



RE: J0822-4079

Maria Garcia Residence

Trenco

818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Lot/Block: Project Name: J0822-4079

Model:

Address:

Subdivision:

City:

State:

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

Design Code: C2015/TPI2014

Design Program: Tek 20/20 8.4

Wind Code: CE 7-10 Roof Load: 0 psf Wind Speed: 0 mph Floor Load: A psf

This package includes 37 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	153614031	A01	8/12/2022	21	153614051	B1	8/12/2022
2	153614032	A02	8/12/2022	22	153614052	B2	8/12/2022
3	153614033	A03	8/12/2022	23	153614053	B3	8/12/2022
4	153614034	A04	8/12/2022	24	153614054	C1	8/12/2022
5	153614035	A05	8/12/2022	25	153614055	C2	8/12/2022
6	153614036	A06	8/12/2022	26	153614056	C3	8/12/2022
7	153614037	A07	8/12/2022	27	153614057	CJ06	8/12/2022
8	153614038	A08	8/12/2022	28	153614058	D1	8/12/2022
9	153614039	A09	8/12/2022	29	153614059	J02	8/12/2022
10	153614040	A10	8/12/2022	30	153614060	J04	8/12/2022
11	153614041	A11	8/12/2022	31	153614061	VB01	8/12/2022
12	153614042	A12	8/12/2022	32	153614062	VB02	8/12/2022
13	153614043	A13	8/12/2022	33	153614063	VC01	8/12/2022
14	153614044	A14	8/12/2022	34	153614064	VC02	8/12/2022
15	153614045	A15	8/12/2022	35	153614065	VC03	8/12/2022
16	153614046	A16	8/12/2022	36	153614066	VC04	8/12/2022
17	153614047	A17	8/12/2022	37	153614067	VC05	8/12/2022
18	153614048	A18	8/12/2022				
19	153614049	A19	8/12/2022				
20	153614050	A20	8/12/2022				

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.



300	iiuss	Truss Type	Qty	Ply	Mana Garcia Residence
J0822-4079	A01	HIP GIRDER	1	3	Job Reference (optional)
Comtech, Inc, Fayette	ville, NC - 28314,			3.430 s Jan	6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:37 2022 Page 1 uz9d7e-J2odZQ DpFSrFLCCFTABcTggsTwAmrD3F4APxFyoyA4

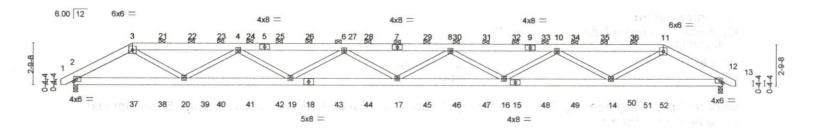
Scale = 1:78.1

44-10-8

0-10-8

44-0-0

4-0-0



	 	7-6-5 7-6-5	14-9-3 7-2-13	+	22-0-0 7-2-13		2-13	+		36-5-11 7-2-13	44-0-0 7-6-5	
LOADING TCLL TCDL	G (psf) 20.0 10.0	SPACING- Plate Grip DC Lumber DOL	2-0-0 DL 1.15 1.15	CSI. TC BC	0.13 0.26	DEFL. Vert(LL) Vert(CT)	in -0.27 -0.54	(loc) 17	l/defl >999 >978	L/d 360 240	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress In Code IRC20	cr NO	WB Matrix	0.27	Horz(CT) Wind(LL)	0.09	12 17	n/a >999	n/a 240	Weight: 820 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP 2400F 2.0E **BOT CHORD** 2x6 SP 2400F 2.0E

4-0-0

2x4 SP No.2 WEBS

(size) 2=0-3-8, 12=0-3-8

Max Horz 2=31(LC 7)

Max Uplift 2=-484(LC 5), 12=-483(LC 4) Max Grav 2=2603(LC 1), 12=2600(LC 1)

11-2-6

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD 2-3=-4538/953, 3-4=-6649/1287, 4-6=-10331/2039, 6-8=-11599/2284, 8-10=-10331/2039,

10-11=-6648/1286, 11-12=-4535/951 **BOT CHORD** 2-20=-815/3878, 19-20=-1880/8994, 17-19=-2357/11428, 16-17=-2349/11429,

14-16=-1856/8993, 12-14=-783/3875

WEBS 3-20=-543/3326, 4-20=-2793/746, 4-19=-169/1607, 6-19=-1311/417, 6-17=0/393,

8-17=0/393, 8-16=-1312/418, 10-16=-169/1608, 10-14=-2793/746, 11-14=-544/3328

NOTES-

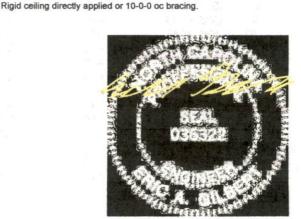
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) 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.

3) Unbalanced roof live loads have been considered for this design.

- 4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 4x4 MT20 unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 484 lb uplift at joint 2 and 483 lb uplift at joint 12
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 3-11.

August 12,2022



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

ANSITP11 Quality Criteria, DSB-89 and BCSI Building Comp Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

Job 1	Tuss	Truss Type	Qty	Ply	Maria Garcia Residence	153614031
J0822-4079	A D1	HIP GIRDER	1	3	Job Reference (optional)	100014001

Comtech, Inc.

Fayetteville, NC - 28314,

8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:38 2022 Page 2 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-nFM?nm?raZaitVmOoBhQ8gNrbsGPVITCUkwzThyoyA3

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 67 lb down and 73 lb up at 4-0-0, 48 lb down and 73 lb up at 5-11-4, 48 lb down and 73 lb up at 7-11-4, 48 lb down and 73 lb up at 17-11-4, 48 lb down and 73 lb up at 17-11-4, 48 lb down and 73 lb up at 17-11-4, 48 lb down and 73 lb up at 17-11-4, 48 lb down and 73 lb up at 17-11-4, 48 lb down and 73 lb up at 23-11-4, 48 lb down and 73 lb up at 23-11-4, 48 lb down and 73 lb up at 25-11-4, 48 lb down and 73 lb up at 27-11-4, 48 lb down and 73 lb up at 23-11-4, 48 lb down and 73 lb up at 31-11-4, 48 lb down and 73 lb up at 33-11-4, 48 lb down and 73 lb up at 35-11-4, and 48 lb down and 73 lb up at 37-11-4, and 67 lb down and 73 lb up at 40-0-0 on top chord, and 194 lb down and 62 lb up at 40-0, 36 lb down at 5-11-4, 36 lb down at 7-11-4, 36 lb down at 19-11-4, 36 lb down at 19-11-4, 36 lb down at 27-11-4, 36 lb down at 19-11-4, 36 lb down at 33-11-4, 36 lb down at 33-11-4,

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-11=-60, 11-13=-60, 2-12=-20

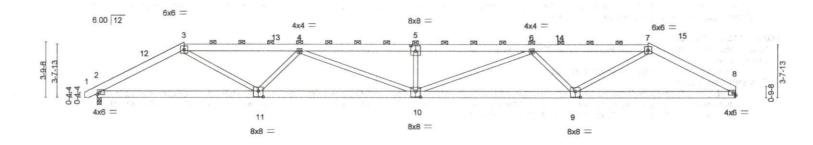
Concentrated Loads (lb)

Vert: 3=-48(F) 7=-48(F) 11=-48(F) 18=-18(F) 17=-18(F) 15=-18(F) 21=-48(F) 22=-48(F) 23=-48(F) 24=-48(F) 25=-48(F) 26=-48(F) 27=-48(F) 28=-48(F) 29=-48(F) 30=-48(F) 31=-48(F) 32=-48(F) 32=-48(F) 33=-48(F) 34=-48(F) 35=-48(F) 36=-48(F) 37=-194(F) 38=-18(F) 49=-18(F) 41=-18(F) 42=-18(F) 42=-18(F) 42=-18(F) 43=-18(F) 44=-18(F) 44=-18(F) 45=-18(F) 4



300	Huss	riuss rype	Qty Ply	Maria Garcia Residence	
J0822-4079	A02	HIP	1 1		153614032
				Job Reference (optional)	- 14
Comtech, Inc, Fayette	ville, NC - 28314,		8.430 s Ja	an 6 2022 MiTek Industries, Inc. Thu Aug	11 10:23:39 2022 Page 1
			1bgDGdJxcQYaNEf0	CgBuz9d7e-FRwO_60ULsiZUfLbMuCfhuv	_cGb9EhsMjOfW07yoyA2
-0 ₁ 0 ₁ 8 6	-0-0 1 14-0-	0 22-0-0	30-0-0	38-0-0	44-0-0
0-10-8	-0-0 8-0-0	8-0-0	8-0-0	8-0-0	6-0-0

Scale = 1:79.5



	1	11-1-12	1	2	2-0-0	1		32-10-4		1	44-0-0	1
		11-1-12	-	10	-10-4			10-10-4			11-1-12	
Plate Offse	ets (X,Y)-	[3:0-0-0,0-0-0], [5:0-4-0,0)-4-8], [7:0-0-0	,0-0-0], [9:0-4	-0,0-4-12],	[10:0-4-0,0-4-12], [11:0-4-	0,0-4-12	2]			
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.33	10	>999	360	MT20	244/190
CDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.67	10-11	>784	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.13	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TR	PI2014	Matrix	c-S	Wind(LL)	0.26	10	>999	240	Weight: 270 lb	FT = 20%

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-15 oc purlins,

except

2-0-0 oc purlins (4-0-8 max.): 3-7.

BOT CHORD Rigid ceiling directly applied or 9-7-4 oc bracing

REACTIONS. (size) 8=Mechanical, 2=0-3-8

2x6 SP 2400F 2.0E

2x6 SP 2400F 2.0E

2x4 SP No.2

Max Horz 2=43(LC 9)

Max Uplift 8=-127(LC 8), 2=-132(LC 9) Max Grav 8=1751(LC 1), 2=1804(LC 1)

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

TOP CHORD 2-3=-3164/807, 3-4=-4486/1031, 4-5=-6084/1415, 5-6=-6084/1415, 6-7=-4514/1056,

7-8=-3195/835

BOT CHORD 2-11=-606/2719, 10-11=-1140/5264, 9-10=-1174/5284, 8-9=-637/2755

WEBS 3-11=-324/2119, 4-11=-1199/416, 4-10=-138/921, 5-10=-451/215, 6-10=-129/901,

6-9=-1189/410, 7-9=-312/2111

NOTES-

LUMBER-

WEBS

TOP CHORD

BOT CHORD

loh

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 6-0-0, Exterior(2) 6-0-0 to 12-2-11, Interior(1) 12-2-11 to 38-0-0, Exterior(2) 38-0-0 to 43-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 8 and 132 lb uplift at joint 2.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 12,2022



Job Truss Truss Type Qty Ply Maria Garcia Residence 153614033 J0822-4079 HIP A03 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:40 2022 Page 1 Favetteville, NC - 28314 Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-kdUmCS066AqQ6pwnwcjuE5S4igtCz7ZVx2P3YayoyA1 -0-10-8 0-10-8 15-0-0 22-0-0 29-0-0 36-0-0 44-0-0 8-0-0 7-0-0 7-0-0 7-0-0 8-0-0 Scale = 1:79.5 6x6 = 8x8 = 4x4 = 4x4 = 6.00 12 6x6 = 6 16 4 4-7-13 19 5x5 = 11 4x6 = 13 12 10 9 4x8 = 4x4 = 6x8 = 5x8 = 11-1-12 22-0-0 32-10-4 44-0-0 11-1-12 11-1-12 10-10-4 10-10-4

Plate Off	sets (X,Y)-	[2:0-0-0,0-1-11], [3:0-0-0	,0-0-0], [5:0-4-	0,0-4-8], [7:0	0-0-0,0-0-0]								
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L∕d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.25	11	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.51	9-11	>999	240		T. G. 17. G. 70. T.	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.14	8	n/a	n/a			
BCDL	10.0	Code IRC2015/TI	PI2014	Matri	x-S	Wind(LL)	0.19	11	>999	240	Weight: 272 lb	FT = 20%	3

BRACING-

TOP CHORD

BOT CHORD

except

2-0-0 oc purlins (3-5-14 max.): 3-7.

LUMBER-

TOP CHORD 2x6 SP No.1

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

REACTIONS. (size) B=Mechanical, 2=0-3-8

Max Horz 2=56(LC 9)

Max Uplift B=-104(LC 8), 2=-109(LC 9) Max Grav B=1751(LC 1), 2=1804(LC 1)

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

TOP CHORD 2-3=-3121/778, 3-4=-3429/854, 4-5=-4639/1133, 5-6=-4639/1133, 6-7=-3450/854,

7-8=-3143/787 **BOT CHORD** 2-13=-580/2673, 11-13=-883/4130, 9-11=-899/4143, 8-9=-571/2700

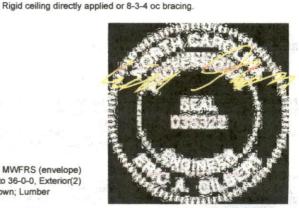
WEBS 3-13=-165/1308, 4-13=-1098/357, 4-11=-71/643, 5-11=-407/195, 6-11=-66/629,

6-9=-1088/349, 7-9=-155/1302

NOTES-

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult= 30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8 10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2) 8-0-0 to 14-2-11, Interior(1) 14-2-11 to 36-0-0, Exterior(2) 36-0-0 to 42-2-11, Interior(1) 42-2-11 to 43-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical conhection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 8 and 109 lb uplift at joint 2
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 3-9-14 oc purlins,

August 12,2022

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ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Comp Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road Edenton, NC 27932

Truss	Truss	Truss	Qty	Ply	Maria Garcia Residence	153614034
J0822-4079	A04	HIP	1	1	Job Reference (optional)	
Comtech, Inc,	Fayetteville, NC - 28314,	8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11:10:23:41 2022 Page 1				
ID:Onr1bgDGdJxcQYaNEfCgBuz9d7e-Cq28Po1ktUyHkyVzUJE7mJ?IT4BEiamfAi8d40yoyA0						

26-0-0

34-0-0

8-0-0

38-9-14

4-9-14

Structural wood sheathing directly applied or 4-3-2 oc purlins, except

2-0-0 oc purlins (3-11-3 max.): 4-8.

18-0-0

8-0-0

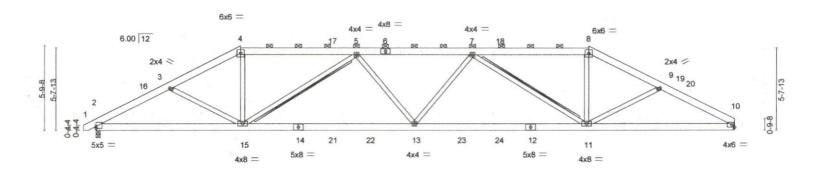
10-0-0

4-9-14

Scale = 1:79.5

44-0-0

5-2-2



	1	10-0-0	1	22-0	0-0		34	4-0-0	1	44-0-0	1	
		10-0-0		12-0	0-0		12	2-0-0	-	10-0-0		
Plate Off	fsets (X,Y)-	[2:0-0-0,0-1-11], [4:0-0-0	,0-0-0], [8:0-0-	-0,0-0-0]				10.			<u> </u>	0, 1
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (lo	c) I/def	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.22 11-	13 >999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.45 11-	13 >999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.13	10 n/a	n/a			
BCDL	10.0	Code IRC2015/TF	PI2014	Matrix	c-S	Wind(LL)	0.14	13 >999	240	Weight: 290 lb	FT = 20%	

LUMBER- BRACING-

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

WEBS 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 8-11-5 oc bracing.
WEBS T-Brace: 2x4 SPF No.2 - 5-15, 7-11

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.

Max Grav 10=1751(LC 1), 2=1804(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-3123/835, 3-4=-2963/751, 4-5=-2636/730, 5-7=-3695/932, 7-8=-2654/729,

8-9=-2983/750, 9-10=-3162/841

(size) 10=Mechanical, 2=0-3-8

Max Uplift 10=-79(LC 8), 2=-84(LC 9)

BOT CHORD 2-15=-670/2657, 13-15=-757/3602, 11-13=-764/3608, 10-11=-669/2704

WEBS 4-15=-123/920, 5-15=-1242/351, 5-13=0/303, 7-13=0/296, 7-11=-1230/345,

8-11=133/929

Max Horz 2=69(LC 9)

NOTES-

REACTIONS.

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-0-0, Exterior(2) 10-0-0 to 16-2-11, Interior(1) 16-2-11 to 34-0-0, Exterior(2) 34-0-0 to 40-2-11, Interior(1) 40-2-11 to 43-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

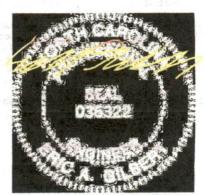
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Refer to girder(s) for truss to truss connections.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 10 and 84 lb uplift at joint 2.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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



818 Soundside Road

Job Truss Type Qty Ply Maria Garcia Residence 153614035 J0822-4079 405 HIP 1 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:42 2022 Page 1 Favetteville, NC - 28314 Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-g0bWd82Mdn48L64A10IMJWXUoUYLR4QoPMuAdSyoyA? 32-0-0 37-9-14 -0-10-8 12-0-0 18-8-0 25-4-0 0-10-8 6-8-0 6-8-0 5-9-14 6-2-2 Scale = 1:79.5 4x4 = 6x6 = 4x8 = 4x4 = 6x6 = 5 17 7 18 6.00 12 2x4 > 2x4 / 9 6-7-13 10 9-6-0 23 20 21 13 22 12 14 5x5 = 15 11 4x6 = 5x8 = 4x4 = 5x8 = 4x8 = 4x8 = 12-0-0 22-0-0 32-0-0 44-0-0 12-0-0 10-0-0 10-0-0 12-0-0 Plate Offsets (X,Y)-[2:0-0-0,0-1-11], [4:0-0-0,0-0-0], [8:0-0-0,0-0-0] LOADING (psf) SPACING-PLATES GRIP 2-0-0 CSL DEFL in (loc) I/defl L/d TCLL 20.0 Plate Grip DOL 1.15 TC 0.24 Vert(LL) -0.19 11-13 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.58 Vert(CT) -0.35 10-11 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.40 Horz(CT) 0.11 10 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 FT = 20% Matrix-S Wind(LL) 0.11 13 >999 240 Weight: 297 lb LUMBER-BRACING-TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins, except BOT CHORD 2x6 SP No.1 2-0-0 oc purlins (4-3-14 max.): 4-8. 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 9-5-7 oc bracing. WEBS T-Brace: 2x4 SPF No.2 - 5-15, 7-11 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length. REACTIONS. (size) 10=Mechanical, 2=0-3-8 Max Horz 2=82(LC 9) Max Uplift 10=-53(LC 8), 2=-57(LC 9) Max Grav 10=1751(LC 1), 2=1804(LC 1) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-3115/839, 3-4=-2838/730, 4-5=-2495/717, 5-7=-3187/841, 7-8=-2508/715, 8-9=-2852/729, 9-10=-3146/845

BOT CHORD 2-15=-666/2667, 13-15=-604/3081, 11-13=-607/3085, 10-11=-667/2704

WEBS 4-15=-130/927, 5-15=-890/261, 5-13=0/278, 7-13=0/270, 7-11=-880/257, 8-11=-139/933,

9-11=-257/258

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp. C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 12-0-0, Exterior(2) 12-0-0 to 18-2-11, Interior(1) 18-2-11 to 32-0-0, Exterior(2) 32-0-0 to 38-0-15, Interior(1) 38-0-15 to 43-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 10 and 57 lb uplift at joint 2.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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



818 Soundside Road Edenton, NC 27932

30-0-0

8-0-0

22-0-0

8-0-0

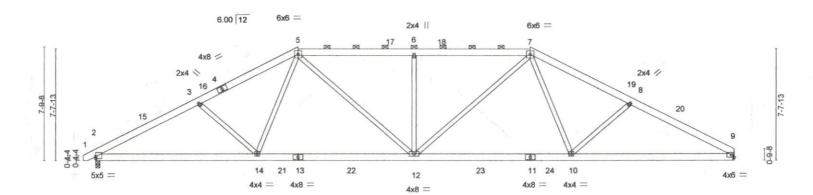
Scale = 1:79.5

44-0-0

7-2-2

36-9-14

6-9-14



	1	11-2-2		22-0-0		32-9-14			44-0-0		
	1	11-2-2		10-9-14		10-9-14			11-2-2		
Plate Offse	ets (X,Y)-	[2:0-0-0,0-1-11]							AND BUILDING	12/2012	D. NE
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC 0.30	Vert(LL)	-0.22 10-12	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC 0.59	Vert(CT)	-0.37 10-12	>999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.50	Horz(CT)	0.10 9	n/a	n/a	la a disease of		
BCDL	10.0	Code IRC2015/T	PI2014	Matrix-S	Wind(LL)	0.10 12	>999	240	Weight: 295 lb	FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.2

REACTIONS. (size) 9=Mechanical 2=0-3-8

Max Horz 2=95(LC 9)

Max Uplift 9=-59(LC 13), 2=-70(LC 12) Max Grav 9=1751(LC 1), 2=1804(LC 1)

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

TOP CHORD 2-3=-3190/810, 3-5=-2974/756, 5-6=-2884/799, 6-7=-2884/799, 7-8=-2992/756,

8-9=-3219/815

BOT CHORD 2-14=-638/2740, 12-14=-427/2397, 10-12=-415/2406, 9-10=-635/2775

WEBS 3-14=-294/264, 5-14=-41/578, 5-12=-145/758, 6-12=-577/283, 7-12=-141/748,

7-10=-46/596, 8-10=-318/275

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 14-0-0, Exterior(2) 14-0-0 to 20-2-11, Interior(1) 20-2-11 to 30-0-0, Exterior(2) 30-0-0 to 36-2-11, Interior(1) 36-2-11 to 43-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

14-0-0

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 9 and 70 lb uplift at joint 2.





Structural wood sheathing directly applied or 4-1-6 oc purlins, except

2-0-0 oc purlins (4-5-2 max.): 5-7.

Rigid ceiling directly applied or 9-9-2 oc bracing.

August 12,2022

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ANSI/TPI 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

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614037 J0822-4079 HIP A07 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:44 2022 Page 1 Favetteville, NC - 28314 Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-cOjH1p3c9PKsbQEY9RoqOxdlLHDZv2a5sgNHgLyoy9z -Q-10₇8 16-0-0 35-9-14 44-0-0 0-10-8 8-2-2 7-9-14 7-9-14 8-2-2 Scale = 1:79.5 8x8 = 6.00 12 8x8 = 5 16 17 4x8 = 4x8 < 2x4 // 19 14 13 20 12 21 11 22 5x5 = 4x6 4x4 = 4x4 = 4x8 = 4x8 = 4x4 = 11-2-2 22-0-0 32-9-14 44-0-0 11-2-2 10-9-14 10-9-14 11-2-2 Plate Offsets (X,Y)-[2:0-0-0,0-1-11], [5:0-4-0,0-3-4], [6:0-4-0,0-3-4] LOADING (psf) SPACINGin (loc) 2-0-0 CSI. DEFL. PLATES GRIP I/defl L/d TCLL 20.0 Plate Grip DOL 1 15 TC 0.56 Vert(LL) -0.23 10-12 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1 15 BC 0.66 Vert(CT) -0.36 10-12 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.17 Horz(CT) 0.10 9 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.08 12 >999 240 Weight: 297 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No. 1 *Except* TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins, 5-6: 2x8 SP No.1 except **BOT CHORD** 2x6 SP No. 2-0-0 oc purlins (4-8-11 max.): 5-6. WEBS 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS T-Brace: 2x4 SPF No.2 - 5-12, 6-12 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length. REACTIONS. (size) 2=0-3-8, 9=Mechanical Max Horz 2=108(LC 9) Max Uplift 2=-84(LC 12), 9=-73(LC 13) Max Grav 2=1826(LC 2), 9=1781(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-3256/776, 3-5=-3053/777, 5-6=-2521/666, 6-8=-3070/777, 8-9=-3277/778 **BOT CHORD** 2-14=-597/2798, 12-14=-392/2340, 10-12=-380/2345, 9-10=-593/2825 WEBS 3-14=-332/270, 5-14=-93/681, 5-12=-17/419, 6-12=-25/411, 6-10=-97/700, 8-10=-351/278 NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=I 30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 16-0-0, Exterior(2) 16-0-0 to 22-2-11, Interior(1) 22-2-11 to 28-0-0, Exterior(2) 28-0-0 to 34-2-11, Interior(1) 34-2-11 to 43-11-4 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.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Refer to girder(s) for truss to truss connections.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 2 and 73 lb uplift at joint 9.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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



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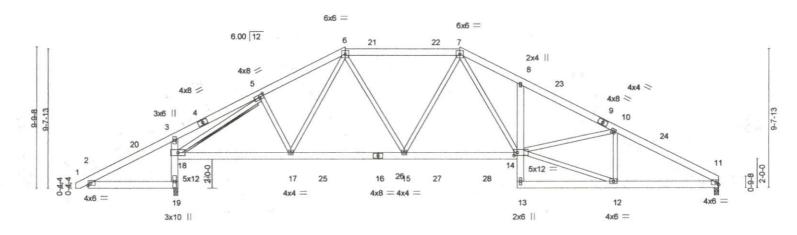
Job Truss Truss Type Qty Ply Maria Garcia Residence 153614038 J0822-4079 A08 HIP Job Reference (optional)

Fayetteville, NC - 28314, Comtech, Inc.

8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:46 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-Ynr1SV5th0aZqkOxGsqlTMi7_5x3No?OKzsOlDyoy9x 36-10-2 44-0-0

18-0-0 0-10-8 5-10-4 5-10-4 8-0-0 10-10-2 7-1-14

Scale = 1:80.5



	1	6-0-0	6-3-8	14-2-8		22-1-8		30-0-0		36-10-2	44-0-0		
	-	6-0-0	0-3-8	7-11-0		7-11-0	1	7-10-8	1	6-10-2	7-1-14		
Plate Offse	ets (X,Y)-	[5:0-3-8,0-	2-0], [14:0-2-	12,0-2-8]							0111 12 011		221
LOADING	(psf)	SP	ACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Pla	te Grip DOL	1.15	TC	0.42	Vert(LL)	-0.14 14-15	>999	360	MT20	244/190	
TCDL	10.0	Lun	nber DOL	1.15	BC	0.53	Vert(CT)	-0.27 14-15	>999	240	1000		
BCLL	0.0 *	Rep	Stress Incr	YES	WB	0.81	Horz(CT)	0.07 11	n/a	n/a	1.1		
BCDL	10.0	Cod	ie IRC2015/7	TPI2014	Matri	x-S	Wind(LL)	0.08 14-15	>999	240	Weight: 329 lb	FT = 20%	

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

WEBS

2x6 SP No.1 2x4 SP No.2 BRACING-

TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied or 4-7-4 oc purlins, except 2-0-0 oc purlins (5-3-8 max.): 6-7.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 2-19 4-7-3 oc bracing: 18-19.

WEBS

T-Brace:

2x4 SPF No.2 - 5-18 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails. 6in o.c. with 3in minimum end distance.

Brace must cover 90% of web length.

REACTIONS. (size) 19=0-3-8, 11=0-3-8

Max Horz 19=121(LC 9)

Max Uplift 19=-111(LC 12), 11=-87(LC 13) Max Grav 19=2086(LC 1), 11=1465(LC 1)

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

2-3=-450/577, 3-5=-984/907, 5-6=-1836/420, 6-7=-1889/492, 7-8=-2791/732, 8-10=-2824/616, 10-11=-2601/560

2-19=-391/433, 18-19=-2042/739, 3-18=-405/178, 17-18=-83/1550, 15-17=-111/1631, 14-15=-168/1925, 8-14=-252/227, 11-12=-383/2217 **BOT CHORD**

5-18=-2665/1224, 5-17=-69/306, 6-15=-100/566, 7-15=-262/198, 7-14=-313/1122, **WEBS**

12-14=-375/2178, 10-14=-20/341, 10-12=-490/200

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 18-0-0, Exterior(2) 18-0-0 to 24-2-11, Interior(1) 24-2-11 to 26-0-0, Exterior(2) 26-0-0 to 32-2-11, Interior(1) 32-2-11 to 43-10-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) *This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 19 and 87 lb uplift at joint 11
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required



August 12,2022

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



818 Soundside Road ton. NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614039 J0822-4079 HIP A09 Job Reference (optional) Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:47 2022 Page 1 Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-1zPPgr6VSKjQStz7qaLX0aFI?VHe6DrXYdbxHgyoy9w 0-10-8 13-1-12 24-0-0 36-10-8 44-0-0 6-10-4 6-10-4 4-0-0 7-1-8 12-10-8 Scale = 1:80.5 5x8 = 6x6 = 6 6.00 12 2x4 || 4x4 = 5 21 8 4x8 = 4x4 > 4x8 > 10-9-8 10-7-13 0-7-13 10 14 6x12 17 16 24 5x5 = 8x12 = 4x6 = 19 13 12 4x6 3x10 || 2x6 || 4x6 = 36-10-8 13-1-12 20-0-0 30-0-0 44-0-0 6-0-0 6-10-4 6-10-4 10-0-0 6-10-8 Plate Offsets (X,Y)-[14:0-4-4,0-3-0], [15:0-2-4,0-4-8] LOADING (psf) SPACING-CSI. 2-0-0 DEFL. PLATES in (loc) I/defi Ld GRIP TCLL 20.0 Plate Grip DOL 1 15 TC 0.40 Vert(LL) -0 22 14-16 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1 15 BC 0.57 Vert(CT) -0.40 14-16 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.90 Horz(CT) 0.07 11 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.08 >999 240 Weight: 335 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No. TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except **BOT CHORD** 2x6 SP No. 2-0-0 oc purlins (6-0-0 max.): 6-7. WEBS 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 4-6-15 oc bracing. **WEBS** T-Brace: 2x4 SPF No.2 - 7-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length. REACTIONS. (size) 19=0-3-8, 11=0-3-8 Max Horz 19=134(LC 9) Max Uplift 19=123(LC 12), 11=-96(LC 13) Max Grav 19=2086(LC 1), 11=1465(LC 1) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown 2-3=-452/579, 3-5=-1813/315, 5-6=-1816/448, 6-7=-1551/468, 7-8=-2826/727, TOP CHORD 8-10=-2797/593, 10-11=-2599/544 **BOT CHORD** 2-19=-395/435, 18-19=-2041/725, 3-18=-1930/739, 17-18=-815/1117, 16-17=-85/1577, 14-16=-88/1626, 8-14=-380/284, 11-12=-369/2214 WEBS 3-17=-1041/2353, 5-17=-391/306, 6-16=-20/513, 7-16=-328/195, 7-14=-374/1430, 12-14=-346/2185, 10-14=0/343, 10-12=-489/188 NOTES-1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp.C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 20-0-0, Exterior(2) 20-0-0 to 30-2-12, Interior(1) 30-2-12 to 43-10-4 zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 19 and 96 lb uplift at joint 11.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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 indibated 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/TPH Quality Criteria, DSB-89 and BCSI Building Comp. 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 Maria Garcia Residence 153614040 J0822-4079 A10 ROOF SPECIAL 3 Job Reference (optional) Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:48 2022 Page 1 Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-VAzntB77DdrH31XJOHsmYnnTaucYrjignHLUp6yoy9v 36-10-8 22-0-0 44-0-0 0-10-8 6-3-8 7-10-4 7-10-4 14-10-8 7-1-8 Scale = 1:78.7 5x8 = 6 6.00 12 20 4x4 = 5x8 > 5 4x4 > 4x8 / 4x8 8 13 6x12 : 16 15 4x12 = 4x8 = 4x8 = 5x5 = 4x6 4x6 = 12 11 18 2x6 || 2x6 || 4x6 = 22-0-0 7-10-4 30-0-0 44-0-0 14-1-12 7-10-4 8-0-0 6-0-0 Plate Offsets (X,Y)-[13:0-10-0,0-4-12] L/d PLATES GRIP 2-0-0 CSI. DEFL. I/defl LOADING (psf) SPACINGin (loc) 244/190 -0.12 13-14 >999 MT20 TC 0.41 Vert(LL) 360 TCLL 20.0 Plate Grip DOL 1.15 >999 240 TCDL 10.0 Lumber DOL 1.15 RC. 0.53 Vert(CT) -0.26 13-14 BCLL 0.0 Rep Stress Incr YES WB 0.70 Horz(CT) 0.04 10 n/a n/a Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.09 13 >999 240 Weight: 328 lb FT = 20%BCDL 10.0 LUMBER-**BRACING-**TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins TOP CHORD 2x6 SP No.1 **BOT CHORD** Rigid ceiling directly applied or 4-7-3 oc bracing.

WEBS

1 Row at midpt

5-14, 7-14

BOT CHORD 2x6 SP No.1

2x4 SP No.2 WEBS

REACTIONS.

(size) 18=0-3-8, 10=0-3-8 Max Horz 18=148(LC 9)

Max Uplift 18=-134(LC 12), 10=-103(LC 13) Max Grav 18=2086(LC 1), 10=1465(LC 1)

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

2-3=-227/576, 3-5=-1889/387, 5-6=-1705/440, 6-7=-1712/461, 7-9=-2961/609, TOP CHORD

9-10=-2596/535 BOT CHORD

2-18=-391/251, 17-18=-2042/531, 3-17=-1932/562, 16-17=-778/587, 14-16=-128/1580,

13-14=-302/2623, 7-13=-65/864, 10-11=-360/2210

3-16=-615/2354, 5-16=-273/218, 5-14=-270/162, 6-14=-151/964, 7-14=-1409/356, WEBS

11-13=-352/2201, 9-13=0/369, 9-11=-577/203

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 22-0-0, Exterior(2) 22-0-0 to 26-4-13, Interior(1) 26-4-13 to 43-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

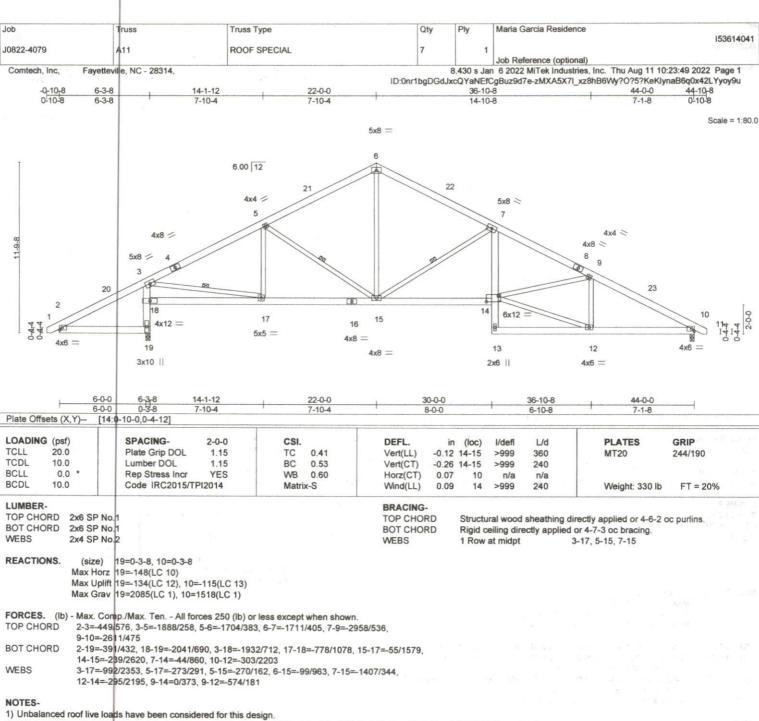
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 18 and 103 lb uplift at joint 10



August 12,2022



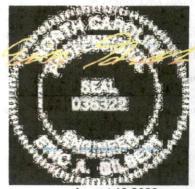
Edenton, NC 27932



2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 22-0-0, Exterior(2) 22-0-0 to 26-4-13, Interior(1) 26-4-13 to 44-8-10 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide. will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 19 and 115 lb uplift at joint 10.



August 12,2022

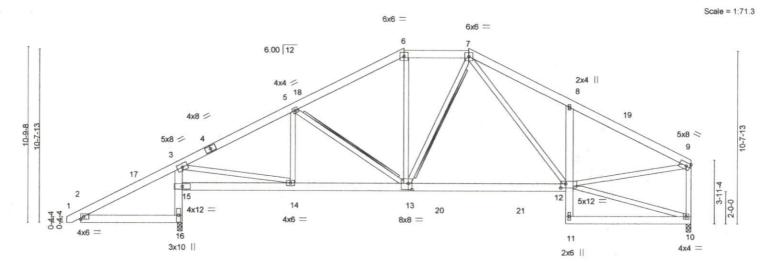
Design valid for use only with MTEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 eraction and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Composition (Composition Composition C 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 Maria Garcia Residence 153614042 J0822-4079 A12 HIP Job Reference (optional) Comtech Inc. Favetteville, NC - 28314. 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:51 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-vlewVC9?WYDswVGu3PQTAQP_06eA2377TFZ9QRyoy9s 13-1-12 20-0-0 24-0-0 37-8-8 6-10-4 6-10-4 4-0-0 13-8-8



	T.	6-0-0 65	3 ₁ 8	13-1-12	i	20-0-0		30-0-0		37-8-8		
	E	6-0-0 0-	3-8	6-10-4		6-10-4		10-0-0		7-8-8		
Plate Offse	ets (X,Y)-	[6:0-0-0,0-0-0], [12:0-	3-12,0-3-0], [13:0-2-12,0-4-	8]							
LOADING	(psf)	SPACING-	2-0-0	C	SI.	DEFL.	in (lo	oc) I/defl	L/d	PLATES	GRIP	ativ sol
TCLL	20.0	Plate Grip DOI	1.15	5 TO	0.40	Vert(LL)	-0.15 12-	13 >999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	5 B	0.53	Vert(CT)	-0.25 12-	13 >999	240			
BCLL	0.0 *	Rep Stress Inc	r YES	6 W	B 0.76	Horz(CT)	-0.07	10 n/a	n/a			
BCDL	10.0	Code IRC201	5/TPI2014	M	atrix-S	Wind(LL)	0.04 13-	14 >999	240	Weight: 305 lb	FT = 20%	

LUMBER-

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

WEBS 2x4 SP No.2 BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 5-11-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7. Rigid ceiling directly applied or 4-10-7 oc bracing.

2x4 SPF No.2 - 5-13, 7-13 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.

REACTIONS. (size) 16=0-3-8, 10=0-3-8 Max Horz 16=197(LC 12)

> Max Uplift 16=122(LC 12), 10=-62(LC 13) Max Grav 16=1843(LC 1), 10=1205(LC 1)

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

TOP CHORD 2-3=-458/580, 3-5=-1426/296, 5-6=-1354/393, 6-7=-1154/417, 7-8=-1632/551,

8-9=-1607/402, 9-10=-1133/339

BOT CHORD 2-16=-396/446, 15-16=-1799/668, 3-15=-1694/686, 14-15=-835/842, 13-14=-203/1228, 12-13=-144/1113, 8-12=-460/328

WEBS 3-14=-872/2035, 5-14=-306/271, 6-13=0/320, 7-12=-216/512, 9-12=-256/1375

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 20-0-0, Exterior(2) 20-0-0 to 30-2-12, Interior(1) 30-2-12 to 37-6-12 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 16 and 62 lb uplift at
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only with an items conflictions. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITP1 Quality Criteria, DSB-89 and BCSI Building Composition available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

Job Qty Ply Maria Garcia Residence Truss Type Truss 153614043 J0822-4079 A13 HIP 1 Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:52 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-NxCljYAeHsLjYfr5d7xijdy9fW_UnXCGivJiytyoy9r 0-10-8 12-1-12 18-0-0 26-0-0 37-8-8 5-10-4 5-10-4 8-0-0 Scale = 1:69.3 6x6 = 6x6 = 6.00 12 20 2x4 || 8 4x8 = 5 21 4x8 / 5x8 < 9-7-13 13 2x6 || 9 18 16 12 5x12 24 13 5x12 = 15 23 14 25 26 4x4 = 4x8 = 4x4 =4x6 = 11 3x10 || 4x4 = 2x6 | 6-3-8 37-8-8 6-0-0 7-11-0 7-10-8 7-8-8 Plate Offsets (X,Y)--[5:0-3-8,0-2-0], [12:0-3-0,0-3-4] LOADING (psf) SPACING-2-0-0 CSI DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.41 Vert(LL) -0.08 13-15 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.53 Vert(CT) -0.14 12-13 240 >999 BCLL 0.0 Rep Stress Incr YES WB 0.70 Horz(CT) 0.07 10 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.04 13-15 >999 240 Weight: 300 lb FT = 20%LUMBER-BRACING TOP CHORD 2x6 SP No. TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, **BOT CHORD** 2x6 SP No. except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7. 2x4 SP No.2 WEBS **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-17 4-10-10 oc bracing: 16-17. WEBS T-Brace: 2x4 SPF No.2 - 5-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length. REACTIONS. (size) 17=0-3-8, 10=0-3-8 Max Horz 17=185(LC 12) Max Uplift 17=-111(LC 12), 10=-52(LC 13) Max Grav 17=1843(LC 1), 10=1213(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-457/578, 3-5=-826/936, 5-6=-1441/393, 6-7=-1357/416, 7-8=-1598/527, 8-9=-1630/416, 9-10=-1145/351 **BOT CHORD** 2-17=-393/444, 16-17=-1800/678, 3-16=-368/215, 15-16=-208/1217, 13-15=-198/1238, 12-13=-199/1269, 8-12=-354/284 WEBS 5-16=-2303/1026, 6-13=-34/294, 7-13=-6/258, 7-12=-160/310, 9-12=-267/1393 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)

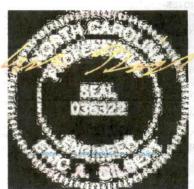
2) Wind: ASCE 7-10; Vult= 30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 18-0-0, Exterior(2) 18-0-0 to 24-2-11, Interior(1) 32-2-11 to 37-6-12 zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 17 and 52 lb uplift at joint 10.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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

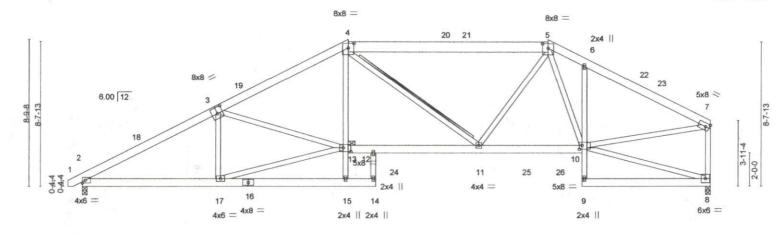


Edenton, NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614044 J0822-4079 HIP A14 Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:53 2022 Page 1

ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-r7mgwuAG2ATaAoQHBqSxFrVlfvMaW_IQxZ2FUJyoy9q 0-10-8 16-0-0 17-8-0 30-0-8 37-8-8 7-9-14 1-8-0 2-0-8 7-8-0

Scale = 1:69.3



	1	8-2-2	1	16-0-0	17-8-0	23-10	4	30-	-0-8	37-8-8		
		8-2-2		7-9-14	1-8-0	6-2-	4	6-	2-4	7-8-0		
Plate Offse	ets (X,Y)-	[3:0-4-0,0-4-8], [4:0-4-0,0	0-3-4], [5:0-4-0	,0-3-4], [10:0)-2-0,0-2-12], [13	:0-5-8,0-2-12]						
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	0.52	Vert(LL)	-0.12 11-12	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.23 11-12	>999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.11 8	n/a	n/a			
BCDL	10.0	Code IRC2015/T	PI2014	Matri	x-S	Wind(LL)	0.08 12	>999	240	Weight: 312 lb	FT = 20%	

BRACING-LUMBER-TOP CHORD 2x6 SP No.1 *Except*

4-5: 2x8 SP No.1 2x6 SP No.1 *Except*

BOT CHORD 12-14,6-9: 2x4 SP No.2

2x4 SP No.2 WEBS

TOP CHORD

BOT CHORD

except end verticals, and 2-0-0 oc purlins (5-1-5 max.): 4-5. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 12-14.

T-Brace: 2x4 SPF No.2 - 4-11

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.

Structural wood sheathing directly applied or 4-5-14 oc purlins,

Brace must cover 90% of web length.

JOINTS

WEBS

1 Brace at Jt(s): 13

REACTIONS. (size) 8=0-3-8, 2=0-3-8

Max Horz 2=172(LC 12)

Max Uplift 8=-31(LC 13), 2=-84(LC 12) Max Grav 8=1496(LC 1), 2=1549(LC 1)

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

TOP CHORD 2-3=-2657/636, 3-4=-2650/723, 4-5=-2063/606, 5-6=-1905/657, 6-7=-2031/563,

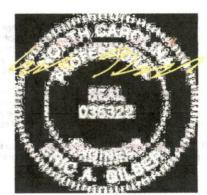
7-8=-1422/445

BOT CHORD 2-17=-609/2243, 12-13=-493/2268, 11-12=-523/2306, 10-11=-391/1765 3-17=-378/244, 13-15=0/293, 4-13=-70/831, 4-11=-379/156, 5-11=-18/579, WEBS 5-10=-312/139, 7-10=-407/1744, 3-13=-105/283, 13-17=-593/2215

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 16-0-0, Exterior(2) 16-0-0 to 22-2-11, Interior(1) 22-2-11 to 28-0-0, Exterior(2) 28-0-0 to 34-2-11, Interior(1) 34-2-11 to 37-6-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 8 and 84 lb uplift at
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



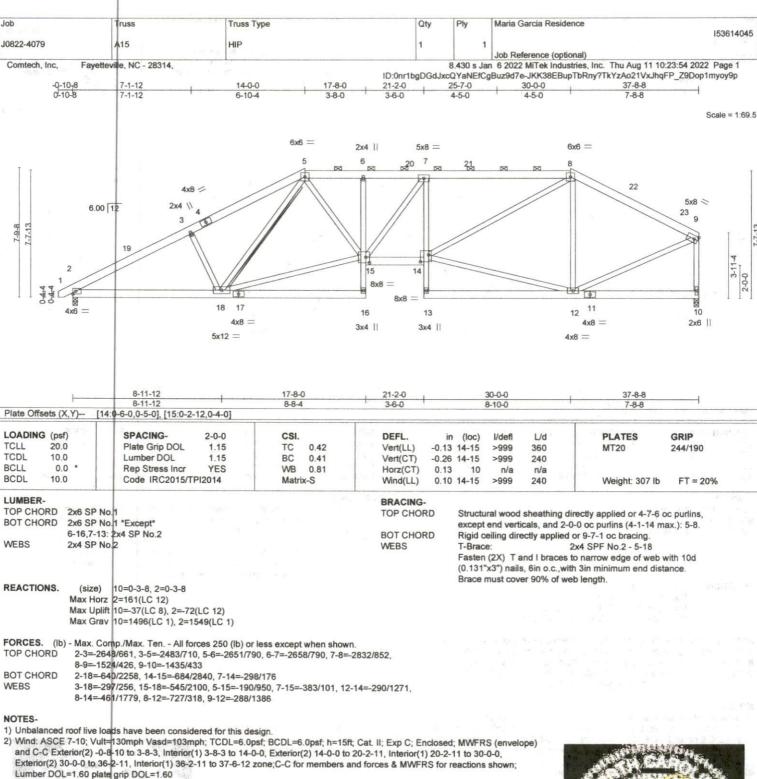
August 12,2022

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only with Mil let's 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 fruss systems, see

AMSI/TPI Quality Criteria, DSB-89 and BCSI Building Composition available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road



Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 10 and 72 lb uplift at
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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



818 Soundside Road Edenton, NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614046 .10822-4079 A16 HIP Job Reference (optional) Favetteville, NC - 28314 Comtech, Inc. 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:55 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-oWuRLaCWanjIP6aflFUPLGagBjyS_uliOtXMZCyoy9o

25-4-0

6-8-0

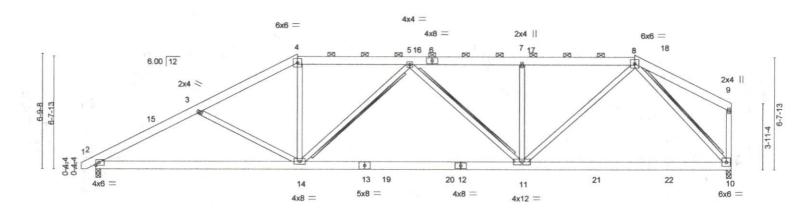
18-8-0

6-8-0

Scale = 1:68 4

37-8-8

5-8-8



12-0-0				1	25-4-0							1		
		12-0-0		10.500	1.0		13-4-0					12-4-8		
Plate Offse	ets (X,Y)-	[4:0-0-0,0-0-0]										12 22 43	17 1 1 21	
LOADING	(psf)	SPACING-	2-0-0	CSI.			DEFL.	in (loc)	l/defl	L/d		PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	1	Vert(LL)	-0.26 11-14	>999	360		MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.76	- 23	Vert(CT)	-0.42 11-14	>999	240				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65		Horz(CT)	0.06 10	n/a	n/a	1			
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-S		Wind(LL)	0.07 11-14	>999	240	T.	Weight: 266 lb	FT = 20%	

LUMBER-

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

0-10-8

WEBS 2x4 SP No 2 BRACING-TOP CHORD

BOT CHORD WEBS

Structural wood sheathing directly applied or 4-7-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-14 max.): 4-8.

Rigid ceiling directly applied or 9-3-13 oc bracing. 2x4 SPF No.2 - 5-14, 5-11, 8-10

32-0-0

6-8-0

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS.

(size) 2=0-3-8, 10=0-3-8 Max Horz 2=149(LC 12)

Max Uplift 2=-58(LC 12), 10=-69(LC 8) Max Grav 2=1549(LC 1), 10=1575(LC 2)

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

TOP CHORD 2-3=-2608/717, 3-4=-2330/602, 4-5=-2048/600, 5-7=-2199/594, 7-8=-2200/596

BOT CHORD 2-14=-695/2226, 11-14=-570/2316, 10-11=-300/1155 WEBS

3-14=-264/257, 4-14=-64/713, 5-14=-474/178, 5-11=-296/158, 7-11=-438/225,

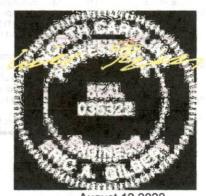
12-0-0

8-11=-226/1458, 8-10=-1651/452

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 12-0-0, Exterior(2) 12-0-0 to 18-2-11, Interior(1) 18-2-11 to 32-0-0, Exterior(2) 32-0-0 to 37-6-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2 and 69 lb uplift at joint 10.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

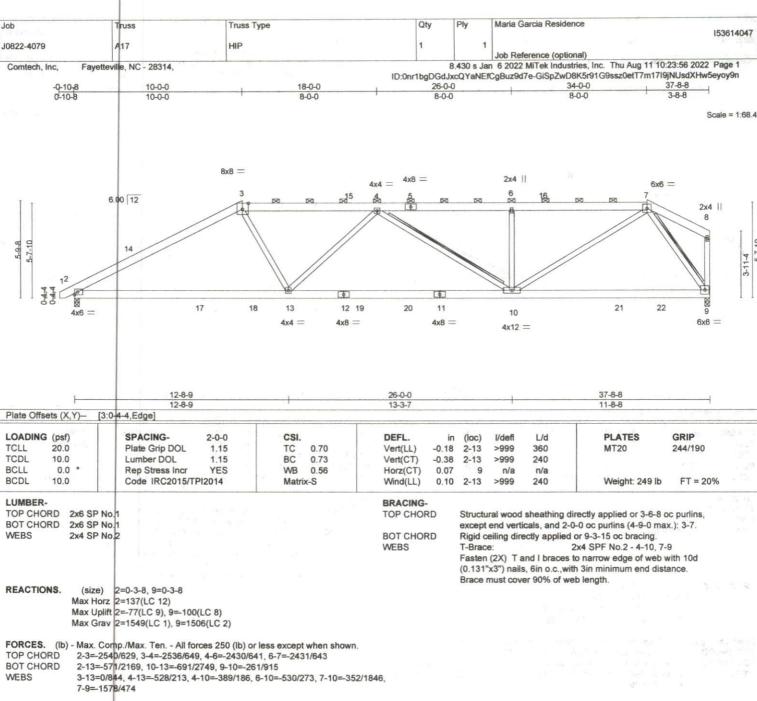


August 12,2022





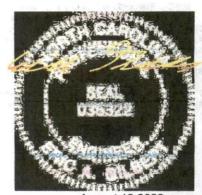
Edenton, NC 27932



NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-0-0, Exterior(2) 10-0-0 to 16-2-11, Interior(1) 16-2-11 to 34-0-0, Exterior(2) 34-0-0 to 37-6-12 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.
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 2 and 100 lb uplift at
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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

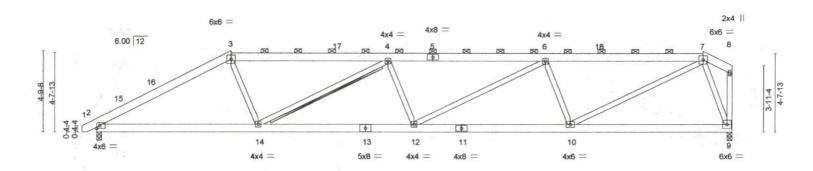


818 Soundside Road Edenton, NC 27932

Job Truss Type Ply Qty Maria Garcia Residence 153614048 J0822-4079 HIP A18 Job Reference (optional) Comtech, Inc. Favetteville, NC - 28314.

8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:23:57 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-kv?BmGEm5Oz0eQj2QgXtQhf0nXi0So9?rB0Td4yoy9m 8-0-0 17-4-0 26-8-0 36-0-0

Scale = 1:68.4



		9-7-8	1	18	8-10-10	1	28-1-	13		37-8-8	1	
	_	9-7-8			9-3-3		9-3-	3		9-6-11		
Plate Off	sets (X,Y)-	[3:0-0-0,0-0-0]									22.00	Tal 19
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc	c) I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.16 10-1	2 >999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.32 10-1	2 >999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	9 n/a	n/a			
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-S	Wind(LL)	0.13 1	2 >999	240	Weight: 249 lb	FT = 20%	

L	U	M	B	E	R	-

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

BOT CHORD WEBS

Structural wood sheathing directly applied or 4-4-10 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-10 max.): 3-7.

Rigid ceiling directly applied or 8-7-14 oc bracing. T-Brace: 2x4 SPF No.2 - 4-14

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS.

(size) 2=0-3-8, 9=0-3-8 Max Horz 2=125(LC 12)

Max Uplift 2=-95(LC 9), 9=-129(LC 8) Max Grav 2=1549(LC 1), 9=1496(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2648/633, 3-4=-2512/649, 4-6=-3369/808, 6-7=-2554/610

BOT CHORD 2-14=-608/2238, 12-14=-829/3409, 10-12=-696/2863, 9-10=-168/561 WEBS

3-14=-25/794, 4-14=-1115/276, 6-12=-117/578, 6-10=-931/366, 7-10=-462/2267,

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 8-0-0, Exterior(2) 8-0-0 to 14-2-11, Interior(1) 14-2-11 to 36-0-0, Exterior(2) 36-0-0 to 37-6-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) *This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 2 and 129 lb uplift at
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



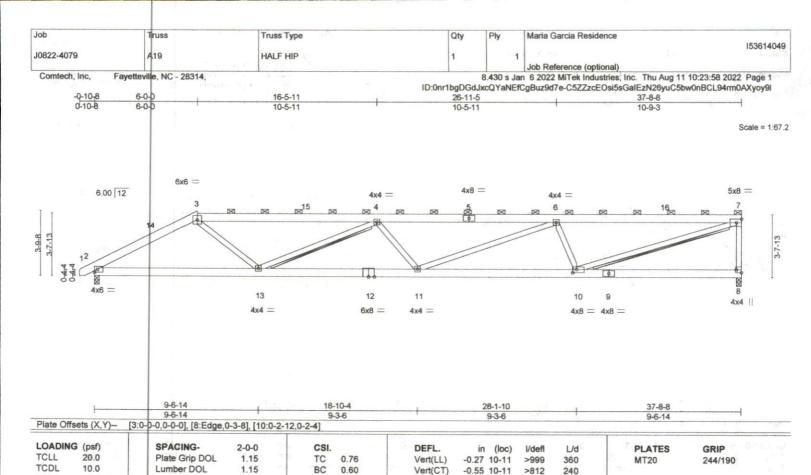
August 12,2022

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ANSITPIT Quality Criteria, DSB-89 and BCSI Building ColSafety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road ton, NC 27932



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

0.0

10.0

BRACING-TOP CHORD

Horz(CT)

Wind(LL)

0.09

0.22 10-11

Structural wood sheathing directly applied or 4-7-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-1-2 max.): 3-7. Rigid ceiling directly applied or 7-6-8 oc bracing.

Weight: 239 lb

FT = 20%

BOT CHORD WEBS

8

n/a

>999

n/a

240

2x4 SPF No.2 - 4-13, 7-10 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

BCII

BCDI

(size) 8=0-3-8, 2=0-3-8 Max Horz 2=106(LC 12)

Max Uplift 8=-160(LC 9), 2=-113(LC 9) Max Grav 8=1496(LC 1), 2=1549(LC 1)

Rep Stress Incr

Code IRC2015/TPI2014

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

TOP CHORD 2-3=-268\$/672, 3-4=-3183/711, 4-6=-4389/977, 6-7=-3381/726, 7-8=-1399/393

BOT CHORD 2-13=-642/2305, 11-13=-1092/4452, 10-11=-863/3728 WEBS

3-13=-90/1208, 4-13=-1453/422, 6-11=-129/710, 6-10=-994/393, 7-10=-740/3478

YES

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult= 30mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8 10 to 3-8-3, Interior(1) 3-8-3 to 6-0-0, Exterior(2) 6-0-0 to 12-2-11, Interior(1) 12-2-11 to 37-6-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-S

0.85

3) Provide adequate drainage to prevent water ponding.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 8 and 113 lb uplift at joint 2.

- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



August 12,2022

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ANSITPH Quality Criteria, DSB-89 and BCSI Building Compo



818 Soundside Road Edenton, NC 27932

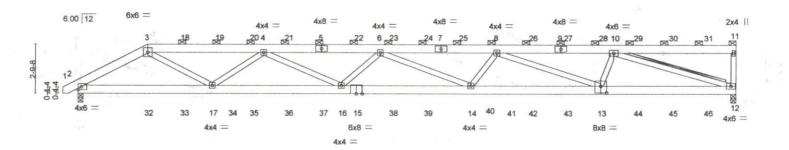
Job Truss Type Qty Ply Maria Garcia Residence 153614050 J0822-4079 A20 Half Hip Girder 2 Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314. 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:02 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-4sp4pzHvwxbllBc0CD627kMvEYSQ71Pk?TkEJlyoy9h -0-10-8 4-0-0 10-8-3 17-4-6 24-0-10 30-8-13

6-8-3

6-8-3

6-8-3

Scale = 1:66.1



	-	7-8-10	15-1-			22-6-13		29-11-1	4	+	37-8-8		
Plate Offse	ets (X,Y)-	7-8-10 [13:0-4-0,0-4-8]	7-5	-2		7-5-2		7-5-2	F . E.C.		7-8-10		
LOADING	44	SPACING-	2-0-0	CSI.	0.04	DEFL.	in (loc)	l/defl	L/d		PLATES	GRIP	S le s
TCLL	10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.21	Vert(LL) Vert(CT)	-0.25 14-16 -0.50 14-16	>898	360 240	-	MT20	244/190	
BCLL	10.0	Rep Stress Incr Code IRC2015/TI	NO PI2014	WB Matrix	0.78 <-\$	Horz(CT) Wind(LL)	0.09 12 0.25 14-16		n/a 240	1	Weight: 480 lb	FT = 20%	

LUMBER-

TOP CHORD 2x6 SP 2400F 2 0F **BOT CHORD** 2x6 SP 2400F 2.0E

WEBS 2x4 SP No.2 BRACING-TOP CHORD

BOT 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.): 3-11. Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SPF No.2 - 10-12

Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS.

BOT CHORD

(size) 12=0-3-8, 2=0-3-8 Max Horz 2=77(LC 23)

Max Uplift 12=-425(LC 5), 2=-409(LC 5) Max Grav 12=2109(LC 1), 2=2231(LC 1)

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

TOP CHORD 2-3=-3805/804, 3-4=-5608/1082, 4-6=-8144/1606, 6-8=-8145/1613, 8-10=-5502/1086,

11-12=-269/112

2-17=-712/3247, 16-17=-1508/7057, 14-16=-1785/8513, 13-14=-1641/7898,

12-13=-1066/5141

WEBS 3-17=-442/2783, 4-17=-1844/550, 4-16=-116/1227, 6-16=-536/263, 6-14=-404/188,

8-14=0/575, 8-13=-2574/597, 10-13=-67/1191, 10-12=-5304/1103

NOTES-

1) 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, 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) 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.

3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

4) Provide adequate drainage to prevent water ponding.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 425 lb uplift at joint 12 and 409 lb uplift at joint 2.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 12,2022

Continued on page 2

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only with Mrt lettle 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

MSITPIT Quality Criteria, DSB-89 and BCSI Building Composition available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Maria Garcia Residence	150044050
J0822-4079	A20	Half Hip Girder	1	2	In Defense (astro-di	153614050
Comtach Inc Equation	Ho NC 29214			420 - 1	Job Reference (optional)	Deep 2

ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-4sp4pzHvwxbllBc0CD627kMvEYSQ71Pk?TkEJlyoy9h

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 48 lb down and 73 lb up at 4-0-0, 48 lb down and 73 lb up at 6-0-12, 48 lb down and 73 lb up at 8-0-12, 48 lb down and 73 lb up at 10-0-12, 48 lb down and 73 lb up at 12-0-12, 48 lb down and 73 lb up at 14-0-12, 48 lb down and 73 lb up at 12-0-12, 48 lb down and 12-0 at 16-0-12, 48 lb down and 73 lb up at 18-0-12, 48 lb down and 73 lb up at 22-0-12, 48 lb down and 73 lb up at 22-0-12, 48 lb down and 73 lb up at 24-0-12, 48 lb down and 74 lb up at 24-0-12, 48 lb down and 74 lb up at 24-0-12, 48 lb down and 74 and 73 lb up at 26-0-12, 48 lb down and 73 lb up at 28-0-12, 48 lb down and 73 lb up at 30-0-12, 48 lb down and 73 lb up at 32-0-12, and 48 lb down and 73 lb up at 34-0-12, and 48 lb down and 73 lb up at 36-0-12 on top chord, and 194 lb down and 62 lb up at 4-0-0, 36 lb down at 6-0-12, 36 lb down at 8-0-12, 36 lb down at 12-0-12, 36 lb down a down at 26-0-12, 36 lb down at 28-0-12, 36 lb down at 30-0-12, 36 lb down at 32-0-12, and 36 lb down at 34-0-12, and 36 lb down at 36-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-1=-60, 2-12=-20

Concentrated Loads (lb)

Vert. 3=-48(B) 5=-48(B) 15=-18(B) 8=-48(B) 13=-18(B) 18=-48(B) 19=-48(B) 20=-48(B) 21=-48(B) 22=-48(B) 23=-48(B) 24=-48(B) 25=-48(B) 25=-48(B) 27=-48(B) 28=-48(B) 30=-48(B) 31=-48(B) 32=-194(B) 33=-18(B) 34=-18(B) 35=-18(B) 36=-18(B) 37=-18(B) 39=-18(B) 39=-18(B) 40=-18(B) 41=-18(B) 42=-18(B) 43=-18(B) 44=-18(B) 45=-18(B) 46=-18(B)



Job Truss Truss Type Qty Ply Maria Garcia Residence 153614051 COMMON SUPPORTED GAB J0822-4079 B1 1 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:03 2022 Page 1 Favetteville, NC - 28314. Comtech, Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-Z2NS1JIXhEk9NLBCmxeHfyv7jxstsg_uE7Tnrkyoy9g 11-0-0 22-0-0 0-10-8 11-0-0 11-0-0 0-10-8 Scale = 1:42.3 5x5 = 6.00 12 9 24 5 25 10 26 23 12 13 3x4 = 22 21 20 19 18 17 16 15 14 8x8 = 22-0-0 Plate Offsets (X,Y)-[18:0-4-0,0-4-8] DEFL. L/d **PLATES** GRIP SPACING-2-0-0 CSI. I/defl in (loc) LOADING (psf) 244/190 0.03 120 MT20 TC Vert(LL) 0.00 12 TCLL 20.0 Plate Grip DOL 1.15 n/r 0.00 120 TCDL 10.0 Lumber DOL 1 15 RC. 0.03 Vert(CT) 12 n/r BCLL 0.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.00 12 n/a n/a Code IRC2015/TPI2014 Matrix-S Weight: 157 lb FT = 20% BCDL 10.0 LUMBER-**BRACING-**TOP CHORD

TOP CHORD 2x6 SP No.1

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

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 22-0-0

(lb) - Max Horz 2=119(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 21, 17, 16, 15, 12 except 22=-118(LC 12),

14=-114(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 18, 19, 20, 21, 22, 17, 16, 15, 14, 12

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-10 to 3-8-3, Exterior(2) 3-8-3 to 11-0-0, Corner(3) 11-0-0 to 15-4-13, Exterior(2) 15-4-13 to 22-8-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 17, 16, 15, 12 except (jt=lb) 22=118, 14=114.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.



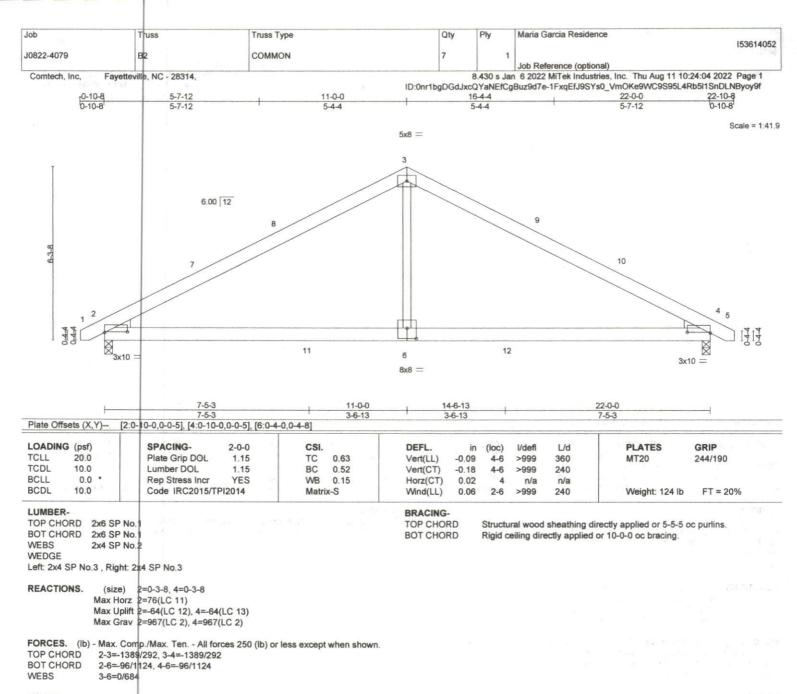
August 12,2022

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

ANSITPIT Quality Criteria, DSB-39 and BCSI Building Comp. Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932



NOTES-

1) Unbalanced roof live loads have been considered for this design

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 11-0-0, Exterior(2) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 22-8-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf-bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical confection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



August 12,2022

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ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Cor Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



818 Soundside Road Edenton, NC 27932

Job Truss Qty Ply Truss Type Maria Garcia Residence 153614053 J0822-4079 **B3** COMMON 3 Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:05 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-VRUDR?KnDs_tceLauMglkN_JJIRmKY?BhRyuwdyoy9e 11-0-0 16-4-4 22-0-0 5-7-12 5-4-4 Scale = 1:41.0 5x8 = 6.00 12 5 8x8 = 11-0-0 14-6-13 7-5-3 3-6-13 3-6-13 Plate Offsets (X,Y)-[2:0-10-0,0-0-5], [5:0-4-0,0-4-8] CSI. DEFL. **PLATES** GRIP LOADING (psf) SPACING-2-0-0 in (loc) I/defl L/d TCLL 20.0 Plate Grip DOL 1.15 TC 0.67 Vert(LL) -0.08 2-5 >999 360 MT20 244/190 BC 0.51 Vert(CT) -0.18 2-5 >999 240 TCDL 10.0 Lumber DOL 1.15 BCLL 0.0 Rep Stress Incr YES WB 0.15 Horz(CT) 0.02 n/a n/a Code IRC2015/TPI2014 2-5 >999 240 Weight: 121 lb FT = 20%BCDL 10.0 Matrix-S Wind(LL) 0.06 LUMBER-**BRACING-**TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

2x4 SP No.2 **WEBS**

WEDGE

Left: 2x4 SP No.3

REACTIONS.

(size) 4=0-3-8, 2=0-3-8

Max Horz 2=76(LC 11)

Max Uplift 4=-51(LC 13), 2=-64(LC 12)

Max Grav 4=923(LC 2), 2=968(LC 2)

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

2-3=-1390/291, 3-4=-1388/296 TOP CHORD

BOT CHORD 2-5=-103/1125, 4-5=-103/1125

3-5=0/684 WEBS

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 11-0-0, Exterior(2) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 21-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

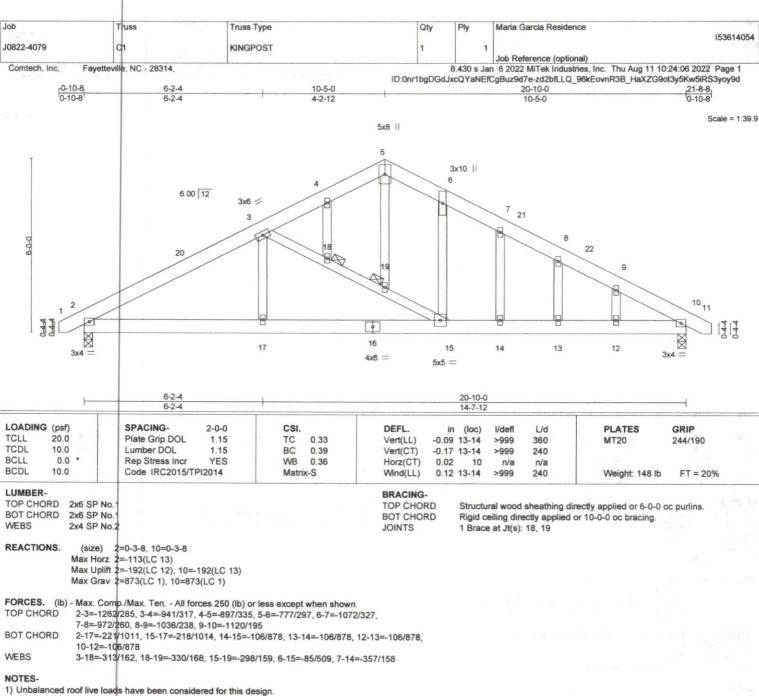


August 12,2022

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only with Mil lewe 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see MSITPH1 Quality Criteria, DSB-89 and BCSI Building Co Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932



- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-5-0, Exterior(2) 10-5-0 to 14-9-13, Interior(1) 14-9-13 to 21-6-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt-lb) 2=192, 10=192



August 12,2022

Design valid for use only with MTEk® 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, prection and bracing of trusses and truss systems, see

ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Comp Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road

Truss Truss Type Qty Ply Maria Garcia Residence 153614055 J0822-4079 C2 COMMON 2 Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:07 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-RqczshL2lTEbryUz?miDqo4igZ9GoObT9lR?_Vyoy9c 0-10-8 10-5-0 20-10-0 21-8-8 10-5-0 Scale = 1:40.2 5x12 || 3 6.00 12 12 8 7 4x6 = 3x10 = 2x4 // 4x6 = 2x4 \\ 11-10-4 20-10-0 6-1-4 Plate Offsets (X,Y)-[2:0-0-0,0-0-11], [4:0-10-0,0-0-5] LOADING (psf) SPACING-CSI. DEFL. L/d PLATES GRIP in I/defl (loc) TCLL 20.0 Plate Grip DOL 1.15 TC 0.48 0.11 Vert(LL) >919 240 244/190 4-6 MT20 TCDL 10.0 Lumber DOL BC 0.32 1.15 -0.09 Vert(CT) 4-6 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.34 Horz(CT) 0.00 n/a n/a BCDL Code IRC2015/TPI2014

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

10.0

WEBS 2x4 SP No.2

WEDGE

Right: 2x4 SP No.3

REACTIONS.

(size) 2=0-3-8, 6=0-3-8, 4=0-3-0

Max Horz 2=-72(LC 10)

Max Uplift 2=-66(LC 12), 6=-14(LC 9), 4=-116(LC 8) Max Grav 2=520(LC 1), 6=829(LC 1), 4=405(LC 24)

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

TOP CHORD 2-3=-511/106

BOT CHORD 2-8=0/325

WEBS 3-8=0/299, 3-6=-634/162

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-5-0, Exterior(2) 10-5-0 to 14-9-13, Interior(1) 14-9-13 to 21-6-10 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-S

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 4=116



Weight: 127 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

FT = 20%

August 12,2022

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not



Edenton, NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614056 J0822-4079 CB Common Girder Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:08 2022 Page 1 Comtech, Inc. Favetteville, NC - 28314. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-v0AL40MgWnMST639ZUDSM?cs1yMFXiTdNOBYWyyoy9b 12-0-0 Scale = 1:37.2 5x8 = 2x4 || 6.00 12 9 11 5x8 5x12 // 6x6 = 6-0-6 12-0-0 6-0-6 5-11-10 Plate Offsets (X,Y)-[2:0-3-12,0-1-12], [6:0-6-10,0-0-0] LOADING (psf) SPACING-CSI GRIP 2-0-0 DEFL. in (loc) I/defl L/d **PLATES** TCLL 20.0 Plate Grip DOL 1.15 TC 0.57 Vert(LL) -0.06 5-6 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.84 Vert(CT) -0.12 >999 240 5-6 BCLL 0.0 Rep Stress Incr NO WB 0.94 Horz(CT) 0.01 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.04 >999 240 Weight: 205 lb FT = 20% 1-6 LUMBER-BRACING-TOP CHORD 2x6 SP No. TOP CHORD Structural wood sheathing directly applied or 5-8-1 oc purlins, BOT CHORD 2x10 SP No. 1 except end verticals. WEBS 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (size) =0-3-8. 5=0-3-8 Max Horz =161(LC 8) Max Uplift 1=-329(LC 8), 5=-318(LC 8) Max Grav 1=5545(LC 1), 5=5775(LC 1) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-6680/279 **BOT CHORD** 1-6=-296/5829, 5-6=-87/852 WEBS 2-6=-322/7658, 2-5=-3364/356 1) 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, 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-3-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) 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.

3) Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-10; Vult= 30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)

1=329, 5=318,

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1732 lb down and 147 lb up at 1-0-12, 1731 lb down and 124 lb up at 3-0-12, 1731 lb down and 99 lb up at 5-0-12, 1731 lb down and 73 lb up at 7-0-12, and 1731 Ib down and 79 lb up at 9-0-12, and 1762 lb down and 92 lb up at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-3=-60, 1-4=-20



August 12,2022

Continued on page 2

Design valid for use only with MTEk® 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 Compo Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road Edenton, NC 27932

Qty Job Maria Garcia Residence Truss Truss Type Ply 153614056 J0822-4079 C3 Common Girder 2 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:08 2022 Page 2

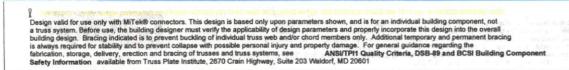
Fayetteville, NC - 28314,

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-1732(B) 8=-1731(B) 9=-1731(B) 10=-1731(B) 11=-1731(B) 12=-1732(B)





818 Soundside Road

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614057 3 J0822-4079 C106 DIAGONAL HIP GIRDER Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:09 2022 Page 1 Fayetteville, NC - 28314, Comtech Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-NCkjHMNIH4UJ5GeM7BkhvD97HMu_GNOmc2w63Oyoy9a 5-6-6 -1-2-14 Scale = 1:17.7 2x4 || 4.24 12 0-4-4 6 2x4 || 5-6-6 5-6-6 LOADING (psf) SPACING-2-0-0 CSI DEFL. PLATES GRIP (loc) I/defl L/d TCLL Plate Grip DOL 20.0 1.15 TC 0.16 Vert(LL) -0.01 2-6 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.15 BC 0.11 Vert(CT) -0.022-6 >999 240 BCLL 0.0 Rep Stress Incr NO WB 0.00 Horz(CT) 0.00 n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Wind(LL) 0.00 2 240 Weight: 33 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No. TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, **BOT CHORD** 2x6 SP No. except end verticals. WEBS 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing REACTIONS. 6=Mechanical, 2=0-4-9 (size) Max Horz 2=76(LC 4) Max Uplift 6=-37(LC 8), 2=-56(LC 4) Max Grav 6=205(LC 1), 2=286(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult= 30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 3) *This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 30 lb up at 2-9-8, and 19 lb down and 30 lb up at 2-9-8 on top chord, and 2 lb down at 2-9-8, and 2 lb down at 2-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-3=-60, 3-4=-20, 2-5=-20



August 12,2022

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only with interest 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 Composition available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614058 J0822-4079 COMMON SUPPORTED GAB Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:10 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-rPl6ViOw1OcAiQDYgvGwRQiK5mFj?q2wrigfbqyoy9Z -0-10-8 0-10-8 12-10-8 12-0-0 6-0-0 0-10-8 Scale: 1/2"=1" 5x5 = 5 6.00 12 16 13 12 10 3x4 = LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defi L/d **PLATES** GRIP (loc) 1.15 TC 0.03 0.00 120 MT20 244/190 TCLL 20.0 Plate Grip DOL Vert(LL) n/r TCDL 10.0 Lumber DOL 1.15 0.01 Vert(CT) 0.00 8 n/r 120 BCLL Rep Stress Incr WB 0.04 0.00 n/a 0.0 YES Horz(CT) 8 n/a Weight: 77 lb FT = 20% BCDL Code IRC2015/TPI2014 Matrix-S 10.0

LUMBER-

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

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-0-0.

(lb) - Max Horz 2=-68(LC 17)

Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10

Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-10 to 3-8-3, Exterior(2) 3-8-3 to 6-0-0, Corner(3) 6-0-0 to 10-4-13, Exterior(2) 10-4-13 to 12-8-10 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 stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.



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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 property 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/TP11 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

Maria Garcia Residence Job Truss Truss Type Qty Ply 153614059 6 J0822-4079 102 JACK-OPEN Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:10 2022 Page 1 Favetteville, NC - 28314 Comtech. Inc. ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-rPl6ViOw1OcAiQDYgvGwRQiKEmFj?qewrigfbqyoy9Z -0-10-8 1-10-15 0-10-8 1-10-15 Scale = 1:11.7 3 6.00 12 1-10-15 1-10-15 LOADING (psf) SPACING-PLATES GRIP 2-0-0 CSI DEFL. (loc) I/defl L/d TCLL 20.0 Plate Grip DOL 1.15 TC 0.02 Vert(LL) -0.00 MT20 244/190 2 >999 360 TCDL 10.0 Lumber DOL 1.15 BC 0.01 Vert(CT) -0.002 >999 240 BCII 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 3 n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Wind(LL) 0.00 2 240 Weight: 12 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No. TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins. BOT CHORD 2x6 SP No. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=42(LC 12) Max Uplift 3=-31(LC 12), 2=-7(LC 12) Max Grav 3=47(LC 1), 2=128(LC 1), 4=37(LC 3) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1) Wind: ASCE 7-10; Vult= (30mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 4) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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 indigated 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/TPH 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 Qty Truss Truss Type Ply Maria Garcia Residence 153614060 J0822-4079 Jack-Open 37 Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:11 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-KbsUi2OYoik0KZokEcn9_eEU?AbJkHu33MPC7Hyoy9Y -0-10-8 4-0-0 0-10-8 4-0-0 Scale = 1:16.9 6.00 12 044 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl **PLATES** GRIP 1.15 TC 0.08 2-4 >999 360 244/190 TCLL 20.0 Plate Grip DOL Vert(LL) -0.00 MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.05 Vert(CT) -0.01 >999 240 WB 0.00 -0.00 BCLL 0.0 Rep Stress Incr YES Horz(CT) 3 n/a n/a Code IRC2015/TPI2014 FT = 20% BCDL 10.0 Matrix-P Wind(LL) 0.00 2 240 Weight: 22 lb

> **BRACING-**TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

Max Horz 2=75(LC 12)

Max Uplift 3=-60(LC 12), 2=-7(LC 12)

Max Grav 3=108(LC 1), 2=209(LC 1), 4=76(LC 3)

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical

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

NOTES-

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

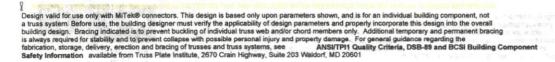




Structural wood sheathing directly applied or 4-0-0 oc purlins.

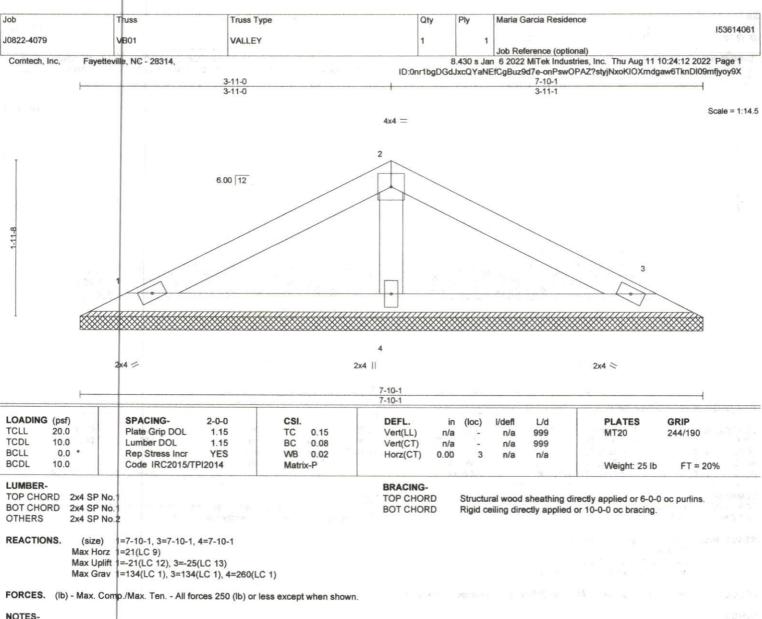
Rigid ceiling directly applied or 10-0-0 oc bracing.

August 12,2022





Edenton, NC 27932



1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult= 30mph 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

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

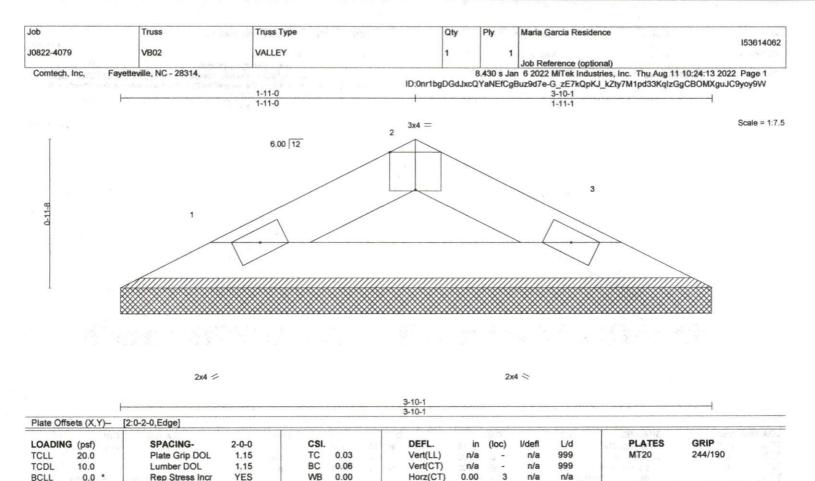


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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design valid for use only writing these connectors. Inside sign is based only upon parameters shown, 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





BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

BCDL

TOP CHORD 2x4 SP No.1

10.0

BOT CHORD 2x4 SP No.1

(size) 1=3-10-1, 3=3-10-1 Max Horz 1=-8(LC 8)

Max Uplift 1=-6(LC 12), 3=-6(LC 13)

Max Grav 1=104(LC 1), 3=104(LC 1)

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

Code IRC2015/TPI2014

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) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-P

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.





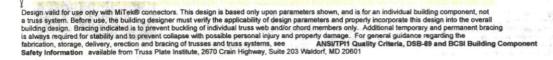
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FT = 20%

Weight: 10 lb

Structural wood sheathing directly applied or 3-10-1 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.





818 Soundside Road Edenton, NC 27932

Job Truss Truss Type Qty Ply Maria Garcia Residence 153614063 J0822-4079 VC01 VALLEY Job Reference (optional) Fayetteville, NC - 28314, Comtech, Inc. 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 1 10:24:14 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-kAXcK4RR5d6bB1XJvlKscGsz2NbWxdQVmKeskbyoy9V 20-8-1 10-4-0 Scale = 1:34.6 4x4 = 6.00 12 5 15 3x4 = 3x4 < 13 12 11 10 3x4 = 20-8-1 20-8-1 Plate Offsets (X,Y)-[5:0-0-0,0-0-0], [6:0-0-0,0-0-0] LOADING (psf) SPACING-DEFL. CSI. I/defl L/d **PLATES** GRIP in (loc) TCLL 20.0 Plate Grip DOL 1.15 TC 0.16 Vert(LL) 999 n/a n/a 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 0.08 Horz(CT) 0.00 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Weight: 80 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 All bearings 20-8-1. REACTIONS. (lb) - Max Horz 1=-63(LC 10)

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=268(LC 1), 12=351(LC 23), 13=263(LC 1),

9=351(LC 24), 8=263(LC 1)

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

WEBS 3-12=-268/202, 5-9=-268/201

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 10-4-0, Exterior(2) 10-4-0 to 14-8-13, Interior(1) 14-8-13 to 20-0-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 13, 9, 8.



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ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Truss Truss Type Qty Ply Maria Garcia Residence Job 153614064 J0822-4079 VC02 VALLEY Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:15 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-CM5?YQR3swESpB6VTSr58UP8inxgg55f_NQG2yoy9U 16-8-1 8-4-0 Scale = 1:30.0 4x4 = 3 6.00 12 12 2x4 || 2x4 || 11 2 13 10 7 6 3x4 < 3x4 / 2x4 || 2x4 || 3x4 = 2x4 || 16-8-1 Plate Offsets (X,Y)-[4:0-0-0,0-0-0] DEFL. PLATES GRIP LOADING (psf) SPACING-2-0-0 (loc) 999 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0.16 Vert(LL) n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.09 Vert(CT) n/a n/a 999 YES WB 0.05 Horz(CT) 0.00 n/a n/a BCLL 0.0 Rep Stress Incr

LUMBER-

OTHERS

BCDI

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

10.0

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Weight: 61 lb

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 16-8-1.

(lb) - Max Horz 1=50(LC 9)

2x4 SP No.2

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6

Code IRC2015/TPI2014

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=262(LC 1), 9=367(LC 23), 6=367(LC 24)

Matrix-S

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

WEBS 2-9=-275/205, 4-6=-275/205

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 8-4-0, Exterior(2) 8-4-0 to 12-8-13, Interior(1) 12-8-13 to 16-0-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 9, 6



FT = 20%

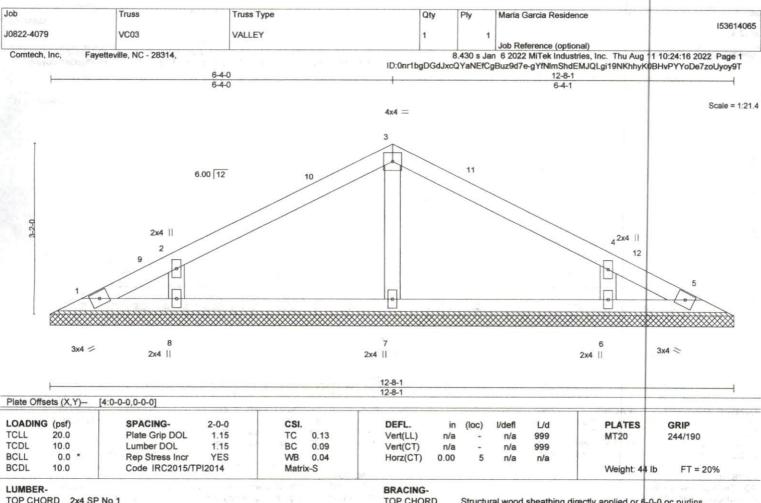
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ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932



BOT CHORD 2x4 SP No.1

OTHERS 2x4 SP No.2 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 12-8-1.

(lb) - Max Horz 1=37(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=286(LC 1), 8=296(LC 23), 6=296(LC 24)

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

NOTES-

- 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 6-4-0, Exterior(2) 6-4-0 to 10-8-13, Interior(1) 10-8-13 to 12-0-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.



August 12,2022

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 property 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/TP11 Quality Criteria, DSB-89 and BCSI Building Collaboration available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Con



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Truss Type 153614066 VALLEY J0822-4079 VC04 Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Thu Aug 11 10:24:16 2022 Page 1 ID:0nr1bgDGdJxcQYaNEfCgBuz9d7e-gYfNlmShdEMJQLgi19NKhhyJ_BHiPYjoDe7zoUyoy9T 8-8-1 4-4-0 Scale = 1:15.7 4x4 = 6.00 12 2x4 = 2x4 || 2x4 > LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP (loc) 20.0 Plate Grip DOL 1.15 TC 0.19 Vert(LL) n/a 999 MT20 244/190 TCLL BC 0.10 Vert(CT) n/a 999 TCDL 10.0 Lumber DOL 1.15 n/a 0.03 BCLL 0.0 Rep Stress Incr YES WB Horz(CT) 0.00 n/a n/a FT = 20% BCDL Code IRC2015/TPI2014 Matrix-P Weight: 28 lb 10.0

BRACING-

TOP CHORD

BOT CHORD

Qty

Ply

Maria Garcia Residence

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER-

Job

Truss

2x4 SP No.1 TOP CHORD 2x4 SP No.1 **BOT CHORD OTHERS** 2x4 SP No.2

REACTIONS.

(size) 1=8-8-1, 3=8-8-1, 4=8-8-1 Max Horz 1=24(LC 9)

Max Uplift 1=-24(LC 12), 3=-28(LC 13)

Max Grav 1=151(LC 1), 3=151(LC 1), 4=292(LC 1)

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

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) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

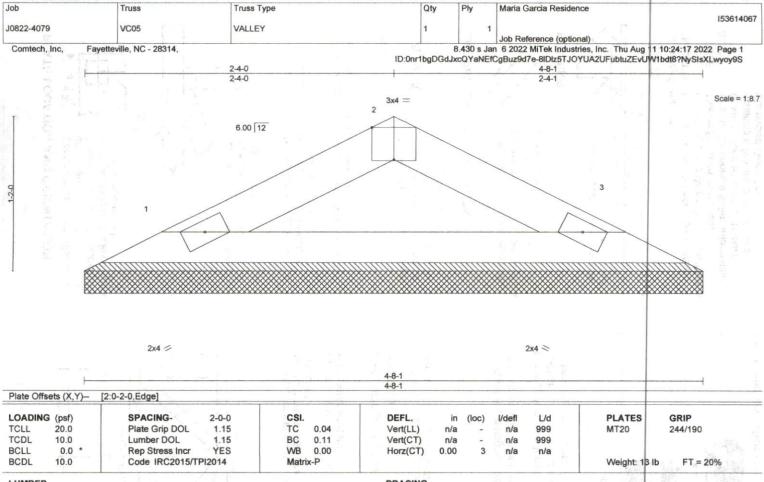




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818 Soundside Road nton, NC 27932



LUMBER-

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

Structural wood sheathing directly applied or 4-8-1 oc purlins, Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=4-8-1, 3=4-8-1

Max Horz 1=11(LC 11)

Max Uplift 1=-8(LC 12), 3=-8(LC 13) Max Grav 1=137(LC 1), 3=137(LC 1)

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

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) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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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



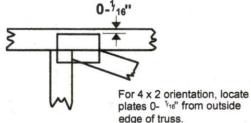
818 Soundside Road Edenton, NC 27932

Lymbols

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.



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/TPI1: National Design Specification for Metal

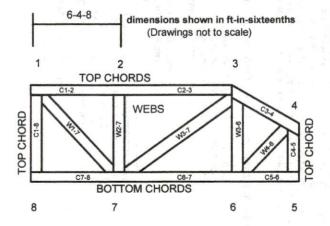
Plate Connected Wood Truss Construction.

DSB-89: BCSI: Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate

Connected Wood Trusses.

Hunbering System



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

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- 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.
- 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.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 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.