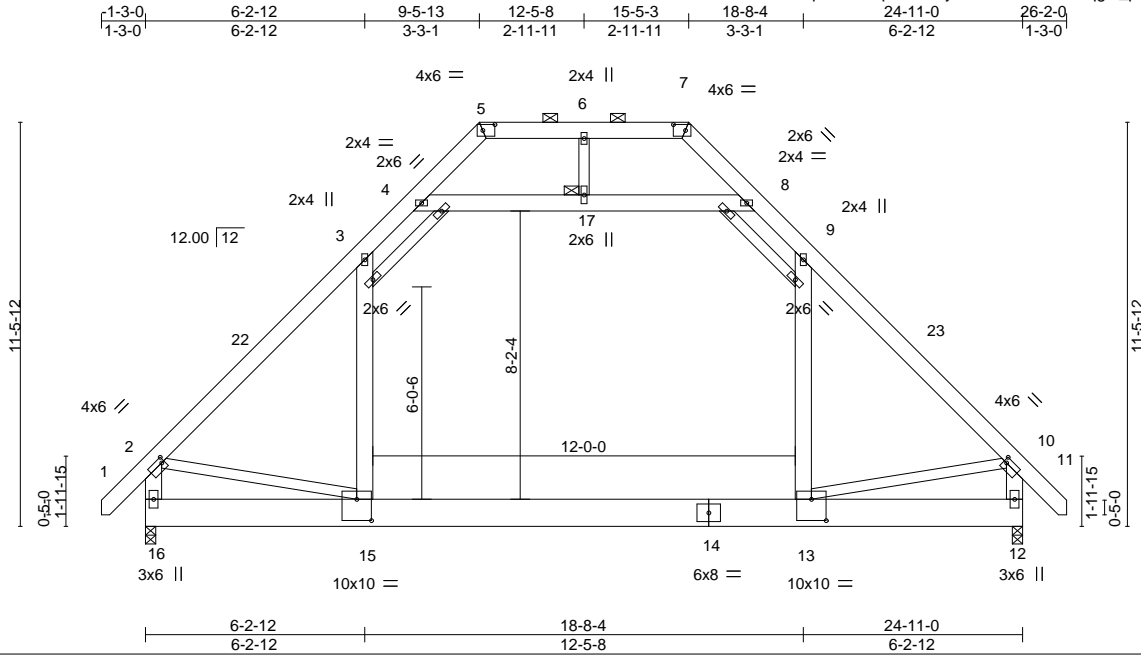
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906099
J0322-1076	D2	PIGGYBACK ATTIC	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:34 2021 Page 1

ID:R7EDtGPhU6l0azoVd9V4PkgzTnE-wlQpDJYVYyV6rW8UK120M7sqg8i_phUXOPGvRz_rVl



Scale = 1:65.5

Plate Offsets (X,Y)-- [2:0-1-0-0-1-12], [5:0-4-2-0-2-0], [7:0-4-2-0-2-0], [10:0-1-0-0-1-12], [13:0-5-0-0-7-4], [15:0-5-0-0-7-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.53	Vert(LL) -0.17	13-15	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.27	13-15	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT) 0.01	12	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.08	15	>999	240		
							Weight: 273 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
18-19,20-21: 2x4 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
6-17,2-15,10-13: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS.

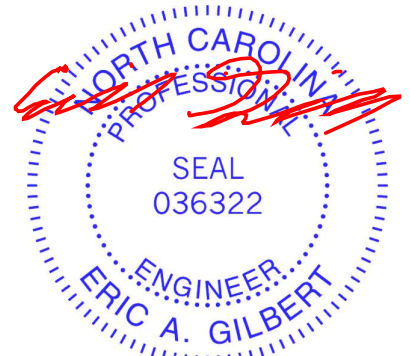
(size) 16=0-3-8, 12=0-3-8
Max Horz 16=-310(LC 10)
Max Grav 16=1622(LC 2), 12=1622(LC 2)

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

TOP CHORD 2-3=-1834/17, 3-4=-1110/177, 4-5=-337/115, 7-8=-337/114, 8-9=-1110/177,
9-10=-1833/0, 2-16=-1716/99, 10-12=-1717/99
BOT CHORD 15-16=-316/492, 13-15=0/1215, 12-13=-89/352
WEBS 3-15=0/759, 9-13=0/759, 4-17=-1210/134, 8-17=-1210/134, 2-15=0/1070, 10-13=0/1076

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) -1-1-10 to 3-3-3, Interior(1) 3-3-3 to 9-6-15, Exterior(2) 9-6-15 to 21-6-11, Interior(1) 21-6-11 to 26-0-10 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
- 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 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.
- Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17; Wall dead load (5.0psf) on member(s).3-15, 9-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



July 6, 2021

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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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

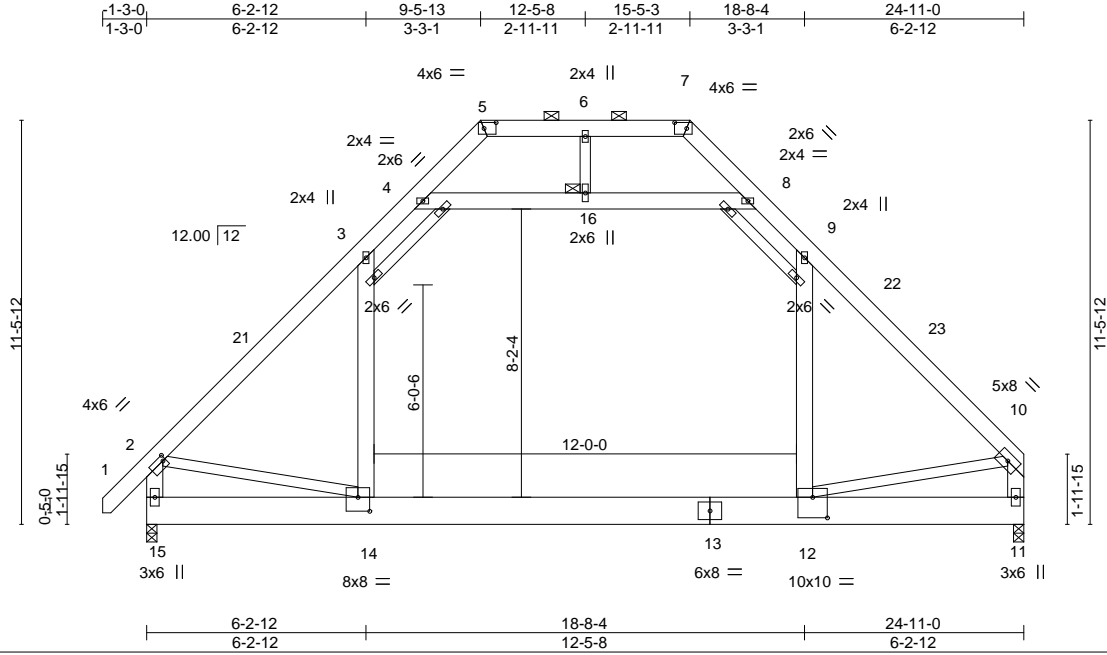
Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906100
J0322-1076	D3	PIGGYBACK ATTIC	7	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:36 2021 Page 1

ID:R7EDtGpN U6l0azoVd9V4PkzqTnE-shYae?Zl4Zlq4qltSS4URYxAuyORHbkqrj?mJz_rVj

Job Reference (optional)



Scale = 1:65.5

Plate Offsets (X,Y)-- [2:0-1-0-0-1-12], [5:0-4-2-0-2-0], [7:0-4-2-0-2-0], [12:0-5-0-0-7-0], [14:0-4-0-0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.54	Vert(LL) -0.17	12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.28	12-14	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.01	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.08	12	>999	240		
							Weight: 269 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
17-18,19-20: 2x4 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
6-16,2-14,10-12: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS.

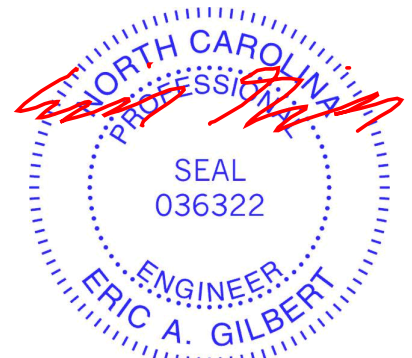
(size) 15=0-3-8, 11=0-3-8
Max Horz 15=277(LC 9)
Max Grav 15=1624(LC 2), 11=1552(LC 2)

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

TOP CHORD 2-3=-1838/13, 3-4=-1112/174, 4-5=-330/111, 7-8=-331/107, 8-9=-1114/183,
9-10=-1825/0, 2-15=-1720/95, 10-11=-1660/22
BOT CHORD 14-15=-314/466, 12-14=0/1195
WEBS 3-14=0/762, 9-12=0/740, 4-16=-1225/152, 8-16=-1225/152, 2-14=0/1076, 10-12=0/1122

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) -1-1-10 to 3-3-3, Interior(1) 3-3-3 to 9-6-15, Exterior(2) 9-6-15 to 21-6-11, Interior(1) 21-6-11 to 24-8-4 zone; end vertical left exposed; 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 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.
- Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-16, 8-16; Wall dead load (5.0psf) on member(s).3-14, 9-12
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



July 6, 2021

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

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Edenton, NC 27932

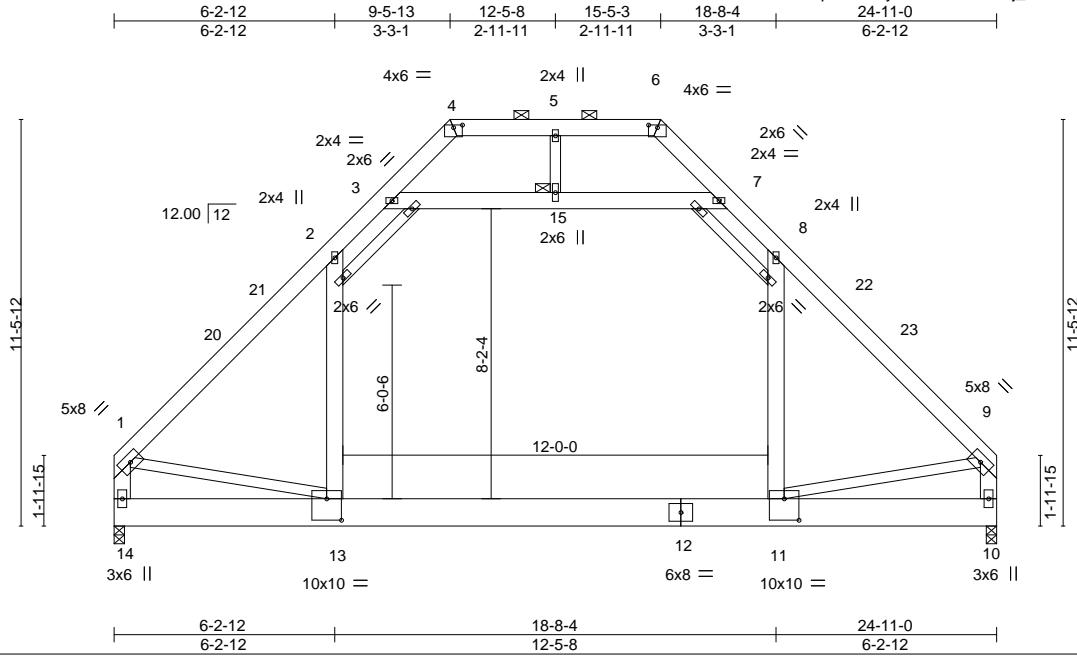
Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906101
J0322-1076	D4	PIGGYBACK ATTIC	2	1		

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6i0azoVd9V4PkzqTnE-Ki6yrKaNrtthizt3?Abj_mULYMk02z_4NUZJmz_rVi

Job Reference (optional)



Scale = 1:65.0

Plate Offsets (X,Y)-- [4:0-3-0,0-0-14], [6:0-3-0,0-0-14], [11:0-5-0,0-7-4], [13:0-5-0,0-7-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.17	11-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.28	11-13	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT) 0.01	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.08	13	>999	240		
							Weight: 265 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
16-17,18-19: 2x4 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
5-15,1-13,9-11: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-4-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS.

(size) 14=0-3-8, 10=0-3-8
Max Horz 14=-224(LC 8)
Max Grav 14=1554(LC 2), 10=1554(LC 2)

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

TOP CHORD 1-2=-1829/1, 2-3=-1116/180, 3-4=-324/102, 6-7=-324/102, 7-8=-1116/180, 8-9=-1829/0,
1-14=-1663/17, 9-10=-1664/17
BOT CHORD 13-14=-274/377, 11-13=0/1198
WEBS 2-13=0/744, 8-11=0/744, 3-15=-1238/152, 7-15=-1238/152, 1-13=0/1123, 9-11=0/1126

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) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 9-6-15, Exterior(2) 9-6-15 to 21-6-11, Interior(1) 21-6-11 to 24-8-4 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 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.
- Ceiling dead load (10.0 psf) on member(s). 2-3, 7-8, 3-15, 7-15; Wall dead load (5.0psf) on member(s).2-13, 8-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



July 6, 2021

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

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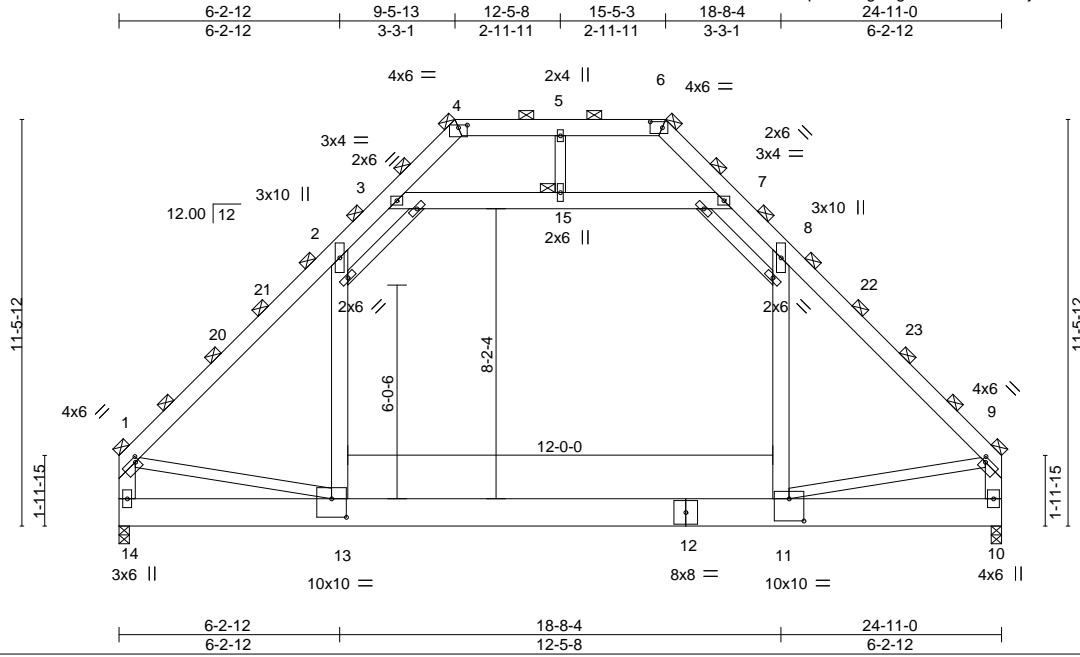
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906102
J0322-1076	D5	PIGGYBACK ATTIC	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6i0azoVd9V4PkzqTnE-o3gK3gb?cB?YJ7SFZt7yXz1Q0l1qt187J1E6rCz_rVh



Scale = 1:65.0

Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [4:0-3-0,0-0-14], [6:0-4-2,0-2-0], [9:0-1-4,0-1-8], [11:0-5-0,0-7-8], [13:0-5-0,0-6-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	3-0-0	TC 0.95	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.89	Vert(LL) -0.23 11-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.41	Vert(CT) -0.38 11-13 >777 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.01 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.10 11 >999 240	Weight: 265 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
16-17,18-19: 2x4 SP No.2
BOT CHORD 2x10 SP 2400F 2.0E *Except*
10-12: 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
5-15,1-13,9-11: 2x4 SP No.2

BRACING-

TOP CHORD 2-0-0 oc purlins (3-8-6 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 9-5-1 oc bracing.
JOINTS 1 Brace at Jt(s): 1, 4, 9, 6, 15

REACTIONS.

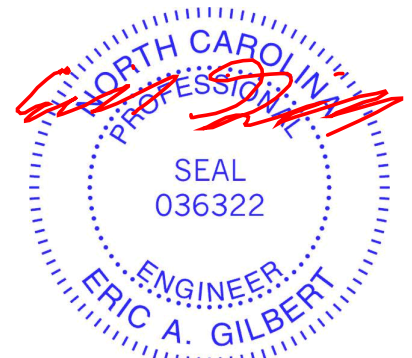
(size) 14=0-3-8, 10=0-3-8
Max Horz 14=-336(LC 8)
Max Grav 14=2331(LC 2), 10=2331(LC 2)

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

TOP CHORD 1-2=-2734/4, 2-3=-1665/271, 3-4=-489/153, 6-7=-488/155, 7-8=-1667/269, 8-9=-2720/0,
4-5=-205/264, 5-6=-205/264, 1-14=-2479/29, 9-10=-2472/27
BOT CHORD 13-14=-400/582, 11-13=0/1782, 10-11=-133/315
WEBS 2-13=0/1105, 8-11=0/1098, 3-15=-1847/230, 7-15=-1847/230, 1-13=0/1644, 9-11=0/1665

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) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 9-6-15, Exterior(2) 9-6-15 to 21-6-11, Interior(1) 21-6-11 to 24-8-4 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 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.
- Ceiling dead load (10.0 psf) on member(s). 2-3, 7-8, 3-15, 7-15; Wall dead load (5.0psf) on member(s).2-13, 8-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Attic room checked for L/360 deflection.



July 6, 2021

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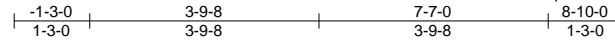
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906103
J0322-1076	E1-GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

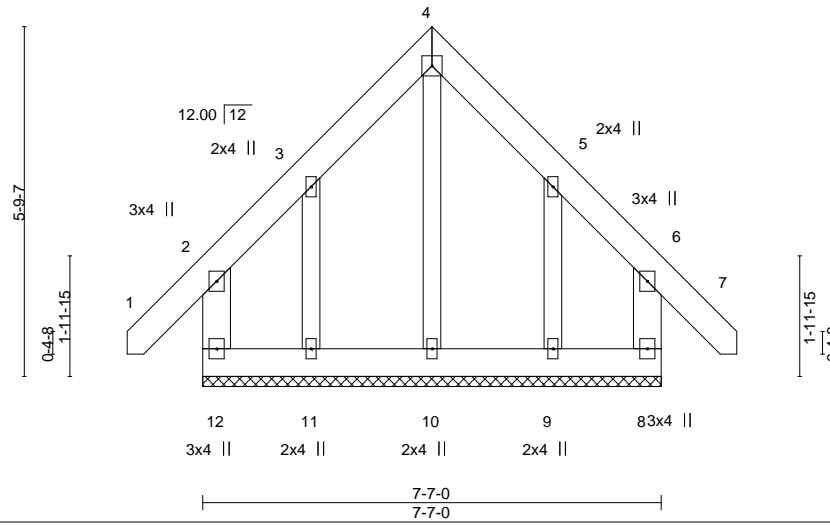
8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:39 2021 Page 1

ID:R7EDtGPNu6l0azoVd9V4PkzqTnE-GGEiG0cdNU7PxH1R7beB3BZog9aQU?PGXhZfNez_rVg



4x4 =

Scale = 1:38.1



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 0.06	Vert(LL)	-0.00	7	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	-0.00	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-R						Weight: 74 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x6 SP No.1
 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 6-0-0 oc bracing.

REACTIONS.

All bearings 7-7-0.
 (lb) - Max Horz 12=-147(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) except 12=-138(LC 13), 8=-132(LC 12), 11=-178(LC 12), 9=-174(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 12, 8, 10, 11, 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) gable end zone 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
- 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.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 12, 132 lb uplift at joint 8, 178 lb uplift at joint 11 and 174 lb uplift at joint 9.



July 6, 2021

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

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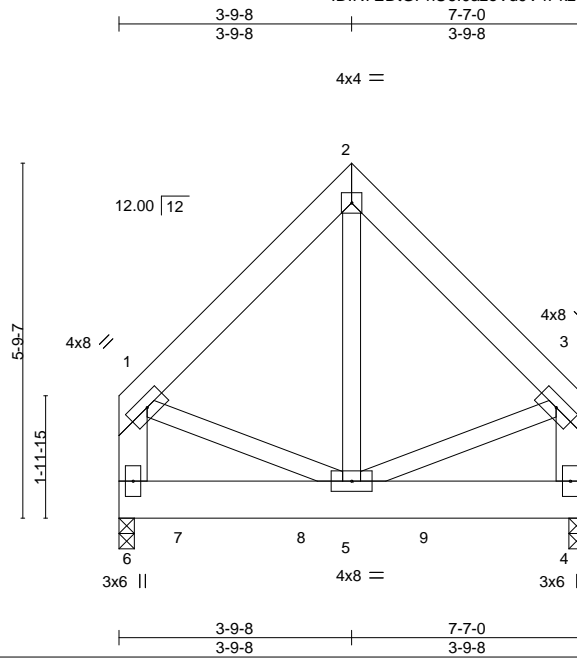
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906104
J0322-1076	E2	COMMON GIRDER	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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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	5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	-0.01	5-6	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 73 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SP No.2 *Except*
 1-6,3-4: 2x6 SP No.1

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=0-3-0, 4=0-3-0
 Max Horz 6=-85(LC 4)
 Max Uplift 6=-201(LC 9), 4=-186(LC 8)
 Max Grav 6=638(LC 1), 4=638(LC 1)

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

TOP CHORD 1-2=-396/148, 2-3=-396/148, 1-6=-450/137, 3-4=-450/137
 WEBS 2-5=-153/284, 1-5=-107/260, 3-5=-107/260

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); porch left and right exposed; 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 6 and 186 lb uplift at joint 4.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 196 lb down and 108 lb up at 1-0-12, 195 lb down and 109 lb up at 3-0-12, and 195 lb down and 109 lb up at 5-0-12, and 120 lb down and 52 lb up at 7-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-60, 2-3=-60, 4-6=-20
 Concentrated Loads (lb)
 Vert: 4=-120(B) 7=-196(B) 8=-195(B) 9=-195(B)



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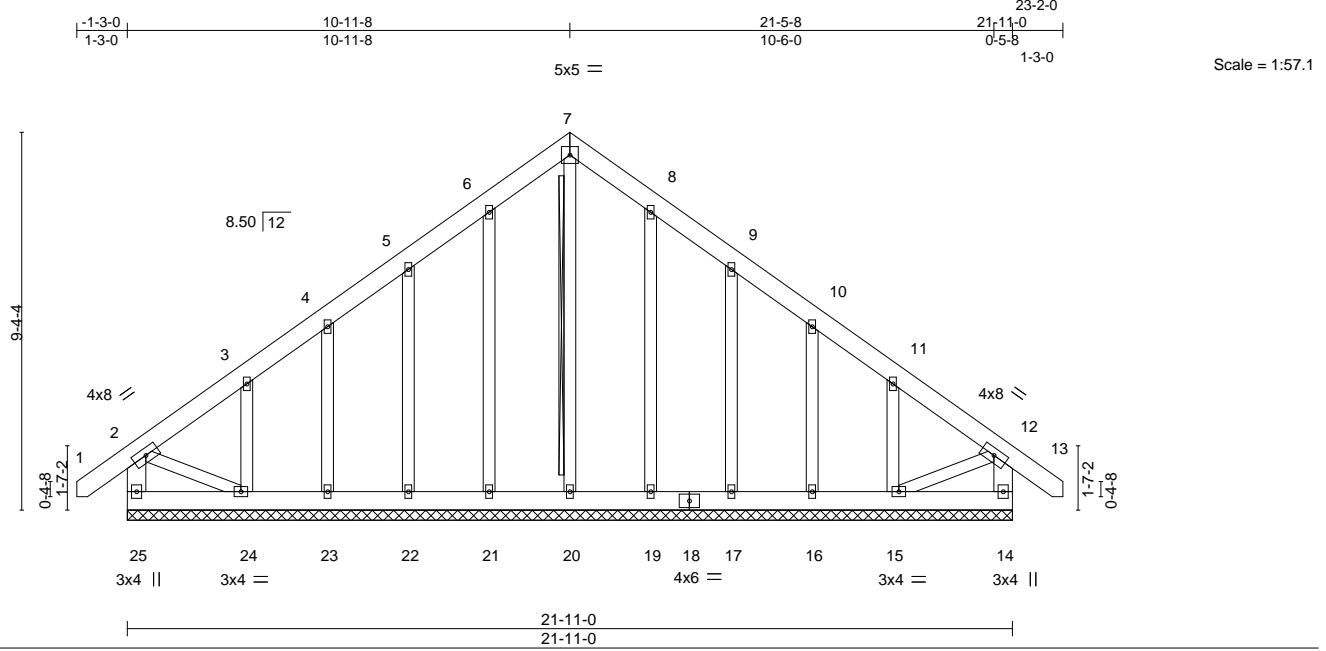


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906105
J0322-1076	G1-GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6I0azoVd9V4PkzqTnE-hrvru2eWgPVzoll0ojBuhpBJBNbFhLSjDfCK_zz_rVd



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.04	Vert(LL)	-0.00	12	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	13	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.00	14	n/a	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-S						Weight: 204 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.1 *Except*	T-Brace: 2x4 SPF No.2 - 7-20
12-15,2-24: 2x4 SP No.2	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.
OTHERS 2x4 SP No.2	Brace must cover 90% of web length.

REACTIONS. All bearings 21-11-0.
 (lb) - Max Horz 25=-256(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 14, 25, 21, 23, 19, 16 except 22=-103(LC 12), 24=-216(LC 12), 17=-105(LC 13), 15=-200(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 14, 20, 21, 22, 23, 19, 17, 16, 15 except 25=262(LC 20), 24=261(LC 19)

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) 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.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 25, 21, 23, 19, 16 except (jt=lb) 22=103, 24=216, 17=105, 15=200.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



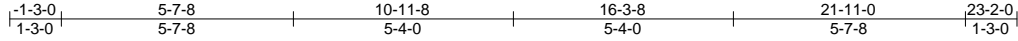
July 6, 2021

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906106
J0322-1076	G2	Common	5	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

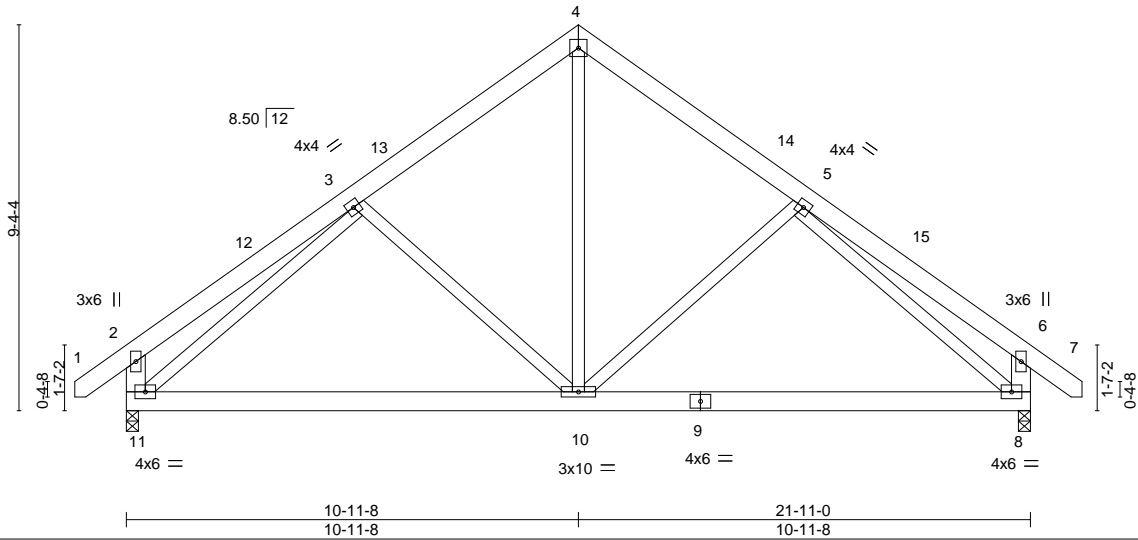
8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:43 2021 Page 1

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5x5 =

Scale = 1:55.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.12	Vert(LL) -0.06	8-10	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.13	8-10	>999	240			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.59	Horz(CT) 0.01	8	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.01	10	>999	240			
								Weight: 180 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 2-11,6-8: 2x6 SP No.1

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) 11=0-3-8, 8=0-3-8
 Max Horz 11=-205(LC 10)
 Max Uplift 11=-57(LC 12), 8=-57(LC 13)
 Max Grav 11=939(LC 1), 8=939(LC 1)

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

TOP CHORD 2-3=-370/166, 3-4=-801/258, 4-5=-801/258, 5-6=-370/166, 2-11=-413/239,
 6-8=-413/239
 BOT CHORD 10-11=-88/738, 8-10=-88/675
 WEBS 4-10=-124/590, 5-10=-266/210, 3-10=-266/210, 3-11=-676/129, 5-8=-676/129

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) -1-1-7 to 3-3-6, Interior(1) 3-3-6 to 10-11-8, Exterior(2) 10-11-8 to 15-4-5, Interior(1) 15-4-5 to 23-0-7 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 8.



July 6, 2021

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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



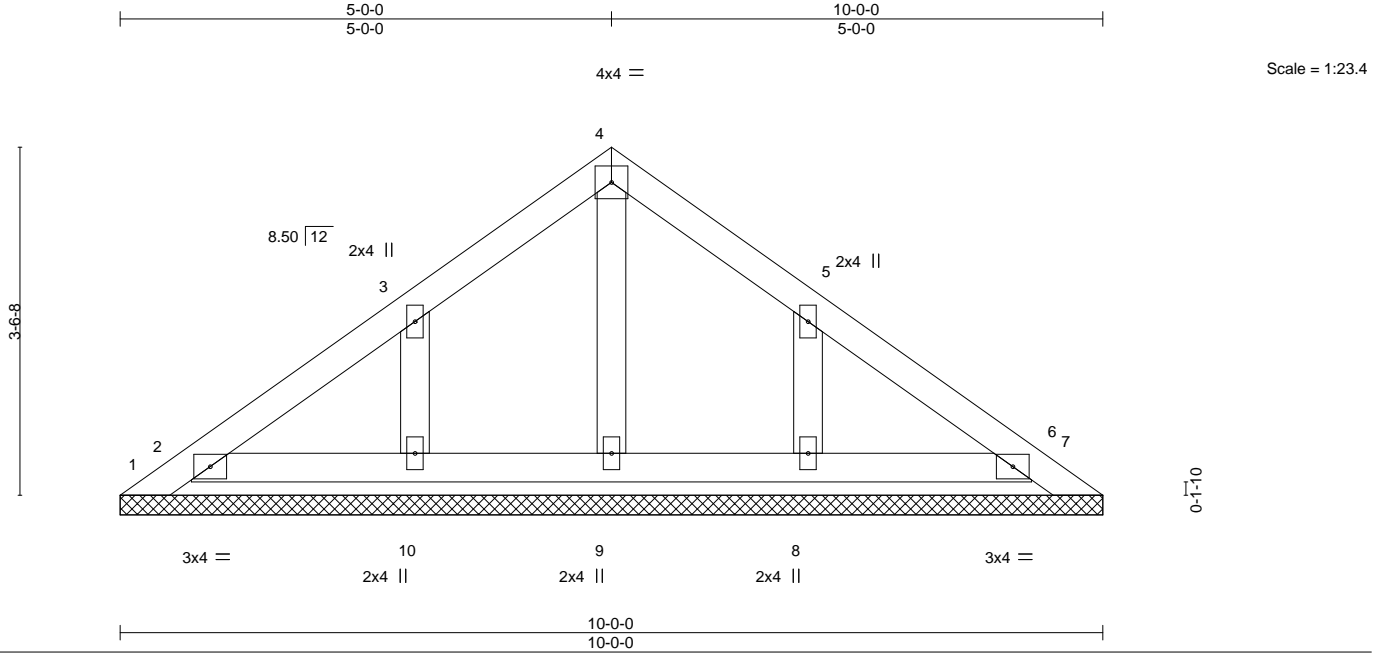
818 Soundside Road
 Edenton, NC 27932

Job J0322-1076	Truss PB1	Truss Type GABLE	Qty 2	Ply 1	Lot 38 Oak Haven Job Reference (optional)	E15906107
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Comtech, Inc., Fayetteville, NC - 28314,

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ID:R7EDtGPnU6lOazoVd9V4PkzqTnE-dD1bJkgmC1h12vPw8DMmEHfgAHf9HY?hzhQ2sz_rVb



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	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 0.03	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P		Weight: 39 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.

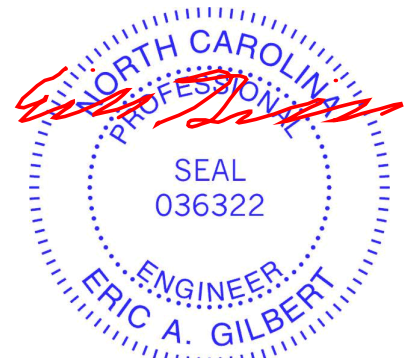
REACTIONS.

All bearings 10-0-0.
 (lb) - Max Horz 1=101(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 2, 6 except 10=112(LC 12), 8=111(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9, 10, 8

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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
- 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 2, 6 except (jt=lb) 10=112, 8=111.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



July 6, 2021

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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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



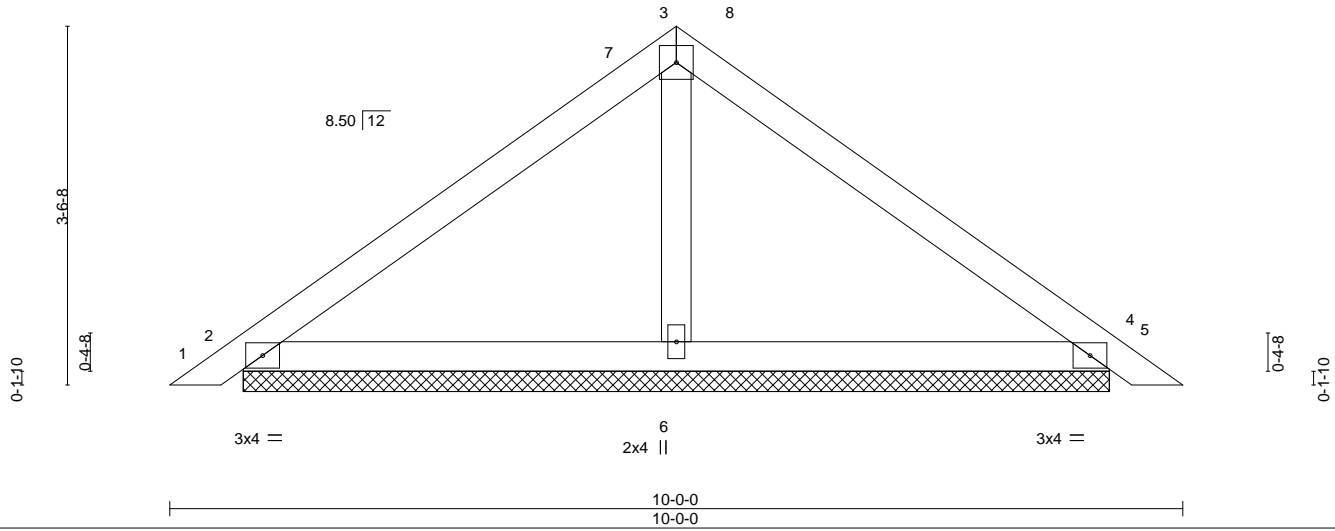
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906108
J0322-1076	PB2	PIGGYBACK	24	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:45 2021 Page 1
 ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-5QbzX4gOzKtYfCUbTrIbJSpm5abGuke9wdQ_biz_rVa
 10-0-0
 5-0-0

Scale = 1:22.7



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 0.14	Vert(LL) 0.01 5 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) 0.02 5 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
	Code IRC2015/TPI2014			Weight: 35 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.

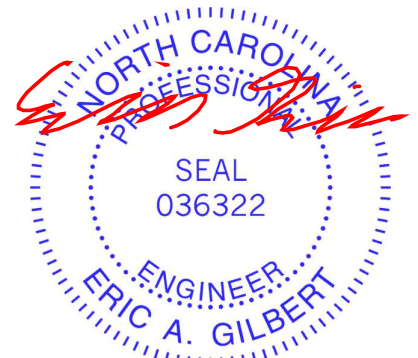
REACTIONS.

(size) 2=8-6-10, 4=8-6-10, 6=8-6-10
 Max Horz 2=-81(LC 10)
 Max Uplift 2=-37(LC 12), 4=-45(LC 13)
 Max Grav 2=219(LC 1), 4=219(LC 1), 6=303(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; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-0 to 4-7-13, Interior(1) 4-7-13 to 5-0-0, Exterior(2) 5-0-0 to 9-3-5, Interior(1) 9-3-5 to 9-9-0 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



July 6, 2021

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

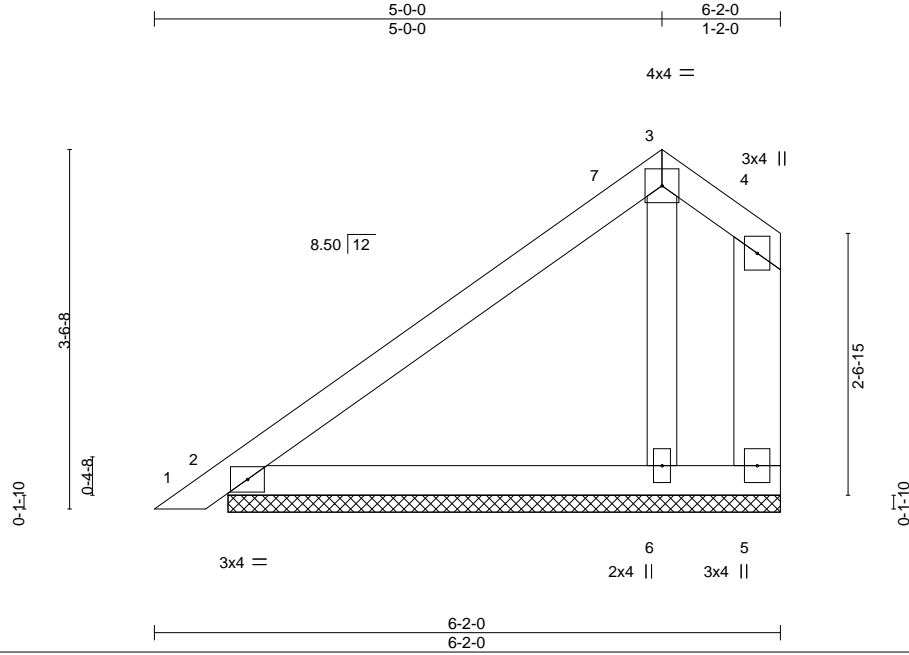


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906109
J0322-1076	PB3	PIGGYBACK	4	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:46 2021 Page 1
 ID:R7EDIGPnU6l0azoVd9V4PkzqTnE-Zc9MkPh0ke?PHM3o1ZGqrfMxl_xudB?I8HAX7kz_rVZ



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 0.11	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) 0.01 1 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 n/a n/a	Weight: 29 lb	FT = 20%
	Code IRC2015/TPI2014				

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

REACTIONS. (size) 5=5-5-5, 2=5-5-5, 6=5-5-5
 Max Horz 2=94(LC 12)
 Max Uplift 5=-53(LC 3), 2=-4(LC 12), 6=-8(LC 12)
 Max Grav 2=192(LC 1), 6=267(LC 19)

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) 0-3-0 to 4-7-13, Interior(1) 4-7-13 to 5-0-0, Exterior(2) 5-0-0 to 5-11-4 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

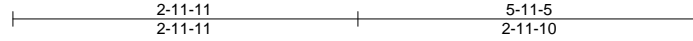


July 6, 2021

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906110
J0322-1076	PB4	PIGGYBACK	12	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:47 2021 Page 1
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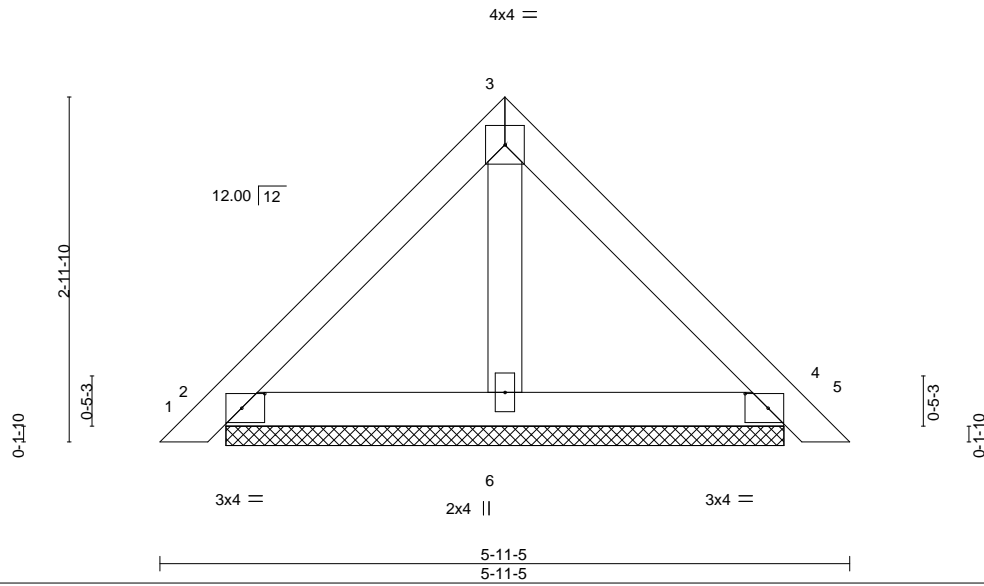


Plate Offsets (X,Y)--	[2:0-2-6,0-1-8], [4:0-2-6,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.10	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-P					Weight: 23 lb	FT = 20%

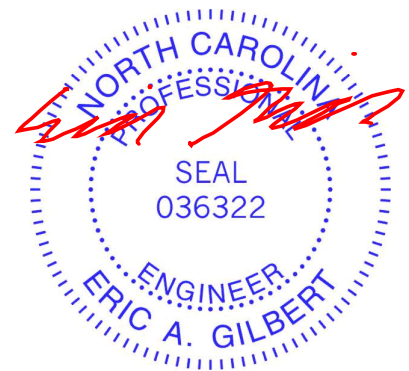
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=4-9-11, 4=4-9-11, 6=4-9-11
 Max Horz 2=83(LC 11)
 Max Uplift 2=-47(LC 13), 4=-54(LC 13)
 Max Grav 2=140(LC 1), 4=140(LC 1), 6=149(LC 3)

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) 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



July 6, 2021

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906111
J0322-1076	VA-1	GABLE	1	1		

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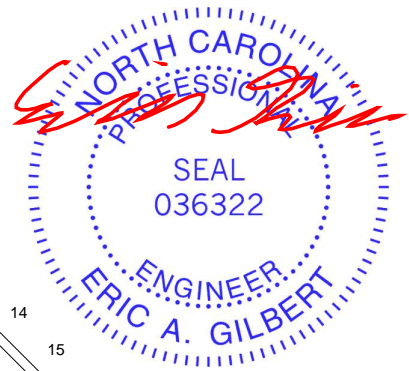
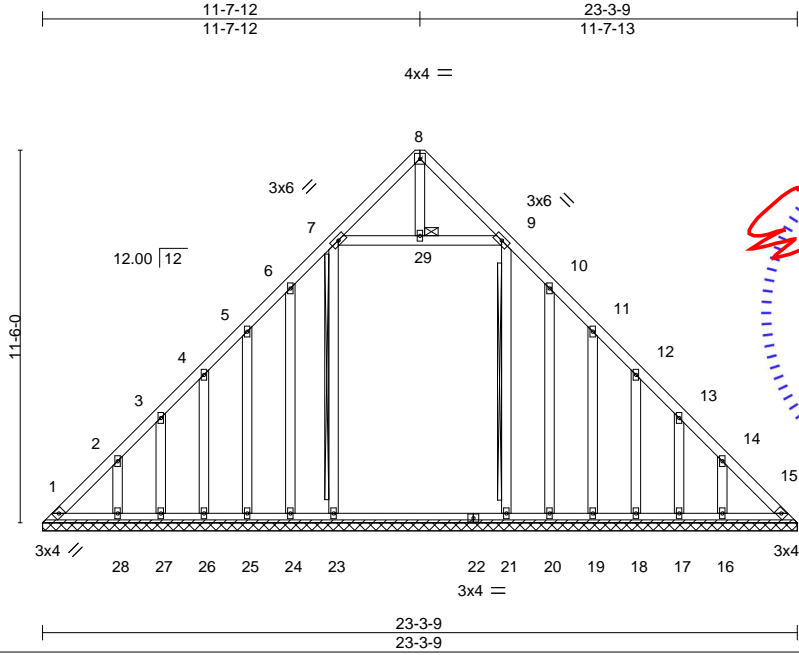


Plate Offsets (X,Y)-- [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0], [12:0-0-0,0-0-0], [13:0-0-0,0-0-0], [14:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.08	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.18	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.01	15	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 184 lb	FT = 20%

LUMBER-
 TOP CHORD 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 10-0-0 oc bracing.
 WEBS T-Brace: 2x4 SPF No.2 - 7-23, 9-21
 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.
JOINTS
 1 Brace at Jt(s): 29

REACTIONS. All bearings 23-3-9.
 (lb) - Max Horz 1=339(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 23, 24, 25, 26, 27, 20, 19, 18, 17 except 1=140(LC 10), 28=139(LC 12), 16=139(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 15, 24, 25, 26, 27, 28, 20, 19, 18, 17, 16 except 23=466(LC 19), 21=410(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-340/276, 2-3=-270/223, 5-6=-205/266, 6-7=-241/296, 14-15=-264/164

- 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) 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 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) 15, 23, 24, 25, 26, 27, 20, 19, 18, 17 except (jt=lb) 1=140, 28=139, 16=139.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

July 6, 2021

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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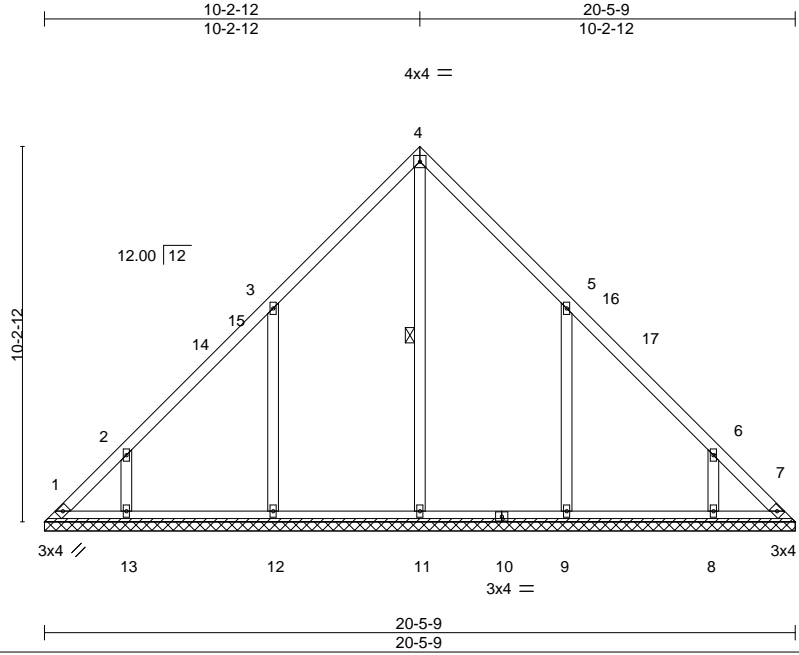
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906112
J0322-1076	VA-2	Valley	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:49 2021 Page 1

ID:R7EDtGPnU6I0azoVd9V4PkzqTnE-_BqUMRjv0ZO_8poMihpXTI_UXBy9qUUIqFOBk3z_rVW



Scale = 1:62.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.24	Horz(CT)	0.01	7	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						Weight: 108 lb	FT = 20%
	Code IRC2015/TPI2014								

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.
 WEBS 1 Row at midpt 4-11

REACTIONS.

All bearings 20-5-9.
 (lb) - Max Horz 1=-237(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 7 except 1=-107(LC 10), 12=-185(LC 12), 13=-135(LC 12), 9=-184(LC 13), 8=-135(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=372(LC 22), 12=460(LC 19), 13=294(LC 19), 9=460(LC 20), 8=294(LC 20)

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

TOP CHORD 1-2=-265/218
 WEBS 3-12=-406/309, 2-13=-310/256, 5-9=-406/309, 6-8=-310/256

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) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 10-2-12, Exterior(2) 10-2-12 to 14-7-9, Interior(1) 14-7-9 to 20-1-5 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 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) 7 except (jt=lb) 1=107, 12=185, 13=135, 9=184, 8=135.



July 6, 2021

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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

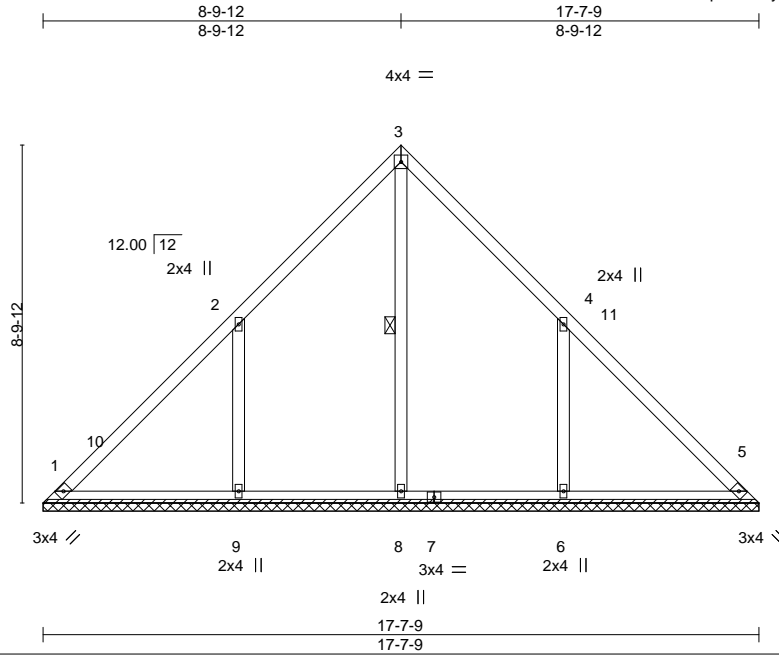


818 Soundside Road
 Edenton, NC 27932

Job J0322-1076	Truss VA-3	Truss Type Valley	Qty 1	Ply 1	Lot 38 Oak Haven Job Reference (optional)	E15906113
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Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:51 2021 Page 1
ID:R7EDtGPnU6i0azoVd9V4PkzqTnE-wayFn7i9YAeiN7xlq6r?Yj3pB?ekIPI1IzIloyz_rVU



Scale = 1:56.7

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 0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.13	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.15	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 87 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.
WEBS 1 Row at midpt 3-8

REACTIONS.

All bearings 17-7-9.

(lb) - Max Horz 1=203(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-214(LC 12), 6=-214(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=345(LC 22), 9=524(LC 19), 6=524(LC 20)

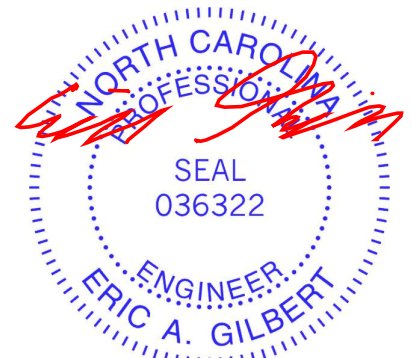
FORCES.

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

WEBS 2-9=-459/339, 4-6=-459/339

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) 0-4-4 to 4-9-12, Interior(1) 4-9-12 to 8-9-12, Exterior(2) 8-9-12 to 13-2-9, Interior(1) 13-2-9 to 17-3-5 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 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) 1 except (jt=lb) 9=214, 6=214.



July 6, 2021

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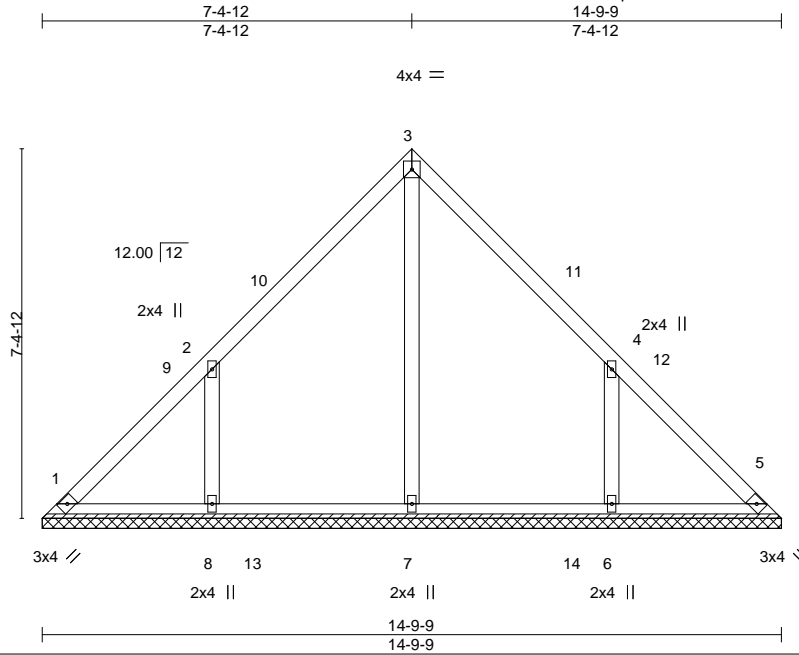


818 Soundside Road
Edenton, NC 27932

Job J0322-1076	Truss VA-4	Truss Type Valley	Qty 1	Ply 1	Lot 38 Oak Haven Job Reference (optional)	E15906114
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Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:52 2021 Page 1
ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-OmWd?TmnJUmZ?HWxOpNE5wc?zP_w1t7BXDdsKOz_rVT



Scale = 1:46.1

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 0.15	Vert(LL) n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.13	Vert(CT) n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT) 0.00	5	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S				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.

REACTIONS.

All bearings 14-9-9.

(lb) - Max Horz 1=-169(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-177(LC 12), 6=-177(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=345(LC 22), 8=418(LC 19), 6=418(LC 20)

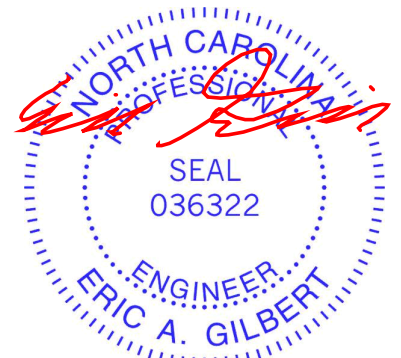
FORCES.

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

WEBS 2-8=-385/300, 4-6=-385/300

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) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 7-4-12, Exterior(2) 7-4-12 to 11-9-9, Interior(1) 11-9-9 to 14-5-5 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 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=177, 6=177.



July 6, 2021

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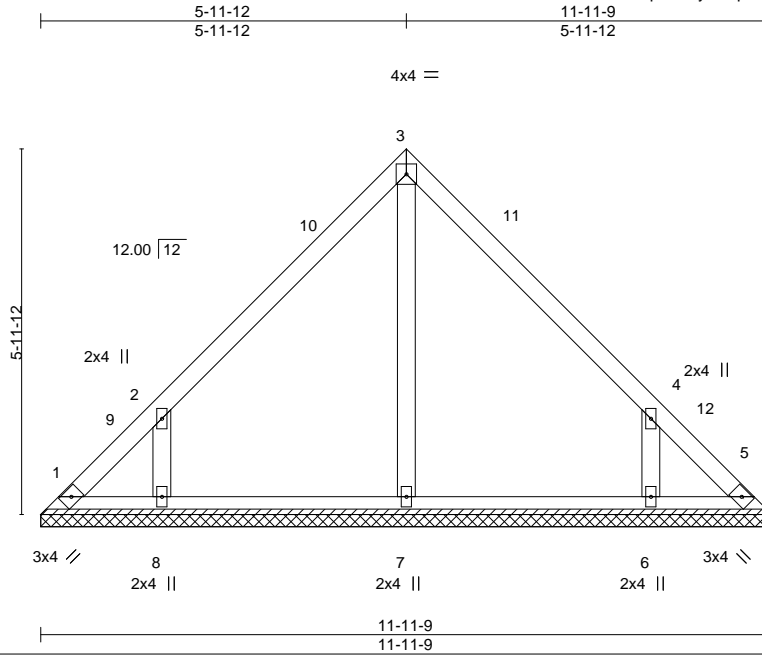
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906115
J0322-1076	VA-5	Valley	1	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:53 2021 Page 1

ID:R7EDtGpN0610azoVd9V4PkzqTnE-sy4?CpmP4ouPdR58xXuTd88AvoKqmK0KitMPtqz_rVS



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						Weight: 54 lb	FT = 20%
	Code IRC2015/TPI2014								

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.

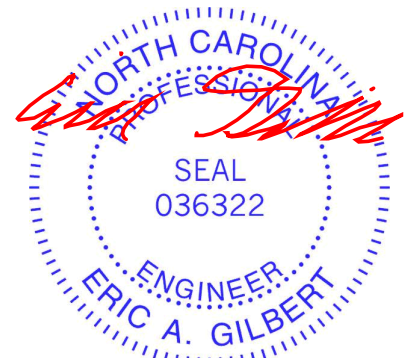
REACTIONS.

All bearings 11-11-9.
 (lb) - Max Horz 1=135(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-160(LC 12), 6=-160(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=338(LC 19), 6=338(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-356/296, 4-6=-356/296

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) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-11-12, Exterior(2) 5-11-12 to 10-4-9, Interior(1) 10-4-9 to 11-7-5 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=160, 6=160.



July 6, 2021

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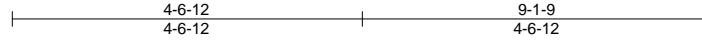
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906116
J0322-1076	VA-6	Valley	1	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

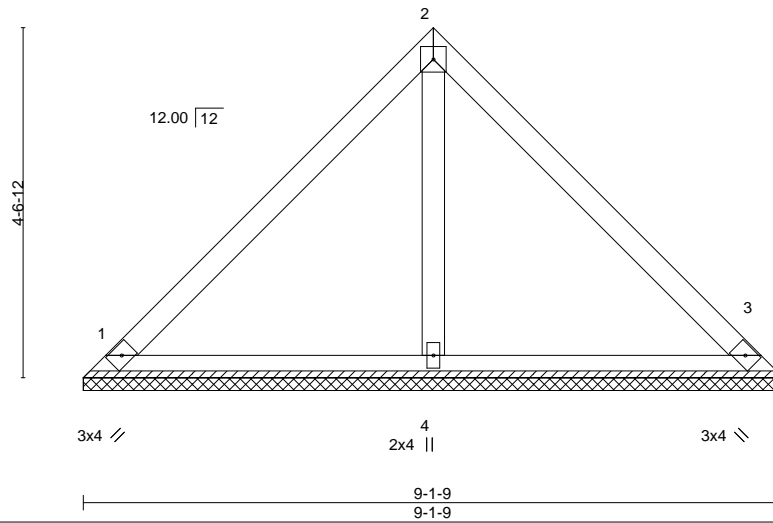
8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:53 2021 Page 1

ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-sy4?CpmP4ouPdR58xXuTd8893oJAmlLOKitMPtqz_rVS



4x4 =

Scale = 1:30.0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 37 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.

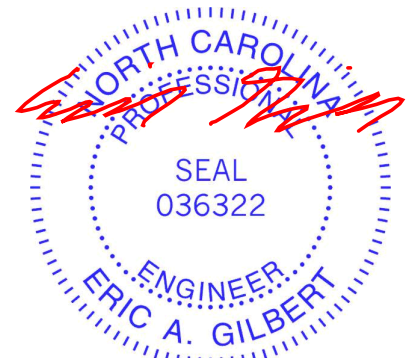
REACTIONS.

(size) 1=9-1-9, 3=9-1-9, 4=9-1-9
 Max Horz 1=-101(LC 8)
 Max Uplift 1=-25(LC 13), 3=-25(LC 13)
 Max Grav 1=191(LC 1), 3=191(LC 1), 4=292(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; 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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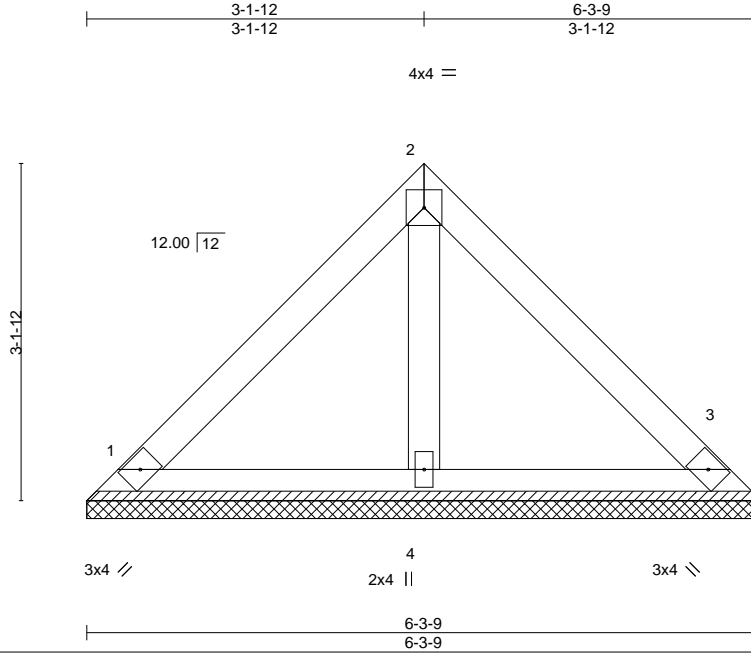
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906117
J0322-1076	VA-7	Valley	1	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

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ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-K8eNQ9n2r50GEbgKVEPiALhLqChZVoAU_X6yPGz_rVR



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 25 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.

(size) 1=6-3-9, 3=6-3-9, 4=6-3-9
 Max Horz 1=-67(LC 8)
 Max Uplift 1=-24(LC 13), 3=-24(LC 13)
 Max Grav 1=136(LC 1), 3=136(LC 1), 4=175(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; 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



July 6, 2021

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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

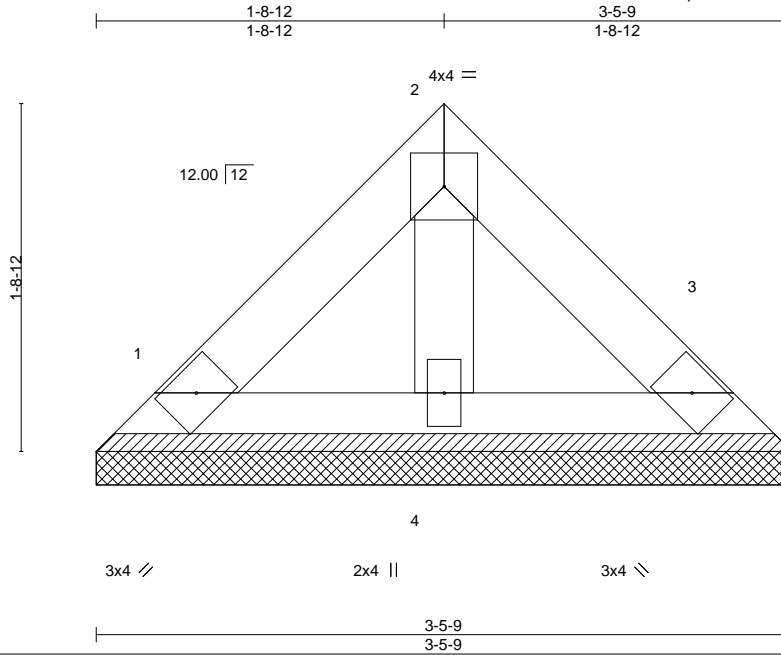


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906118
J0322-1076	VA-8	Valley	1	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:55 2021 Page 1
 ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-oLCldUogcP87skFW3ywxjZEX7c1UEFbdDBrWxjz_rVQ



Scale = 1:11.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.01	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 13 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 3-5-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=3-5-9, 3=3-5-9, 4=3-5-9
 Max Horz 1=33(LC 9)
 Max Uplift 1=12(LC 13), 3=12(LC 13)
 Max Grav 1=67(LC 1), 3=67(LC 1), 4=86(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; 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



July 6, 2021

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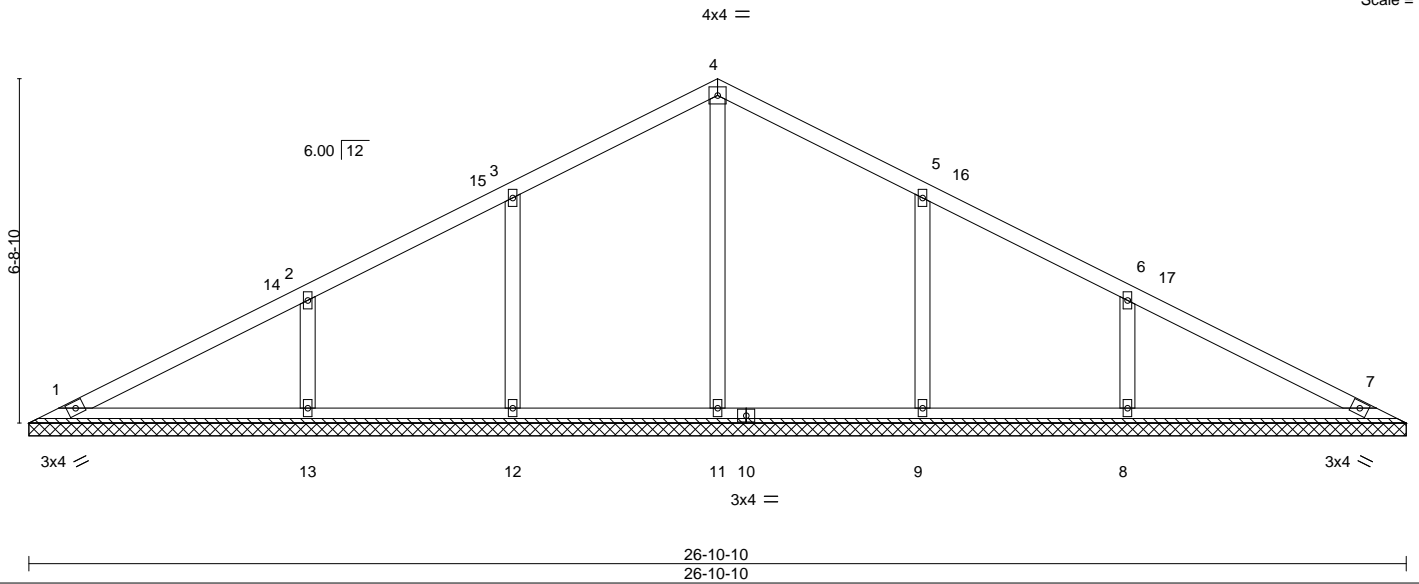
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906119
J0322-1076	VC-1	Valley	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:56 2021 Page 1
 ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-HXl7qqplNjG_UuqidfRAFmmf00LizghnRqb3U9z_rVP
 26-10-10
 13-5-5

Scale = 1:45.0



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 0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.14	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 111 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 26-10-10.

(lb) - Max Horz 1=83(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 13, 9, 8

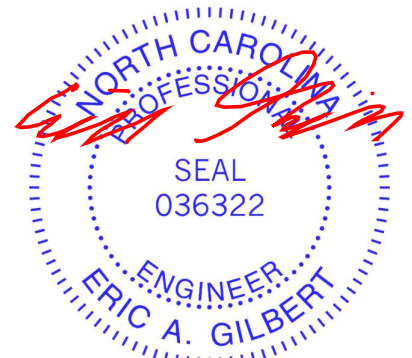
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=400(LC 19), 12=336(LC 19), 13=410(LC 1), 9=336(LC 20), 8=410(LC 1)

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

WEBS 2-13=297/214, 6-8=297/214

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-7 to 5-0-3, Interior(1) 5-0-3 to 13-5-5, Exterior(2) 13-5-5 to 17-10-2, Interior(1) 17-10-2 to 26-3-3 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) Gable requires continuous bottom chord bearing.
- 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 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 13, 9, 8.



July 6, 2021

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



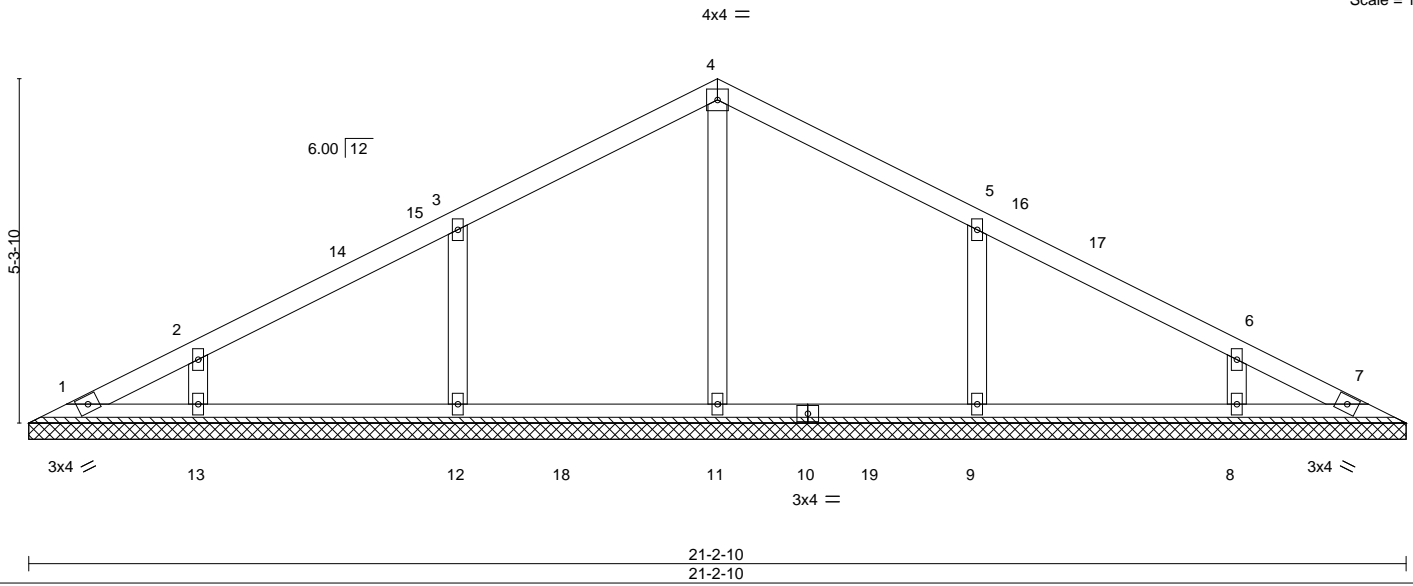
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906120
J0322-1076	VC-2	Valley	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:57 2021 Page 1
 ID:R7EDtGPNu6l0azoVd9V4PkzqTnE-ljJW2Aqw80Or52PvAMyPo_JreQiRi8twgUKc0bz_rVO
 21-2-10
 10-7-5

Scale = 1:35.5



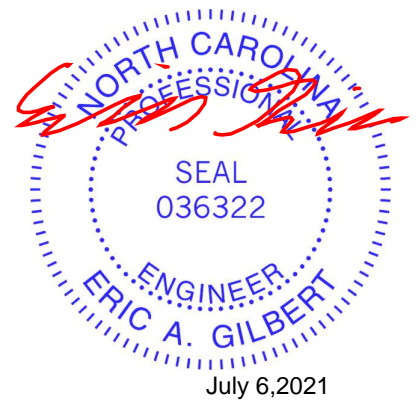
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.11	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 82 lb	FT = 20%

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

REACTIONS. All bearings 21-2-10.
 (lb) - Max Horz 1=65(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 13, 9, 8
 Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=358(LC 19), 12=350(LC 23), 13=268(LC 1), 9=350(LC 24), 8=268(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-12=268/201, 5-9=268/201

- 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) 0-7-7 to 5-0-3, Interior(1) 5-0-3 to 10-7-5, Exterior(2) 10-7-5 to 15-0-2, Interior(1) 15-0-2 to 20-7-3 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 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) 1, 12, 13, 9, 8.

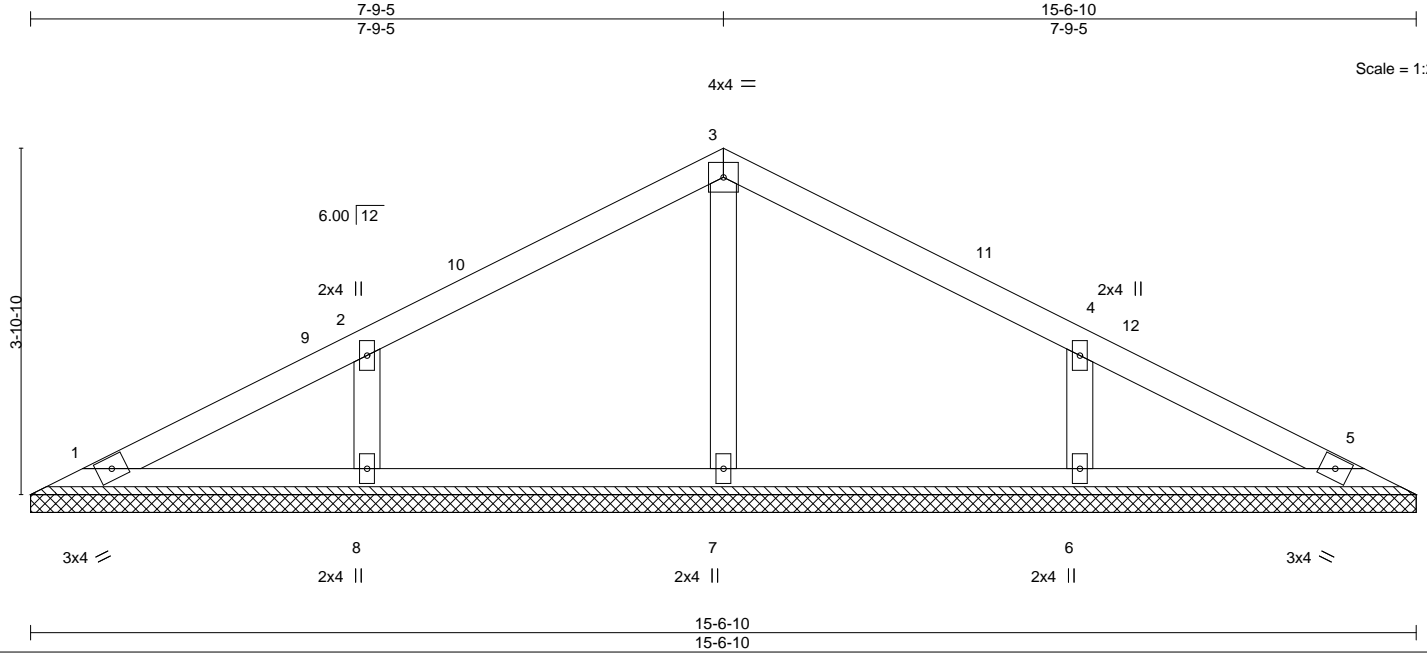


July 6, 2021

Job J0322-1076	Truss VC-3	Truss Type Valley	Qty 1	Ply 1	Lot 38 Oak Haven Job Reference (optional)	E15906121
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8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:58 2021 Page 1
ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-DwtuFWqYvKWijC_5k4UeKbs0bp28Rcj3v84AY2z_rVN



Scale = 1:25.9

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	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	5	n/a	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.

REACTIONS.

All bearings 15-6-10.

(lb) - Max Horz 1=-47(LC 10)

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=274(LC 1), 8=339(LC 23), 6=339(LC 24)

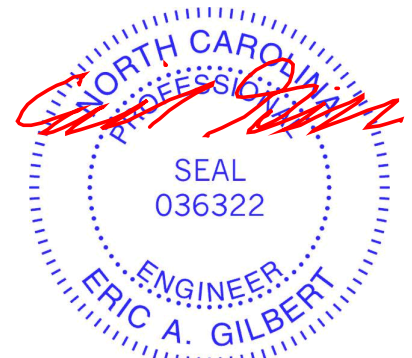
FORCES.

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

WEBS 2-8=-257/201, 4-6=-257/201

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) 0-7-7 to 5-0-3, Interior(1) 5-0-3 to 7-9-5, Exterior(2) 7-9-5 to 12-2-2, Interior(1) 12-2-2 to 14-11-3 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.



July 6, 2021

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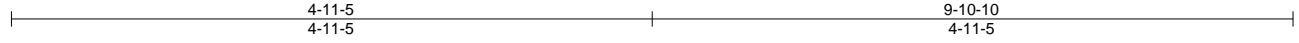
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906122
J0322-1076	VC-4	Valley	1	1		

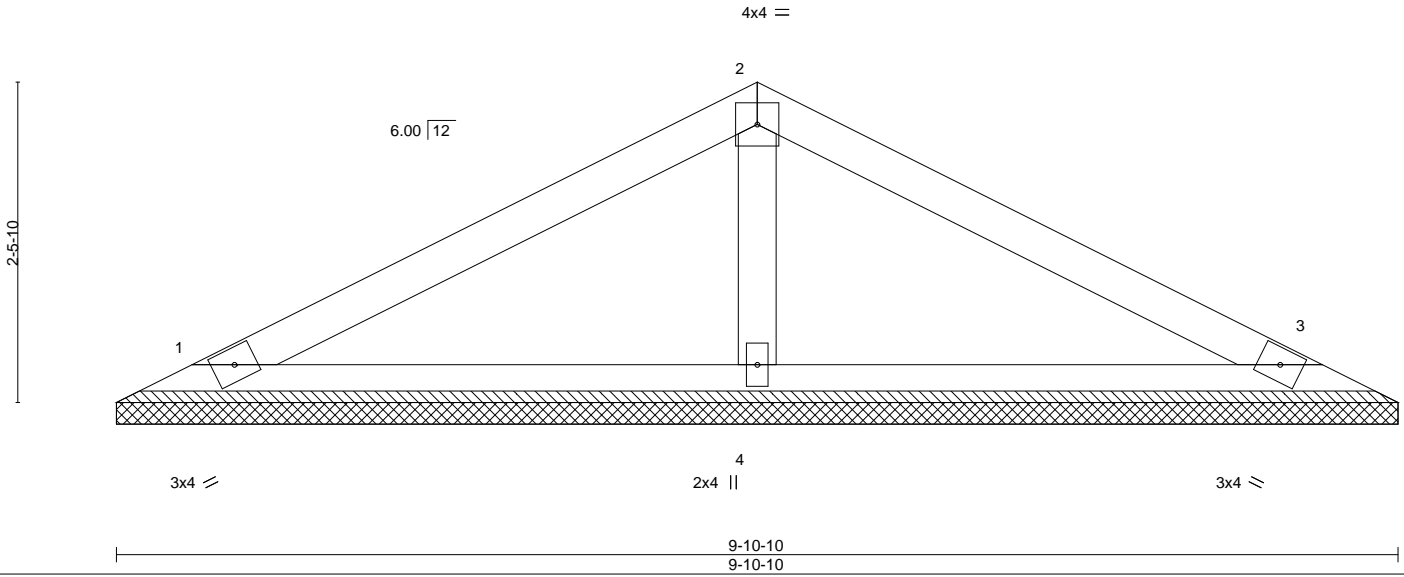
Comtech, Inc., Fayetteville, NC - 28314,

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:09:59 2021 Page 1

ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-h6RGtsrAgeeZLMZHln?ttPOBaDMWA39D8opj4Uz_rVM



Scale = 1:17.8



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.14	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						Weight: 32 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. (size) 1=9-10-10, 3=9-10-10, 4=9-10-10
Max Horz 1=28(LC 9)
Max Uplift 1=-21(LC 12), 3=-26(LC 13)
Max Grav 1=160(LC 23), 3=160(LC 24), 4=375(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; 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 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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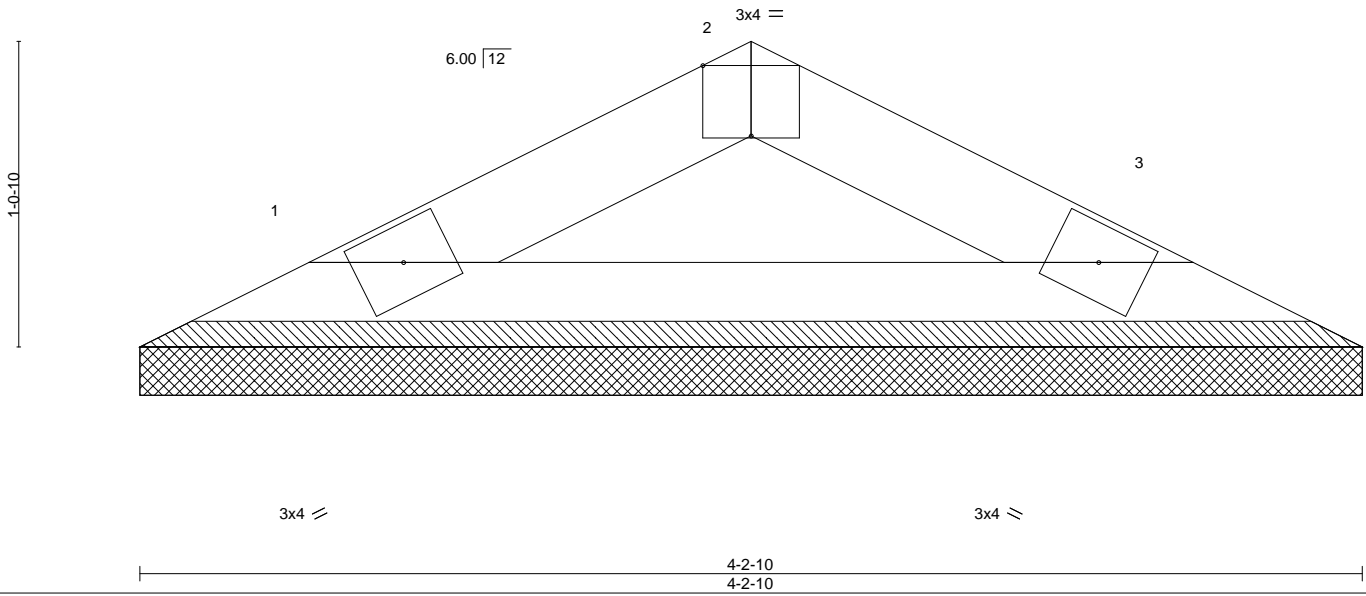


Job	Truss	Truss Type	Qty	Ply	Lot 38 Oak Haven	E15906123
J0322-1076	VC-5	Valley	1	1		

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8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Jul 6 08:10:00 2021 Page 1

ID:R7EDtGPnU6l0azoVd9V4PkzqTnE-9l?egCspRxmQyW7UsVW6QcxOndjfvWwMMSZHdwz_rVL



Scale: 1.5"=1'

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.03	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 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 11 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 4-2-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=4-2-10, 3=4-2-10
Max Horz 1=-10(LC 8)
Max Uplift 1=-7(LC 12), 3=-7(LC 13)
Max Grav 1=119(LC 1), 3=119(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; 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 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



July 6, 2021

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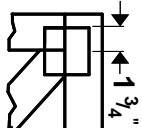
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



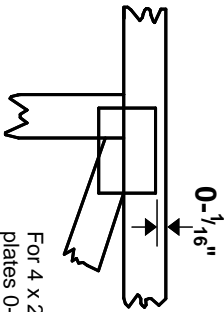
818 Soundside Road
Edenton, NC 27932

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

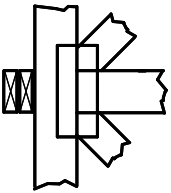
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



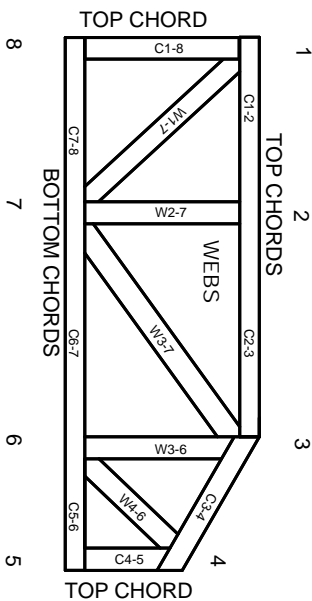
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: 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/TPI 1 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/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 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. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.