

RE: J1024-5772

Weaver Homes/ Lot 5 Maple Hill / Harnett

Site Information:

Customer: Project Name: J1024-5772 Lot/Block: Address: City:

Model: Subdivision: State:

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

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

This package includes 9 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	161792494	A1	11/3/2023
2	161792495	A1GE	11/3/2023
3	161792496	A2	11/3/2023
4	161792497	A2GE	11/3/2023
5	161792498	A3	11/3/2023
6	161792499	C1GE	11/3/2023
7	161792500	D1	11/3/2023
8	161792501	D1GE	11/3/2023
9	161792502	M1GE	11/3/2023

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

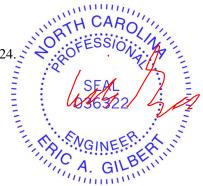
based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2024

North Carolina COA: C-0844

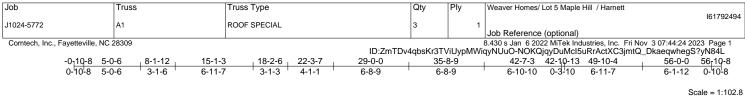
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.

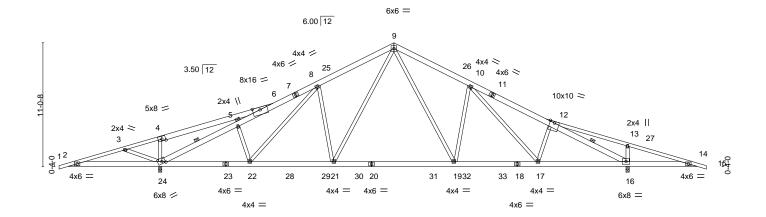


Gilbert, Eric

November 03, 2023

Trenco 818 Soundside Rd Edenton, NC 27932





L	8-1-12	16-1-12	23-6-0	34-6-0	41-10-4	49-10-4	56-0-0
	8-1-12	8-0-0	7-4-4	11-0-0	7-4-4	8-0-0	6-1-12
Plate Offsets (X,Y)	[24:0-3-9,0-2-7]						
LOADING (psf)	SPACING-	2-0-0	CSI.		n (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0 TCDL 10.0	Plate Grip DC Lumber DOL	DL 1.15 1.15	TC 0.72 BC 0.58		5 19-21 >999 360 I 19-21 >999 240	MT20	244/190
BCLL 0.0 * BCDL 10.0	Rep Stress In Code IRC201		WB 0.50 Matrix-S	Horz(CT) 0.08 Wind(LL) 0.07	3 16 n/a n/a 7 21-22 >999 240	Weight: 401 lt	• FT = 20%
	P No.1 *Except*			BRACING- TOP CHORD	Structural wood sheathing c Except:	lirectly applied or 4-6-	9 oc purlins.
BOT CHORD 2x6 S	P No.1				1 Row at midpt	5-24, 12-16	Fucenti
WEBS 2x4 S	P No.2			BOT CHORD	Rigid ceiling directly applied 6-0-0 oc bracing: 2-24,14-1		Ехсері:
REACTIONS. (siz	ze) 24=0-3-8, 16=0	-3-8		JOINTS	1 Brace at Jt(s): 5		

- Max Horz 24=130(I C 12) Max Uplift 24=-307(LC 8), 16=-175(LC 9) Max Grav 24=2402(LC 1), 16=2202(LC 2)
- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-901/918, 3-4=-1059/1174, 4-6=-978/1173, 5-24=-3568/1067, 5-6=-3569/1063, 6-8=-2545/202, 8-9=-2443/422, 9-10=-2489/443, 10-12=-2766/271, 12-16=-3441/905, 12-13=-759/822, 13-14=-845/841 BOT CHORD 2-24=-848/917, 22-24=-107/2353, 21-22=-68/2237, 19-21=0/1691, 17-19=-70/2265, 16-17=-50/2504, 14-16=-754/870 WEBS 3-24=-252/220, 4-24=-505/218, 8-21=-472/234, 9-21=-128/1025, 9-19=-174/1122,
- 10-19=-563/271, 13-16=-455/253, 10-17=-61/301

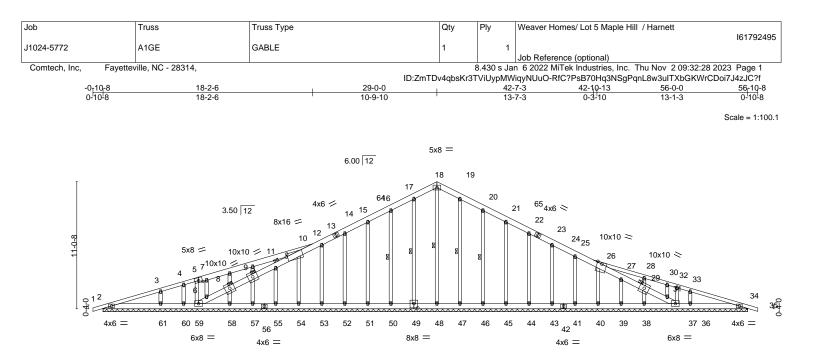
NOTES-

- 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) -0-10-8 to 4-9-9, Interior(1) 4-9-9 to 29-0-0, Exterior(2) 29-0-0 to 34-7-3, Interior(1) 34-7-3 to 56-10-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 24 and 175 lb uplift at joint 16.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent bucking 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)





			56-0-0				
I			56-0-0				
Plate Offsets (X,Y)	[10:0-1-6,0-3-0], [49:0-4-0,0-4-8]						
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.22 BC 0.12 WB 0.12 Matrix-S	DEFL. i Vert(LL) 0.00 Vert(CT) 0.0 Horz(CT) 0.0	1 35 n/r 120	PLATES GRIP MT20 244/190 Weight: 472 lb FT = 20%		
			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins. Except: 6-0-0 oc bracing: 10-12 Rigid ceiling directly applied or 6-0-0 oc bracing, Except:			
OTHERS 2x4 SF			WEBS JOINTS	10-0-0 oc bracing: 2-61,60-61			

REACTIONS. All bearings 56-0-0. (lb) - Max Horz 2=220(LC 16)

- Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 49, 50, 51, 52, 53, 55, 60, 47, 46, 45, 44, 43, 41, 40, 38 except 54=-155(LC 12), 57=-136(LC 1), 58=-192(LC 8), 61=-116(LC 12), 36=-131(LC 9) Max Grav All reactions 250 lb or less at joint(s) 2, 34, 48, 49, 50, 51, 52, 53, 55, 77, 40, 41, 40, 41, 40, 40, 90, 90, 90, 41, 90, 41, 90, 45,
 - 57, 60, 47, 46, 45, 44, 43, 41, 40, 39 except 54=304(LC 1), 58=456(LC 1), 61=350(LC 23), 38=262(LC 24), 36=438(LC 24)
- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- TOP CHORD 14-15=-73/258, 15-16=-93/317, 16-17=-115/380, 17-18=-129/415, 18-19=-129/406,
- 19-20=-115/371, 20-21=-93/308
- WEBS 10-54=-269/229, 8-58=-265/177, 6-7=-598/424, 3-61=-269/307, 33-36=-294/338

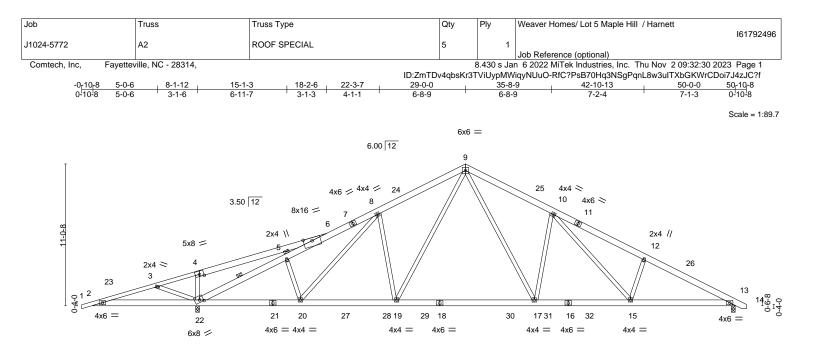
NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 5-0-0, Exterior(2) 5-0-0 to 29-0-0, Corner(3) 29-0-0 to 34-7-3, Exterior(2) 34-7-3 to 56-10-8 zone; cantilever left and right exposed ;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, 34, 49, 50, 51, 52, 53, 55, 60, 47, 46, 45, 44, 43, 41, 40, 38 except (jt=lb) 54=155, 57=136, 58=192, 61=116, 36=131.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)







⊢ −−	8-1-12	16-1-12 8-0-0	23-6-0	34-1		41-10-4 7-4-4	50-0		
Plate Offsets (X,Y)	[22:0-3-9,0-2-7]	0-0-0	/-4-4		5-0	/-4-4	0-1-	12	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/		CSI. TC 0.72 BC 0.59 WB 0.61 Matrix-S	Vert(CT) -0. Horz(CT) 0.	in (loc) l/defl 25 17-19 >999 42 17-19 >999 09 13 n/a 08 19-20 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 366 lb	GRIP 244/190 FT = 20%	
1-4: 2	SP No.1 *Except* 2x4 SP No.1 SP No.1			BRACING- TOP CHORD	Structural woo Except: 1 Row at midp	d sheathing directly	/ applied or 4-1-9 o	oc purlins.	
WEBS 2x4 SP No.2				BOT CHORD					
Max Max	ze) 13=0-3-8, 22=0-3- Horz 22=143(LC 11) Uplift 13=-115(LC 13), 2 Grav 13=1732(LC 2), 22	2=-307(LC 8)		JOINTS	1 Brace at Jt(s): 5			

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-899/918, 3-4=-1044/1173, 4-6=-962/1172, 5-22=-3647/1104, 5-6=-3648/1100,

- 6-8=-2626/285, 8-9=-2527/504, 9-10=-2624/580, 10-12=-3139/637, 12-13=-3234/558 BOT CHORD 2-22=-847/916, 20-22=-105/2415, 19-20=-107/2302, 17-19=-26/1756, 15-17=-172/2376, 13-15=-369/2822
- WEBS 4-22=-506/219, 9-19=-127/1025, 9-17=-237/1208, 10-17=-682/333, 10-15=-194/652, 12-15=-364/242, 8-19=-470/234, 3-22=-252/202

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) -0-10-8 to 4-1-8, Interior(1) 4-1-8 to 29-0-0, Exterior(2) 29-0-0 to 34-0-0, Interior(1) 34-0-0 to 50-8-6 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.

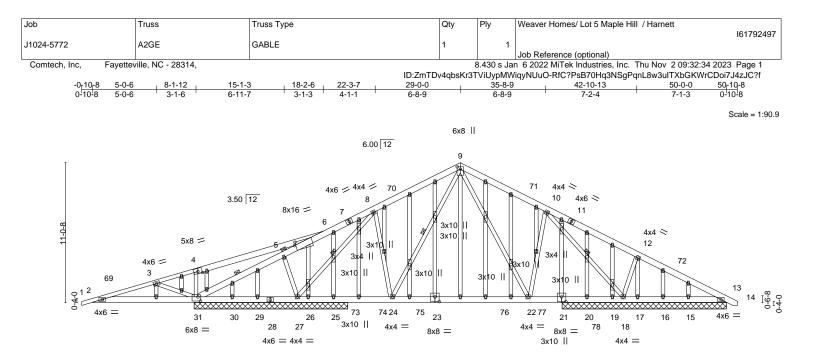
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=115, 22=307.

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



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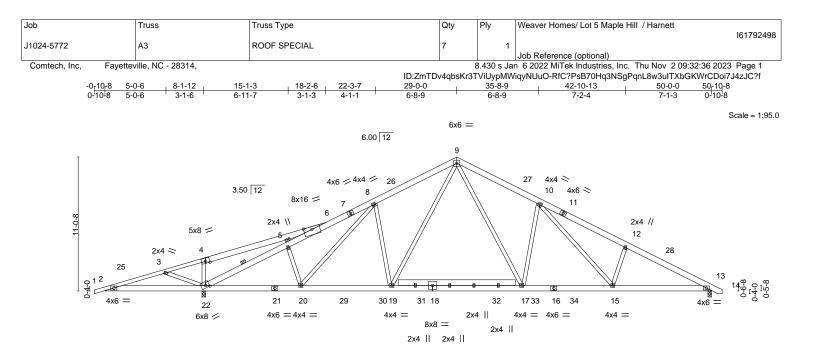


	8-0-0 8-111		23-6-0		34-6-0		41-10-4	50-0-0	
Plate Offsets (X,Y)	8-0-0 0-1 ¹ -1				11-0-0 1-0-2-8 0-4-01		7-4-4	8-1-12	
	[0.0-1-0,0-3-0], [3.0-	2-4,0-3-0], [21.0-4-0	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	[31.0-2-0,0-4-0]					
LOADING(psf)TCLL20.0TCDL10.0BCLL0.0PCDL40.0	SPACING- Plate Grip DC Lumber DOL Rep Stress In	1.15 cr YES	CSI. TC 0.66 BC 0.49 WB 0.57	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.19 22-24 -0.28 22-24 0.02 13	l/defl >999 >859 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC20	15/TPI2014	Matrix-S	Wind(LL)	0.03 22-24	>999	240	Weight: 509 lb	FT = 20%
1-4: 20 BOT CHORD 2x6 SF WEBS 2x4 SF OTHERS 2x4 SF REACTIONS. All b 29= (lb) - Max F (lb) - Max L Max C FORCES. (lb) - Max. TOP CHORD 2:3= 6-8= BOT CHORD BOT CHORD 2:31 25-2 WEBS 4-31 12-1	 No.2 No.2 No.2 earings 12-11-8 exce 12-1-8, 30=12-1-8. forz 31=220(LC 16) Jplift All uplift 100 lb 31=-416(LC 8), Grav All reactions 22 except 13=255(Comp./Max. Ten A -425/940, 3-4=-540/1 -104/400, 8-9=-928/3 =-867/464, 30-31=-22 6=-64/793, 24-25=-64 	or less at joint(s) 1 18=-436(LC 13), 27 50 lb or less at joint LC 24), 31=1256(L Il forces 250 (lb) or 220, 4-6=-457/122 51, 9-10=-996/346 33/260, 29-30=-253 4/793, 22-24=0/728 5/262, 9-22=-141/38	(s) 25, 26, 29, 30, 20, 19, C 1), 18=1281(LC 2), 27= (less except when shown 7, 5-31=-965/385, 5-6=-98 (260, 27-29=-253/260, 26 , 20-22=0/805, 19-20=0/8 32, 10-22=-59/290, 10-18	except 17, 16, 15 1234(LC 2)	Except 1 Row D Rigid c 6-0-0 c 1 Row	t: at midpt ceiling dire	5 ectly applied (j: 2-31,30-31, 9	rectly applied or 6-0-0 of 5-31 or 10-0-0 oc bracing, 1 29-30,27-29. 9-24, 10-18, 8-27	Except:
gable end zone and 50-8-6 zone;C-C for 3) Truss designed for Gable End Details a 4) All plates are 2x4 M 5) Gable studs spaced 6) This truss has been 7) * This truss has been will fit between the I 8) Provide mechanical 19, 15 except (jt=lb)	Vult=130mph Vasd=1 I C-C Exterior(2) -0-10 r members and forces wind loads in the plar as applicable, or cons IT20 unless otherwise at 2-0-0 oc. designed for a 10.0 p en designed for a 10.0 p ottom chord and any connection (by other) 31=416, 18=436, 27	03mph; TCDL=6.0 0-8 to 4-1-8, Interio 8 & MWFRS for rea- te of the truss only. ult qualified building- indicated. basf bottom chord livi- load of 30.0psf on to other members, w s) of truss to bearir =360.	bsf; BCDL=6.0psf; h=15ft; r(1) 4-1-8 to 29-0-0, Exter ctions shown; Lumber DC For studs exposed to wi g designer as per ANSI/TI e load nonconcurrent witt the bottom chord in all are	ior(2) 29-0-0 to 34 DL=1.60 plate grip nd (normal to the f Pl 1. n any other live loa nas where a rectar anding 100 lb uplift	-0-0, Interior(1 DOL=1.60 ace), see Stan ds. gle 3-6-0 tall b at joint(s) 13,) 34-0-0 t dard Indu y 2-0-0 w 25, 26, 30	o stry ide	SEA 036	AL 322
Design valid for use	only with MiTek® connecto	rs. This design is based	D INCLUDED MITEK REFERENCE only upon parameters shown, a	nd is for an individual b	uilding component	, not			

Design valid for use only with Mil eKW 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 oblages 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/TPI Quality** Criteria and DSE-22 available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



nc.



H	8-1-12 8-1-12	<u>16-1-12</u> 8-0-0	23-6-0		1-6-0 -0-0		1-10-4 7-4-4	50-0-0	
Plate Offsets (X,Y)	[22:0-3-9,0-2-7]	0-0-0	1-4-4		1-0-0			0-1-12	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 TCDL 10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC 0.72 BC 0.58	()	-0.25 17-19 -0.42 17-19		360 240	MT20	244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/T	YES PI2014	WB 0.61 Matrix-S	Horz(CT) Wind(LL)	0.09 13 0.08 19-20		n/a 240	Weight: 389 lb	FT = 20%
LUMBER- TOP CHORD 2x6 SP No.1 *Except* 1-4: 2x4 SP No.1					ACING- P CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins. Except: 1 Row at midpt 5-22				
BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.2				BOT CHOR	D Rigid c	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-22.			
				JOINTS	1 Brac	e at Jt(s): 5			
Max Max	ze) 13=0-3-8, 22=0-3-8 Horz 22=143(LC 11) Jplift 13=-115(LC 13), 22 Grav 13=1721(LC 2), 22=	=-307(LC 8)							

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-899/918, 3-4=-1044/1173, 4-6=-962/1172, 5-22=-3626/1104, 5-6=-3627/1100,

- 6-8=-2603/285, 8-9=-2501/504, 9-10=-2598/580, 10-12=-3117/637, 12-13=-3211/558 BOT CHORD 2-22=-847/916, 20-22=-105/2395, 19-20=-107/2279, 17-19=-26/1739, 15-17=-172/2353, 13-15=-369/2802
- WEBS 4-22=-506/219, 9-19=-127/1012, 9-17=-237/1195, 10-17=-682/333, 10-15=-194/652, 12-15=-364/242, 8-19=-470/234, 3-22=-252/202

NOTES-

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

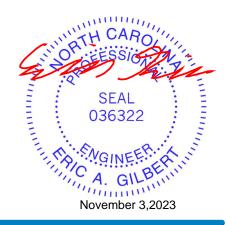
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 4-1-8, Interior(1) 4-1-8 to 29-0-0, Exterior(2) 29-0-0 to 34-0-0, Interior(1) 34-0-0 to 50-8-6 zone; cantilever left exposed ;C-C for members and forces & 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.

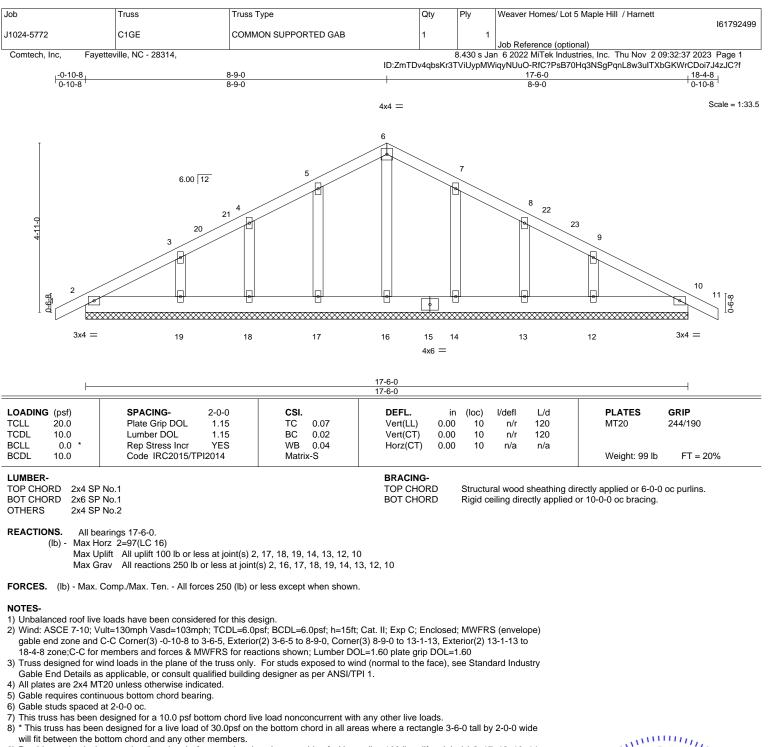
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=115, 22=307.

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



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9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 18, 19, 14, 13, 12, 10.

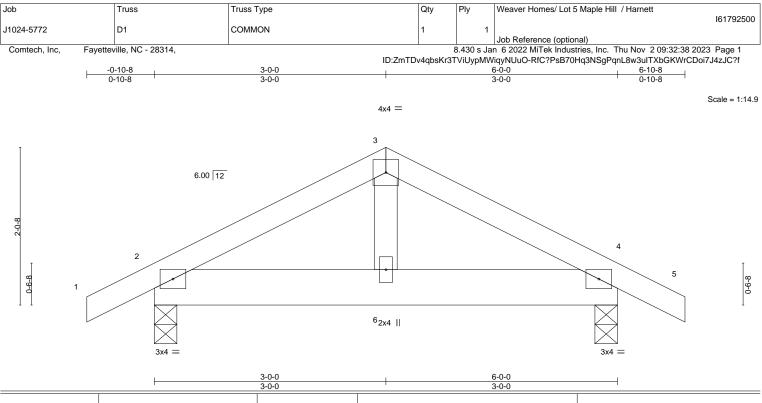
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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TRENCO A MiTek Affiliate

818 Soundside Road



				3-0-0	· · ·			3-0-0			
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC 0.10	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matrix-P	Wind(LL)	0.00	6	>999	240	Weight: 29 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.1BOT CHORD2x6 SP No.1WEBS2x4 SP No.2

WEBS 2x4 SP No.2 **REACTIONS.** (size) 2=0-3-8, 4=0-3-8 Max Horz, 2=25(1, C, 11)

Max Horz 2=25(LC 11) Max Uplift 2=-28(LC 12), 4=-28(LC 13) Max Grav 2=290(LC 1), 4=290(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-254/105, 3-4=-254/105

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.

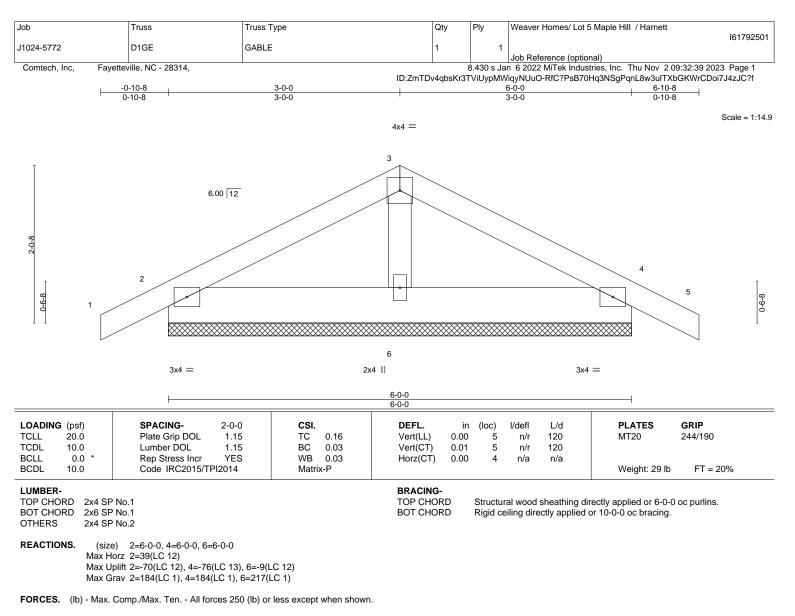
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



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

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

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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) 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.

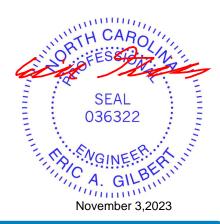
4) Gable requires continuous bottom chord bearing.

5) Gable studs spaced at 2-0-0 oc.

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

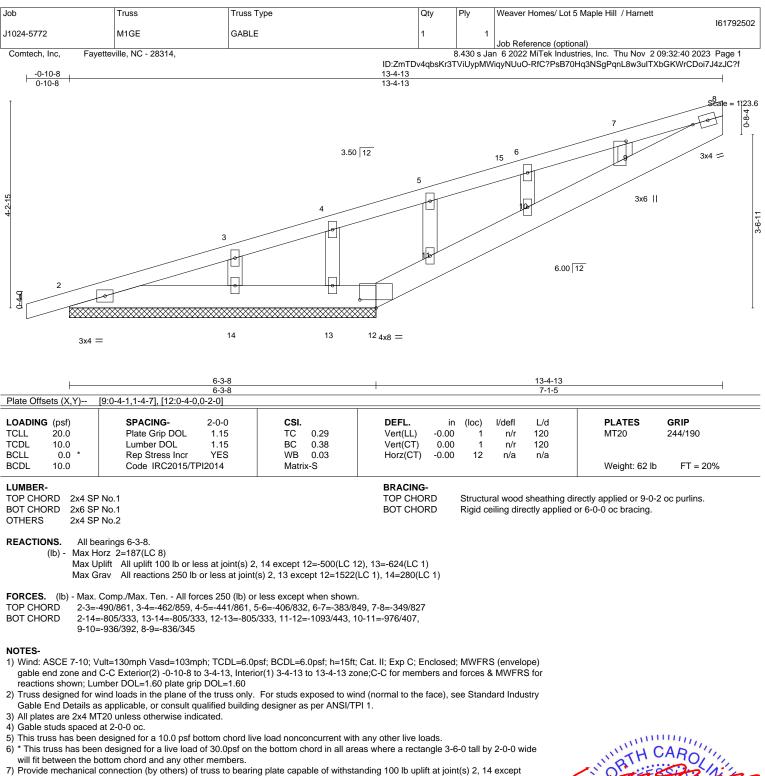
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.



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(jt=lb) 12=500, 13=624.

8) Non Standard bearing condition. Review required.



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