

Trenco 818 Soundside Rd Edenton, NC 27932

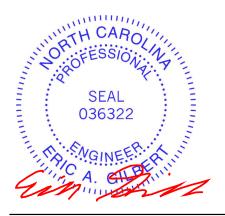
Re: J0623-3277 4310 Carthage Road West End

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

Pages or sheets covered by this seal: I59129383 thru I59129415

My license renewal date for the state of North Carolina is December 31, 2023.

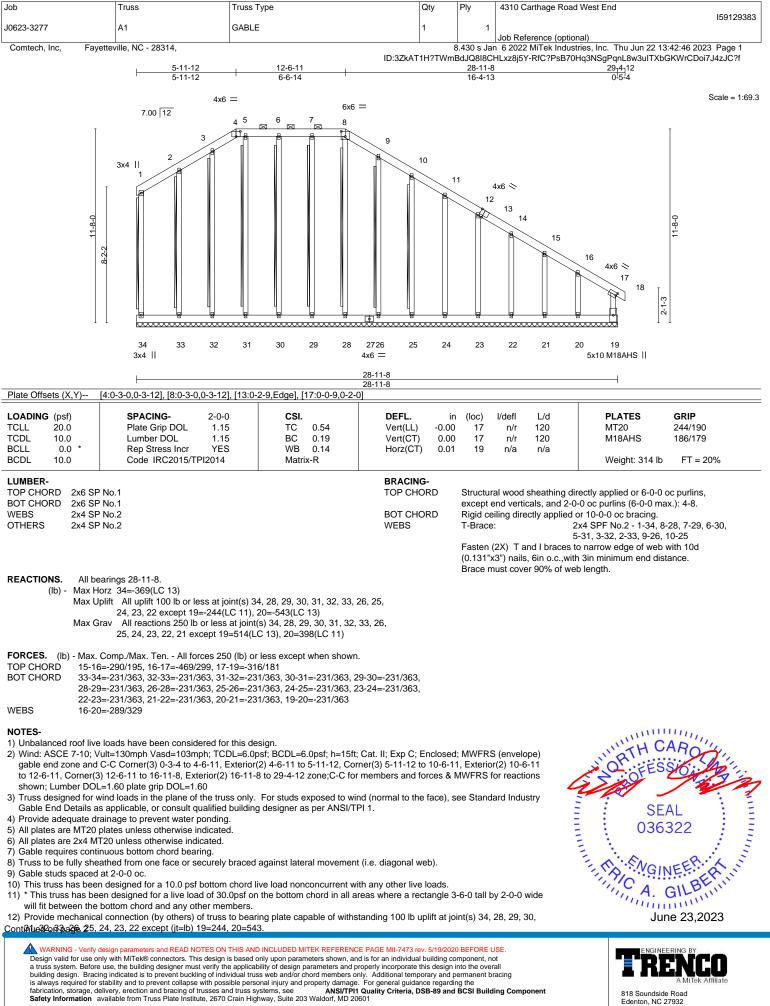
North Carolina COA: C-0844



June 23,2023

Gilbert, Eric

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



818 Soundside Road Edenton, NC 27932

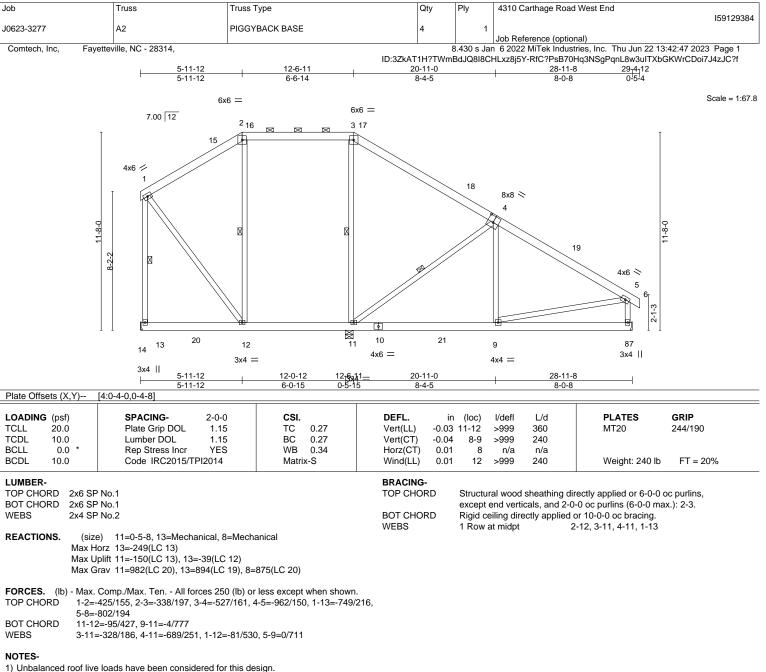
[Job	Truss	Truss Type	Qty	Ply	4310 Carthage Road West End
	J0623-3277	A1	GABLE	1	1	159129383
	JU023-3277	AI	GABLE	1		Job Reference (optional)
	Comtech, Inc, Fayettev	ille, NC - 28314,		6	3.430 s Jar	6 2022 MiTek Industries, Inc. Thu Jun 22 13:42:46 2023 Page 2
			ID:3ZkAT	1H?TWml	3dJQ8I8CI	HLxz8j5Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

NOTES-

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 5-11-12, Exterior(2) 5-11-12 to 12-2-7, Interior(1) 12-2-7 to 12-6-11, Exterior(2) 12-6-11 to 18-9-6, Interior(1) 18-9-6 to 29-4-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber 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.

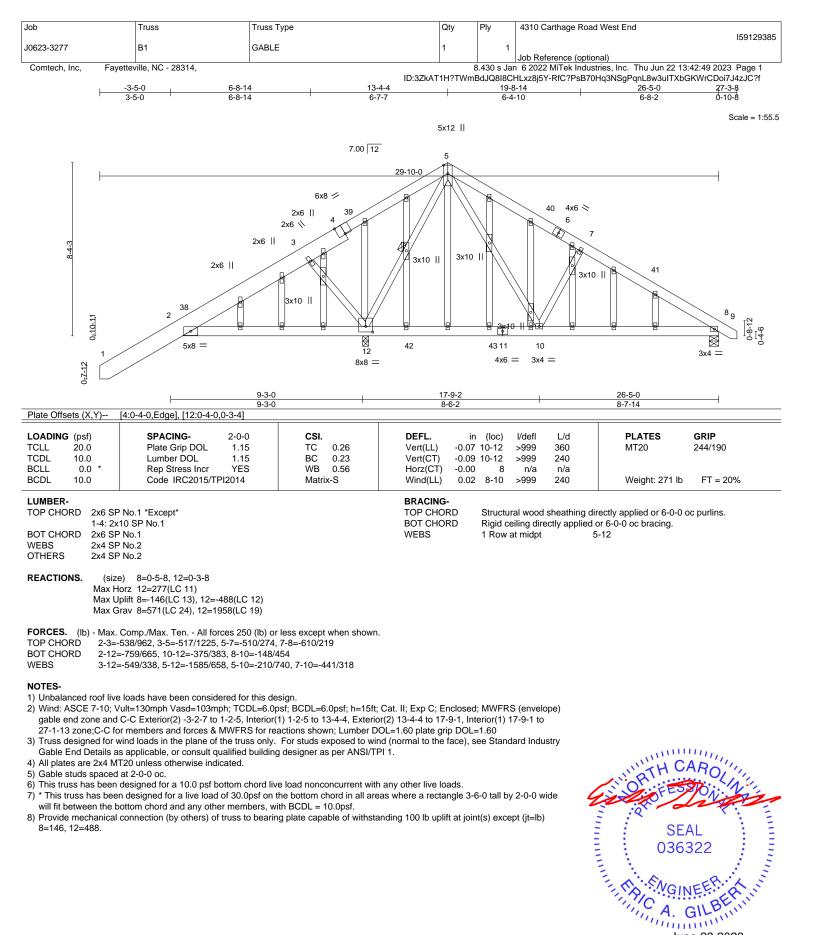
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 11=150.

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



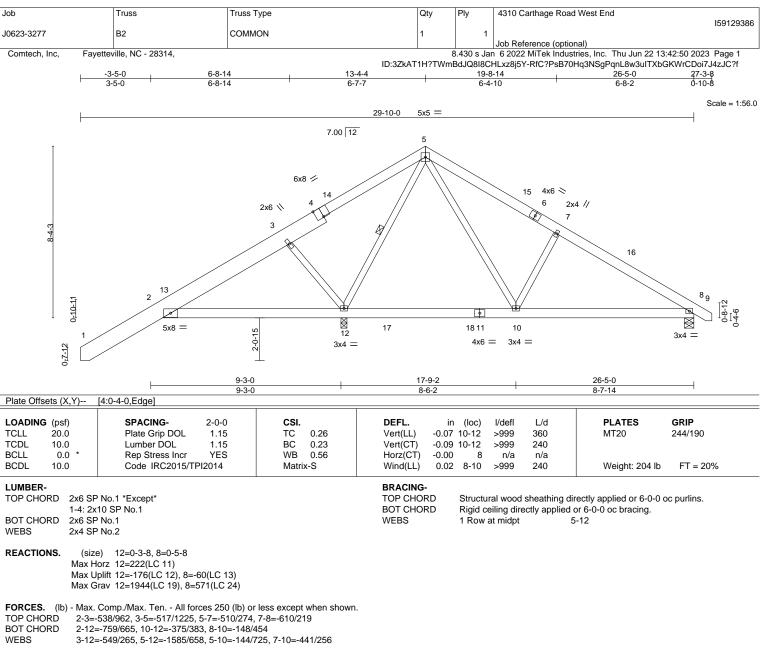
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss system. See MSI/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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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) -3-2-7 to 1-2-5, Interior(1) 1-2-5 to 13-4-4, Exterior(2) 13-4-4 to 17-9-1, Interior(1) 17-9-1 to 27-1-13 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.

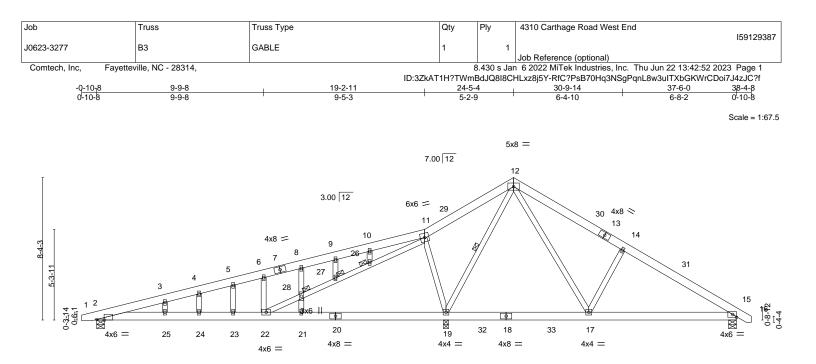
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 12=176.



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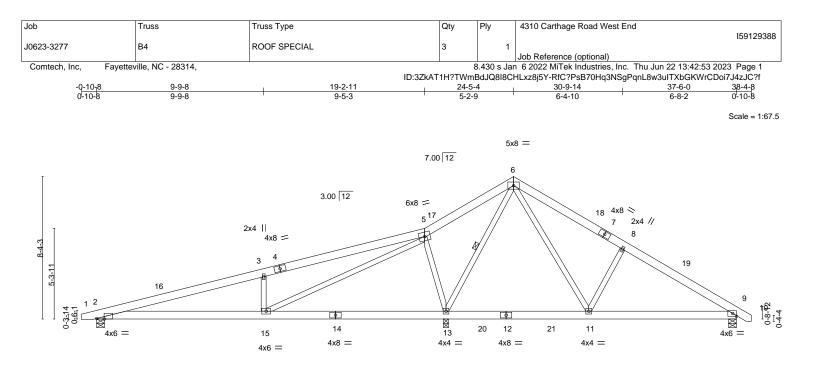
L	9-9-8	20-5-12	28-10-2	37-6-0
I	9-9-8	10-8-4	8-4-6	8-7-14
Plate Offsets (X,Y)	[2:0-5-4,Edge]			
LOADING (psf)	SPACING- 2-0-0	CSI. DEF	()	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.22 Vert	,	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36 Vert		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54 Horz		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S Wind	(LL) 0.11 24-25 >999 240	Weight: 257 lb FT = 20%
LUMBER-			CING-	-
	SP No.1		0	lirectly applied or 6-0-0 oc purlins.
	SP No.1		CHORD Rigid ceiling directly applied	5
	SP No.2	WEB		12-19
OTHERS 2x4	SP No.2	JOIN	TS 1 Brace at Jt(s): 26, 27, 28	
Max Max	size) 2=0-5-8, 19=0-3-8, 15=0-5-8 < Horz 2=257(LC 11) < Uplift 2=-210(LC 8), 19=-468(LC 12), 15 < Grav 2=648(LC 23), 19=1953(LC 1), 15			
FORCES. (lb) - Ma	ax. Comp./Max. Ten All forces 250 (lb)	or less except when shown.		
TOP CHORD 2-3	3=-1156/298, 3-4=-1113/325, 4-5=-1092/3	339, 5-6=-1074/361, 6-8=-1164/401,		
8-9	9=-1120/435, 9-10=-1102/444, 10-11=-11	17/471, 11-12=-183/930, 12-14=-488/2	287,	
14	-15=-628/224			
BOT CHORD 2-2	25=-327/1072, 24-25=-327/1072, 23-24=-	327/1072, 22-23=-327/1072, 21-22=-5	95/290,	
19	-21=-595/290, 17-19=-251/268, 15-17=-7	8/459		
WEBS 6-2	22=-467/140, 22-28=-619/1865, 27-28=-5	93/1809, 26-27=-600/1822, 11-26=-63	3/1907,	
11	-19=-601/338, 12-19=-1305/259, 12-17=-	205/729, 14-17=-435/316		
NOTES-				
	live loads have been considered for this of			
); Vult=130mph Vasd=103mph; TCDL=6.0			

- 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) -0-6-15 to 4-0-0, Interior(1) 4-0-0 to 24-5-4, Exterior(2) 24-5-4 to 28-10-1, Interior(1) 28-10-1 to 38-2-11 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=210, 19=468, 15=182.



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1	9-9-8	20-5-12	1	28-10-2	37-6-0	1
	9-9-8	10-8-4	1	8-4-6	8-7-14	1
Plate Offsets (X,Y)	[2:0-5-4,Edge]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	TC 0.37 BC 0.32 WB 0.73	Vert(LL) -0.08 Vert(CT) -0.16 Horz(CT) 0.00) 9 n/a n/a	MT20 2	GRIP 244/190
CDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.06	6 2-15 >999 240	Weight: 245 lb	FT = 20%
UMBER- OP CHORD 2x6 SI	P No.1		BRACING- TOP CHORD	Structural wood sheathing	directly applied or 6-0-0 oc	ourline
	P No.1		BOT CHORD	Rigid ceiling directly applied		
	P No.2		BOT CHORD	10-0-0 oc bracing: 2-15.	a of 0-0-0 oc bracing, Exc	ept.
			WEBS	1 Row at midpt	6-13	
EACTIONS (cit	(20) $(2-0)$ (20) $(2-0)$ (20)					

REACTIONS. (size) 2=0-5-8, 13=0-3-8, 9=0-5-8 Max Horz 2=193(LC 11) Max Uplift 2=-95(LC 8), 13=-161(LC 12), 9=-80(LC 13)

Max Grav 2=632(LC 23), 13=1989(LC 1), 9=565(LC 24)

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

TOP CHORD 2-3=-1130/194, 3-5=-1142/295, 5-6=-57/985, 6-8=-446/183, 8-9=-595/130

BOT CHORD 2-15=-116/1034, 13-15=-647/224, 11-13=-285/186, 9-11=-62/443

WEBS 3-15=-634/297, 5-15=-375/1873, 5-13=-605/275, 6-13=-1350/242, 6-11=-137/720, 8-11=-437/248

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) -0-6-15 to 3-9-14, Interior(1) 3-9-14 to 24-5-4, Exterior(2) 24-5-4 to 28-10-1, Interior(1) 28-10-1 to 38-2-11 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

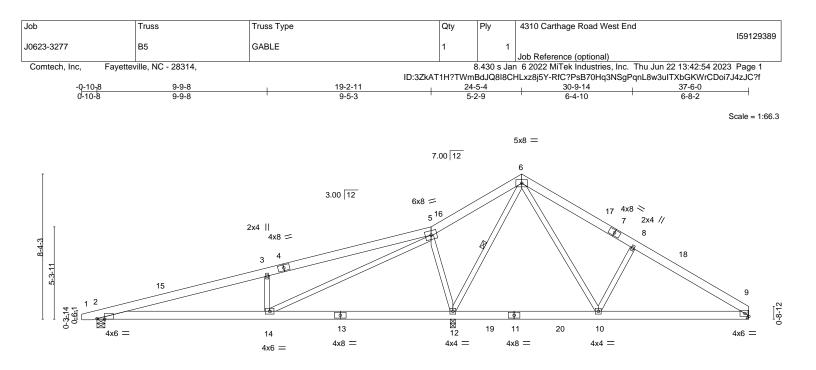
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9 except (jt=lb) 13=161.



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1	9-9-8	20-5-12	1	28-10-2	37-6-0
	9-9-8	10-8-4	I	8-4-6	8-7-14
late Offsets (X,Y)	[2:0-5-4,Edge]			1	
OADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(,	PLATES GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.37	- ()	10-12 >999 360	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.32	- (-)	2-14 >999 240	
3CLL 0.0 *	Rep Stress Incr YES	WB 0.73	Horz(CT) 0.00	9 n/a n/a	
3CDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.06	2-14 >999 240	Weight: 243 lb FT = 20%
UMBER-			BRACING-		
FOP CHORD 2x6 S	P No.1		TOP CHORD	Structural wood sheathing dire	ectly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 S	P No.1		BOT CHORD	Rigid ceiling directly applied o	
	P No.2			10-0-0 oc bracing: 2-14.	с
			WEBS	1 Row at midpt 6-	12

REACTIONS. (size) 2=0-5-8, 12=0-3-8, 9=Mechanical Max Horz 2=191(LC 9) Max Uplift 2=-94(LC 8), 12=-161(LC 12), 9=-66(LC 13)

Max Grav 2=631(LC 23), 12=1997(LC 1), 9=512(LC 24)

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

TOP CHORD 2-3=-1129/191, 3-5=-1141/291, 5-6=-58/990, 6-8=-457/185, 8-9=-603/131

BOT CHORD 2-14=-117/1033, 12-14=-652/222, 10-12=-285/184, 9-10=-59/459

WEBS 3-14=-634/297, 5-14=-374/1874, 5-12=-604/274, 6-12=-1360/245, 6-10=-141/737, 8-10=-446/254

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) -0-6-15 to 3-9-14, Interior(1) 3-9-14 to 24-5-4, Exterior(2) 24-5-4 to 28-10-1, Interior(1) 28-10-1 to 37-5-0 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 studs spaced at 2-0-0 oc.

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

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

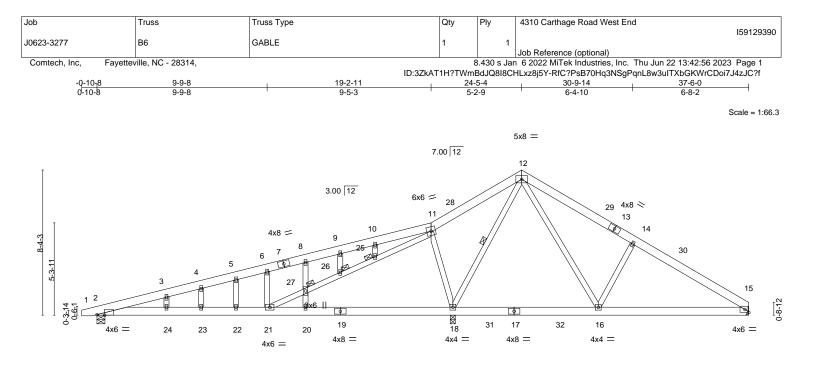
7) Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9 except (jt=lb) 12=161.



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ł	9-9-8	<u>20-5-12</u> 10-8-4		<u>28-10-2</u> 8-4-6	<u>37-6-0</u> 8-7-14					
Plate Offsets (X,Y) [2:0-5-4,Edge]									
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 0.36 WB 0.54 Matrix-S	Vert(LL) -0.0 Vert(CT) -0.1 Horz(CT) 0.1	19 23-24 >999 240	-	GRIP 244/190 FT = 20%				
BRACING- TOP CHORD 2x6 SP No.1BOT CHORD 2x6 SP No.1TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.BOT CHORD 2x6 SP No.1BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.WEBS 2x4 SP No.2WEBS 1 Row at midpt 12-18OTHERS 2x4 SP No.2JOINTS 1 Brace at Jt(s): 25, 26, 27										
N										
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1154/296, 3-4=-1111/323, 4-5=-1091/338, 5-6=-1073/360, 6-8=-1163/399, 8-9=-1119/434, 9-10=-1101/442, 10-11=-1116/470, 11-12=-185/935, 12-14=-499/289, 14-15=-624/227										
WEBS	BOT CHORD 2-24–-328/1070, 23-24=-328/1070, 22-23=-328/1070, 21-22=-328/1070, 20-21=-599/288, 18-20=-599/288, 16-18=-251/266, 15-16=-91/475									

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-6-15 to 4-0-0, Interior(1) 4-0-0 to 24-5-4, Exterior(2) 24-5-4 to 28-10-1, Interior(1) 28-10-1 to 37-5-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.

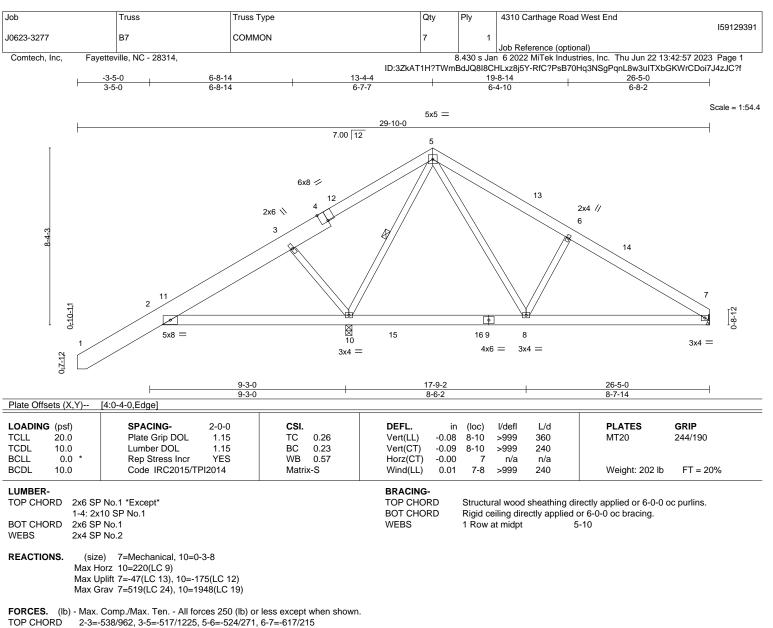
5) Gable studs spaced at 2-0-0 oc.

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=210, 18=469, 15=155.





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- BOT CHORD
- 2-10=-759/664. 8-10=-376/378. 7-8=-145/471 WEBS 3-10=-550/265, 5-10=-1590/656, 5-8=-145/742, 6-8=-448/261

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) -3-2-7 to 1-2-5, Interior(1) 1-2-5 to 13-4-4, Exterior(2) 13-4-4 to 17-9-1, Interior(1) 17-9-1 to 26-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

* 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 4) will fit between the bottom chord and any other members, with BCDL = 10.0psf.

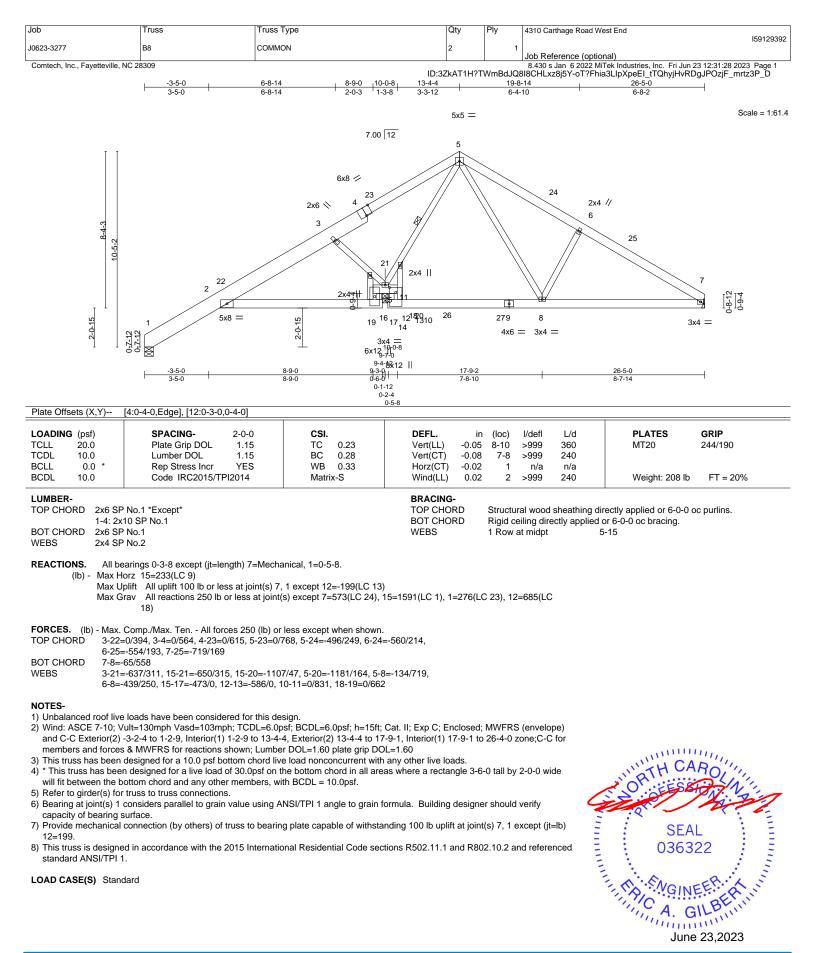
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 10=175.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss system. See MSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

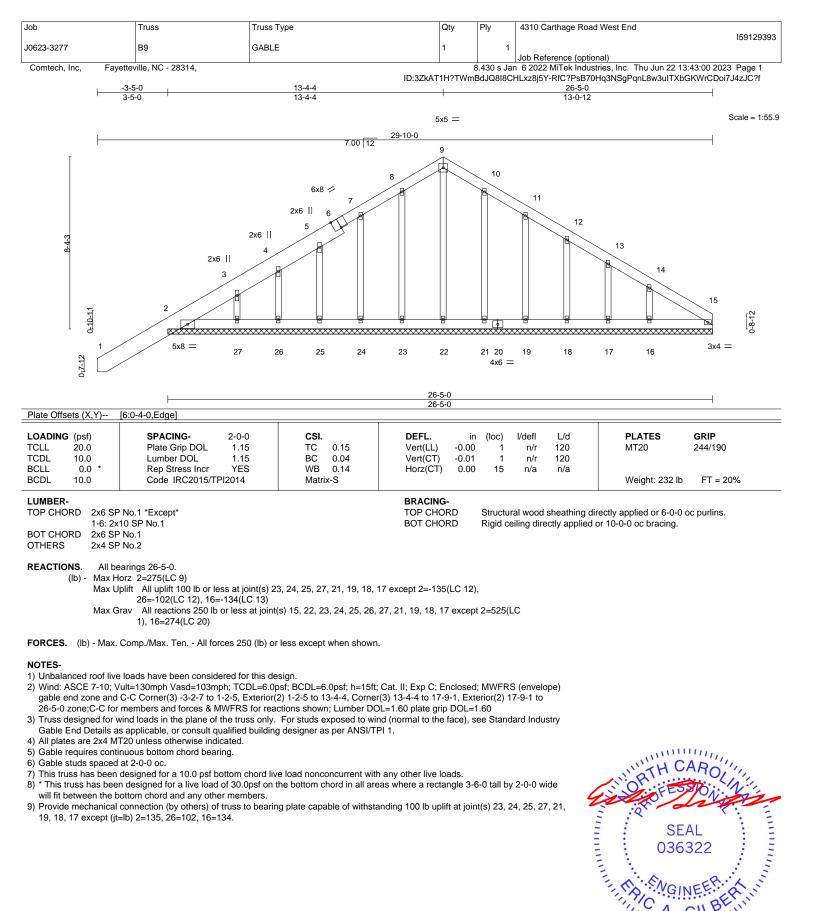








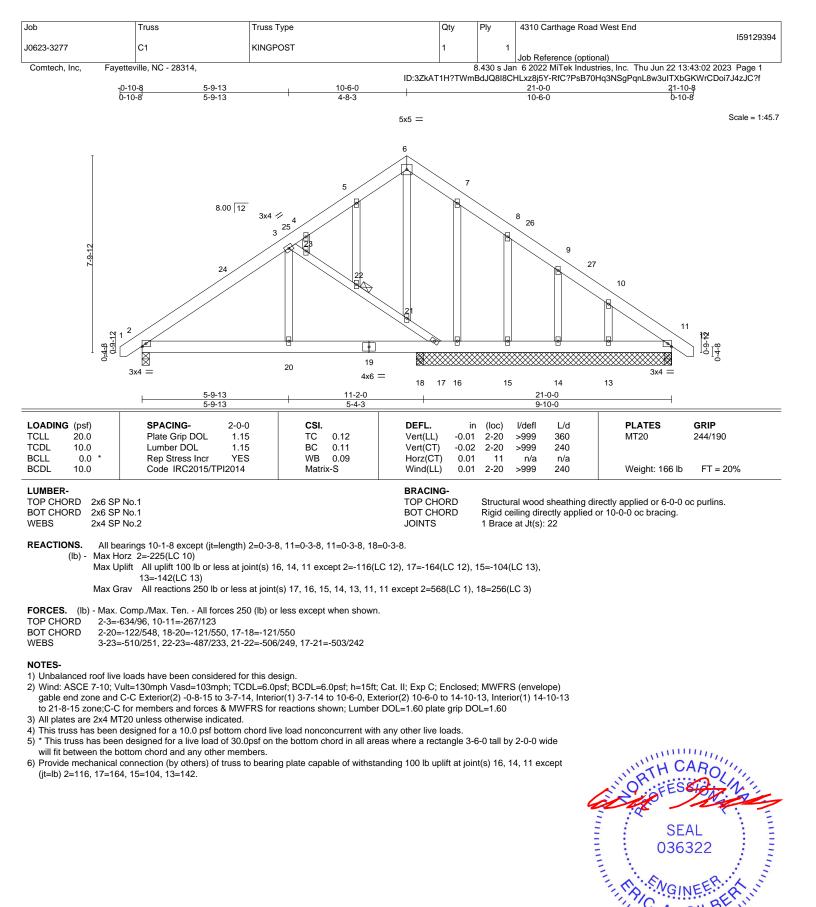
Edenton, NC 27932



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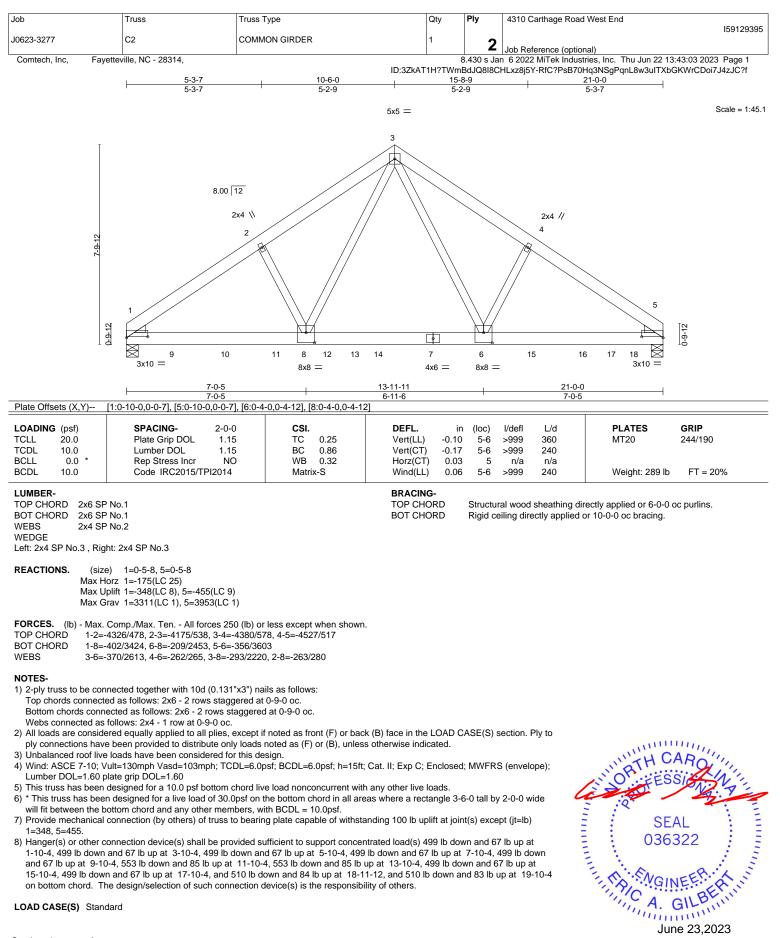
4. GILP:



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June 23,2023



Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. 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 system. See MSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



[Job	Truss	Truss Type	Qty	Ply	4310 Carthage Road West End
						159129395
	J0623-3277	C2	COMMON GIRDER	1	2	
						Job Reference (optional)
	Comtech, Inc, Fayettev	ille, NC - 28314,			8.430 s Jar	6 2022 MiTek Industries, Inc. Thu Jun 22 13:43:04 2023 Page 2
l	Comtech, Inc, Fayettev	ille, NC - 28314,		;		

ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard

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

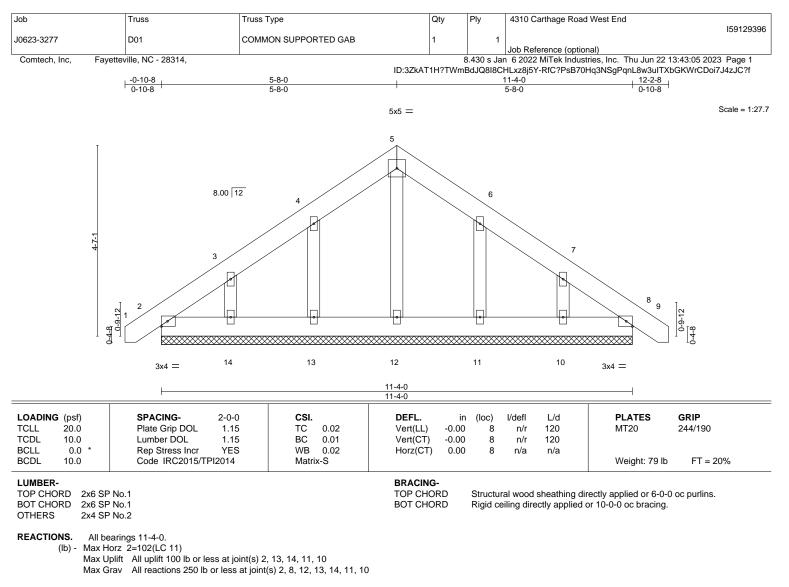
Uniform Loads (plf) Vert: 1-3=-60, 3-5=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 7=-553(F) 6=-553(F) 9=-499(F) 10=-499(F) 11=-499(F) 12=-499(F) 14=-499(F) 15=-499(F) 15=-499(F) 16=-499(F) 17=-510(F) 18=-510(F)

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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 Corner(3) -0-8-15 to 3-8-0, Exterior(2) 3-8-0 to 5-8-0, Corner(3) 5-8-0 to 10-0-13, Exterior(2) 10-0-13 to 12-0-15 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.

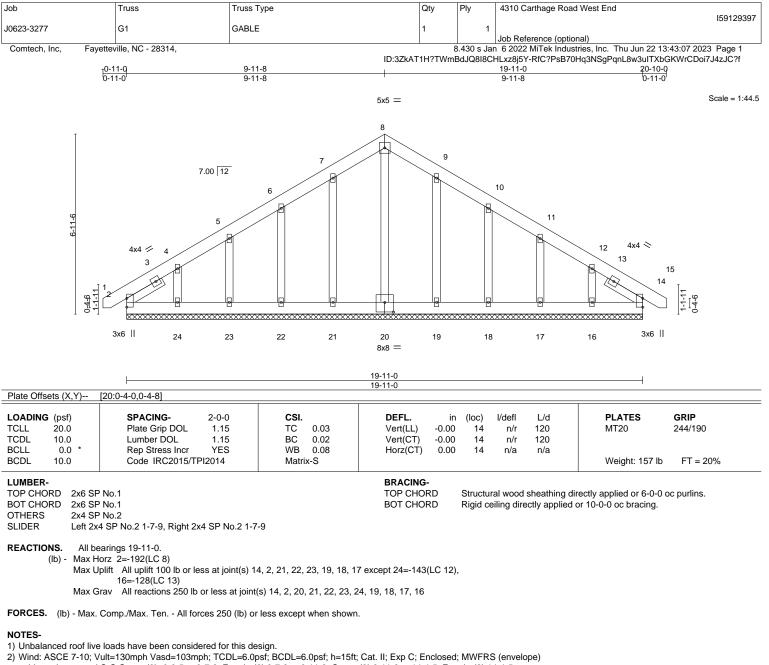
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 14, 11, 10.
 Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.



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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) -0-9-5 to 3-7-8, Exterior(2) 3-7-8 to 9-11-8, Corner(3) 9-11-8 to 14-4-5, Exterior(2) 14-4-5 to 20-8-5 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.

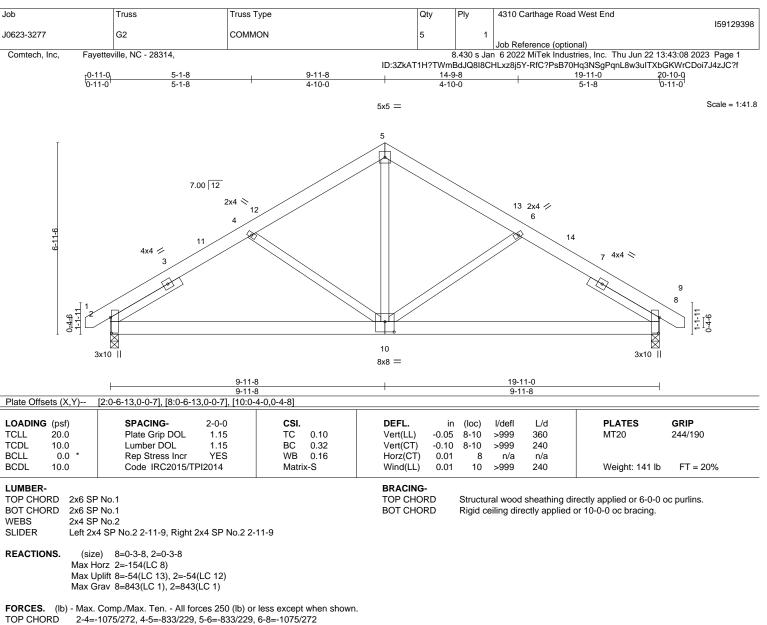
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 2, 21, 22, 23, 19, 18, 17 except (jt=lb) 24=143, 16=128.



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TOP CHORD

BOT CHORD 2-10=-144/840. 8-10=-139/817

WEBS 5-10=-71/522, 6-10=-263/185, 4-10=-263/185

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) -0-9-5 to 3-7-8, Interior(1) 3-7-8 to 9-11-8, Exterior(2) 9-11-8 to 14-4-5, Interior(1) 14-4-5 to 20-8-5 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.

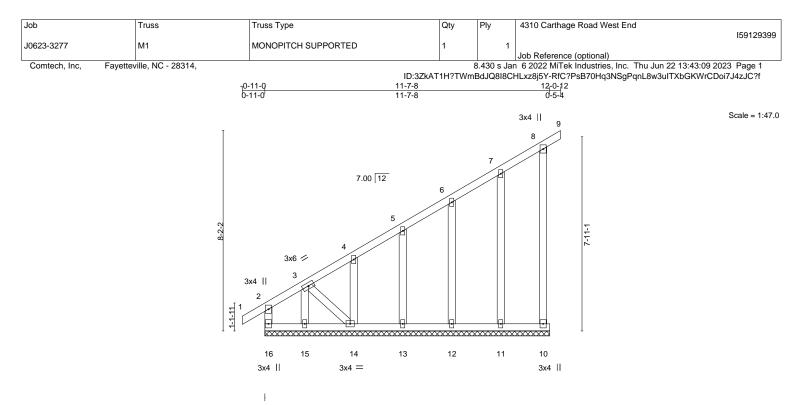
* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 4) will fit between the bottom chord and any other members.

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



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818 Soundside Road Edenton, NC 27932



LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	тс	0.09	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TI	PI2014	Matri	x-S						Weight: 84 lb	FT = 20%

LUMBER-

 TOP CHORD
 2x4 SP No.1

 BOT CHORD
 2x4 SP No.1

 WEBS
 2x4 SP No.2

 OTHERS
 2x4 SP No.2

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 11-7-8.

(lb) - Max Horz 16=240(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 10, 11, 12, 13, 15 except 14=-202(LC 12) Max Grav All reactions 250 lb or less at joint(s) 16, 10, 11, 12, 13, 14, 15

- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- TOP CHORD 3-4=-313/247, 4-5=-253/198
- BOT CHORD 15-16=-293/224, 14-15=-293/224
- WEBS 3-15=-318/184, 3-14=-298/392

NOTES-

- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -0-10-8 to 3-8-0, Exterior(2) 3-8-0 to 12-1-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

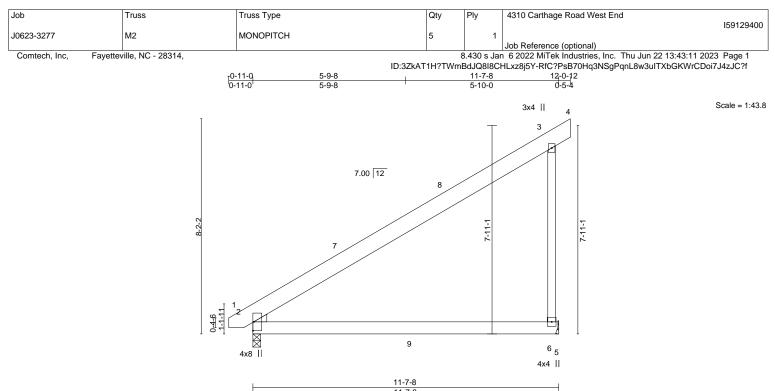
6) Gable studs spaced at 2-0-0 oc.

- 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) 10, 11, 12, 13, 15 except (jt=lb) 14=202.



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				11-7-8
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) -0.21 2-6 >652 360 MT20 244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.55	Vert(CT) -0.37 2-6 >365 240
BCLL	0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 6 n/a n/a
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.06 2-6 >999 240 Weight: 85 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

 TOP CHORD
 2x8 SP No.1

 BOT CHORD
 2x6 SP No.1

 WEBS
 2x4 SP No.2

 WEDGE
 Left: 2x4 SP No.2

REACTIONS. (size) 6=Mechanical, 2=0-3-8

3-6=-437/288

Max Horz 2=240(LC 12) Max Uplift 6=-137(LC 12) Max Grav 6=708(LC 19), 2=527(LC 19)

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

NOTES-

TOP CHORD

 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) -0-7-1 to 3-9-12, Interior(1) 3-9-12 to 12-1-4 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, with BCDL = 10.0psf.

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) except (jt=lb) 6=137.

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

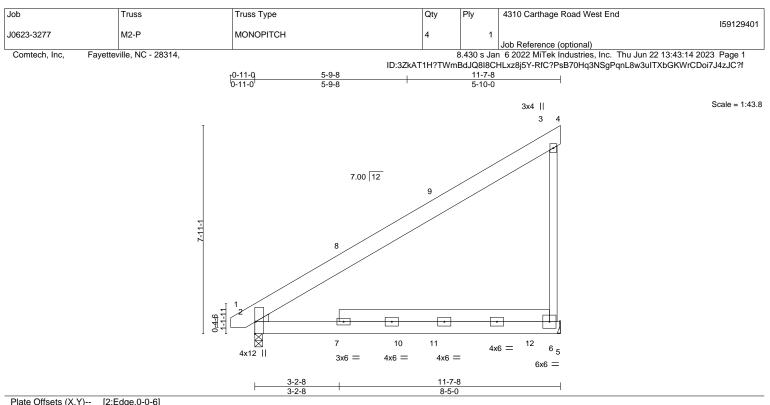
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

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SEAL 036322 June 23,2023



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 0.46	Vert(LL) -0.05	2-6	>999	360	MT20 244/190	
TCDL 10.0	Lumber DOL 1.15	BC 0.54	Vert(CT) -0.16	2-6	>858	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03	2-6	>999	240	Weight: 102 lb FT = 2	:0%

LUMBER-

 TOP CHORD
 2x8 SP No.1

 BOT CHORD
 2x6 SP No.1

 WEBS
 2x4 SP No.2 *Except*

 6-7: 2x6 SP No.1

 BRACING

 TOP CHORD
 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

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

WEDGE Left: 2x4 SP No.2

. . . .

REACTIONS. (size) 6=Mechanical, 2=0-3-8 Max Horz 2=233(LC 12) Max Grav 6=793(LC 19), 2=575(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-6=-407/265

NOTES-

 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) -0-7-1 to 3-9-12, Interior(1) 3-9-12 to 11-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) 200.0lb AC unit load placed on the bottom chord, 8-0-0 from left end, supported at two points, 5-0-0 apart.

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

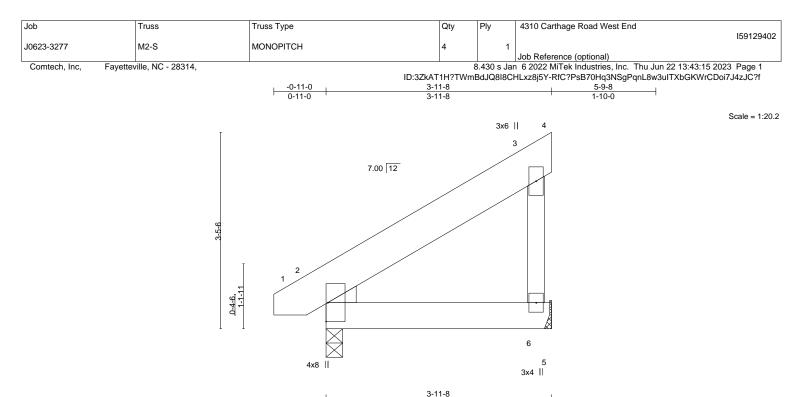
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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



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							3-11-8				1		
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DE	L.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Ver	(LL) ·	-0.00	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Ver	(CT) ·	-0.00	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Hor	(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/T	PI2014	Matri	x-P	Win	d(LL)	0.00	2	****	240	Weight: 31 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 SP No.1 2x6 SP No.1 BOT CHORD WEBS WEDGE

2x4 SP No.2 Left: 2x4 SP No.2

REACTIONS. (size) 6=Mechanical, 2=0-3-8 Max Horz 2=87(LC 12)

Max Uplift 6=-51(LC 12) Max Grav 6=163(LC 19), 2=193(LC 1)

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

NOTES-

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

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.



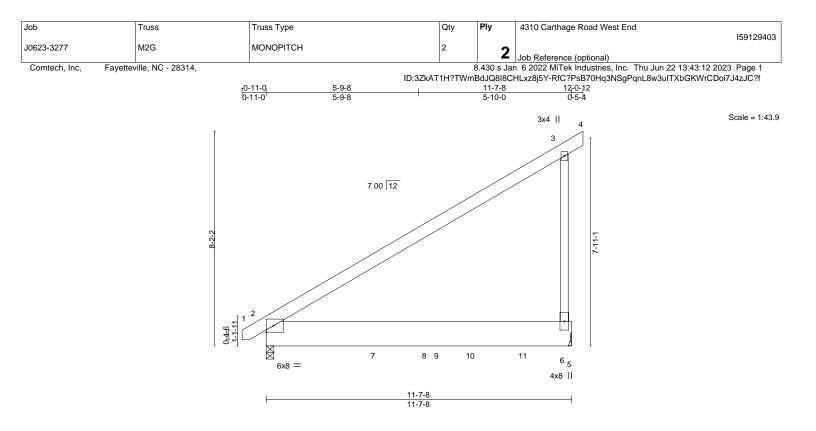
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



BRACING-TOP CHORD

Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.

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



LOADIN	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 0.42	Vert(LL)	-0.14 2-6	>942	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.63	Vert(CT)	-0.29 2-6	>462	240		
BCLL	0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT)	0.00 6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL)	0.11 2-6	>999	240	Weight: 201 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

 TOP CHORD
 2x6 SP No.1

 BOT CHORD
 2x12 SP 2400F 2.0E

 WEBS
 2x4 SP No.2

REACTIONS. (size) 6=Mechanical, 2=0-3-8 Max Horz 2=241(LC 8) Max Uplift 6=-324(LC 8), 2=-262(LC 8) Max Grav 6=2930(LC 2), 2=3209(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-6=-372/167

NOTES-

1) 2-ply truss to be connected together as follows:

Top chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected with 10d (0.131"x3") nails as follows: 2x12 - 2 rows staggered 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) N/A

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, with BCDL = 10.0psf.

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

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=324, 2=262.

Continued on page 2



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

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

except end verticals.



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[Job	Truss	Truss Type	Qty	Ply	4310 Carthage Road West End				
	10000 0077	1400	MONODITOU	0		159129403				
	J0623-3277	M2G	MONOPITCH	2	2	Job Reference (optional)				
L	Comtech, Inc, Fayette	ville, NC - 28314,				6 2022 MiTek Industries, Inc. Thu Jun 22 13:43:12 2023 Page 2				
			ID:3Zk/	ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJ						

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3036 lb down and 322 lb up at 4-2-4, 461 lb down at 6-1-12, and 461 Ib down at 7-9-12, and 461 lb down at 9-9-12 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

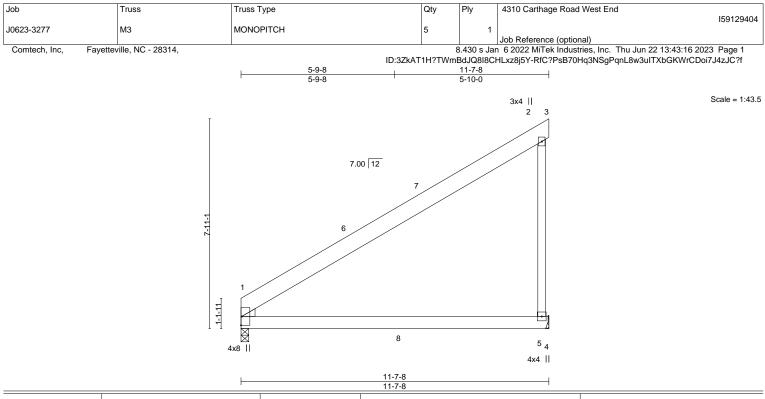
Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 2-5=-140(F=-120)

Concentrated Loads (lb)

Vert: 7=-3000(B) 8=-111(F) 10=-111(F) 11=-111(F)

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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d PLATES GRIP	
TCLL 20.0	Plate Grip DOL 1.15	TC 0.47	Vert(LL) -0.21 1-5 >628 360 MT20 244/1	90
TCDL 10.0	Lumber DOL 1.15	BC 0.56	Vert(CT) -0.38 1-5 >353 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 5 n/a n/a	⁻ = 20%
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.05 1-5 >999 240 Weight: 80 lb F1	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

 TOP CHORD
 2x8 SP No.1

 BOT CHORD
 2x6 SP No.1

 WEBS
 2x4 SP No.2

 WEDGE
 Left: 2x4 SP No.2

REACTIONS. (size) 5=Mechanical, 1=0-3-8 Max Horz 1=238(LC 12)

Max Uplift 5=-126(LC 12) Max Grav 5=675(LC 19), 1=485(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-5=-411/272

NOTES-

 Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-4 to 4-7-1, Interior(1) 4-7-1 to 11-8-0 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, with BCDL = 10.0psf.

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) except (jt=lb) 5=126.



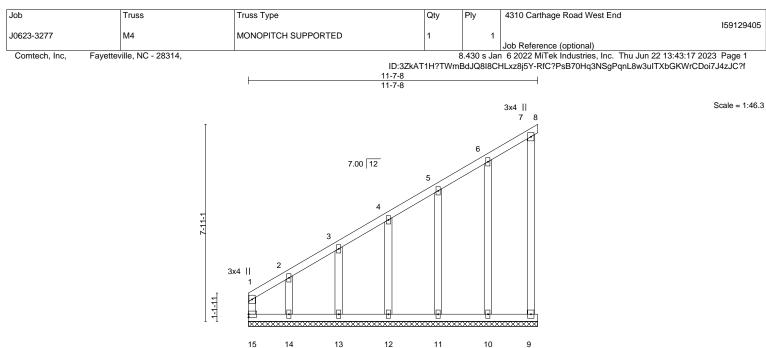
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

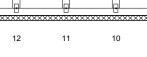
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ł



3x4 ||

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

except end verticals.

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.24 BC 0.18 WB 0.10 Matrix-R	Vert(LL) n	in (loc) /a - /a -)3 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190 Weight: 78 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP	No.1		BRACING- TOP CHORD	Struct	ural wood	sheathing d	irectly applied or 6-0-0 oc purlins,

BOT CHORD

TOP CHORD	2x4 SP No
BOT CHORD	2x4 SP No
WEBS	2x4 SP No

.2 OTHERS 2x4 SP No.2

REACTIONS. All bearings 11-7-8.

Max Horz 15=218(LC 12) (lb) -

1

Max Uplift All uplift 100 lb or less at joint(s) 15, 8, 9, 10, 11, 12, 13 except 14=-227(LC 12) Max Grav All reactions 250 lb or less at joint(s) 8, 9, 10, 11, 12, 13, 14 except 15=279(LC 12)

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

TOP CHORD 1-15=-263/197, 1-2=-401/332, 2-3=-280/233

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 Corner(3) 0-2-4 to 4-7-1, Exterior(2) 4-7-1 to 11-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) All plates are 2x4 MT20 unless otherwise indicated.

4) Gable requires continuous bottom chord bearing.

5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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.

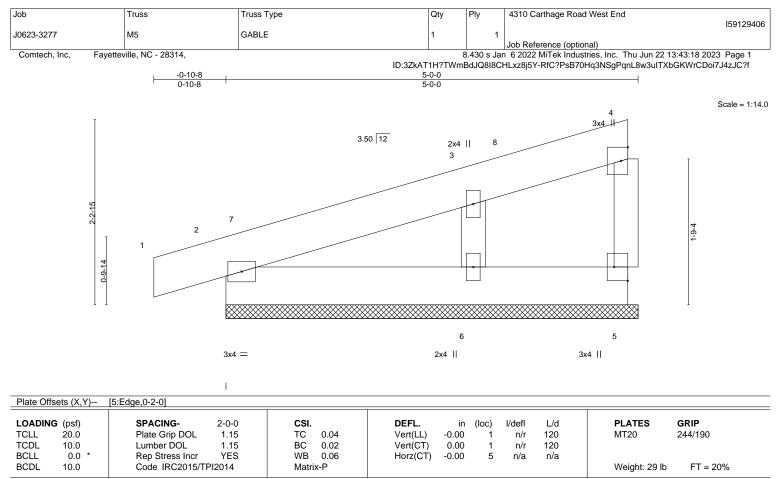
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 8, 9, 10, 11, 12, 13 except (jt=lb) 14=227.



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BRACING-

L	11	м	R	F	R	_

2x6 SP No.1	
2x6 SP No.1	
2x4 SP No.2	
2x4 SP No.2	

 TOP CHORD
 Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.

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

REACTIONS. (size) 5=5-0-0, 2=5-0-0, 6=5-0-0 Max Horz 2=55(LC 12) Max Uplift 5=-7(LC 8), 2=-32(LC 8), 6=-39(LC 12) Max Grav 5=40(LC 1), 2=161(LC 1), 6=237(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 3-6=-173/325

NOTES-

 Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 4-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

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

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

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

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.



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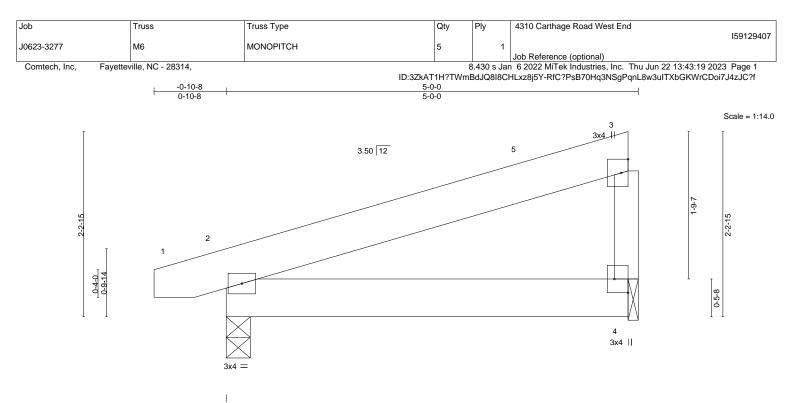


Plate Offsets (X Y)-- [4:Edge 0-2-0]

CLL 20.0				ın ((loc)	l/defl	L/d	PLATES	GRIP
	Plate Grip DOL 1.15	TC 0.12	Vert(LL)	-0.01	2-4 >	>999	360	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.19	Vert(CT)	-0.01	2-4 >	>999	240		
CLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
CDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 28 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 2=0-3-8, 4=0-1-8

Max Horz 2=53(LC 12) Max Uplift 2=-40(LC 8), 4=-29(LC 12)

Max Grav 2=239(LC 1), 4=182(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-9 to 3-9-4, Interior(1) 3-9-4 to 4-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) 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 5-0-0 oc purlins,

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

except end verticals.

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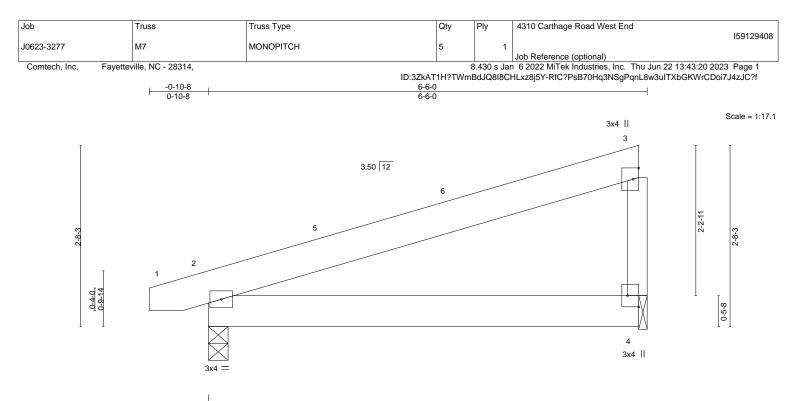


Plate Offsets (X,Y)	[4:Edge,0-2-0] SPACING- 2-0-0	0.01	DEEL	in	(10.0)	l/defi	1 /4	PLATES	CDID
LOADING (psf)		CSI.	DEFL.	in	(loc)	l/defl	L/d		GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.23	Vert(LL)	-0.02	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.25	Vert(CT)	-0.04	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 35 lb	FT = 20%
LUMBER-			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) 2=0-3-8, 4=0-1-8

Max Horz 2=67(LC 12) Max Uplift 2=-44(LC 8), 4=-38(LC 12)

Max Grav 2=298(LC 1), 4=243(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-9 to 3-9-4, Interior(1) 3-9-4 to 6-3-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



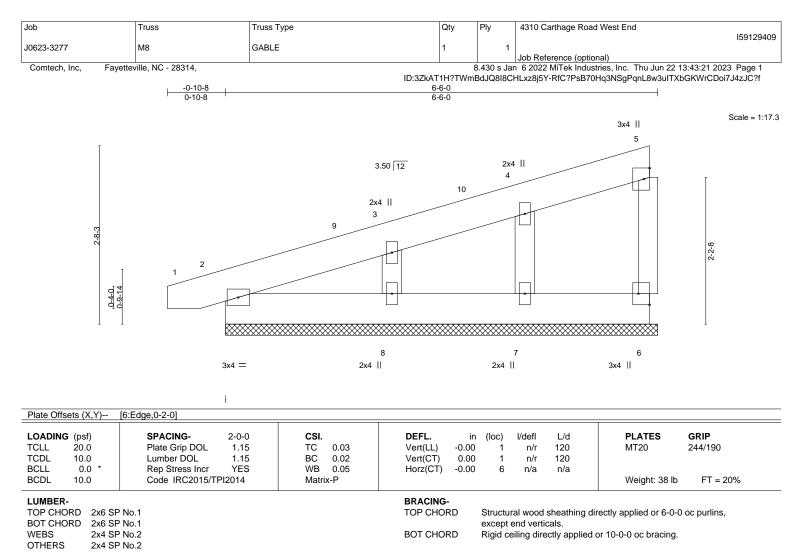
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

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REACTIONS. All bearings 6-6-0.

(lb) - Max Horz 2=96(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 7, 8 Max Grav All reactions 250 lb or less at joint(s) 6, 2, 7, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 3-8=-150/266

NOTES-

 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) -0-7-9 to 3-9-4, Exterior(2) 3-9-4 to 6-3-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

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

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

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

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 7, 8.



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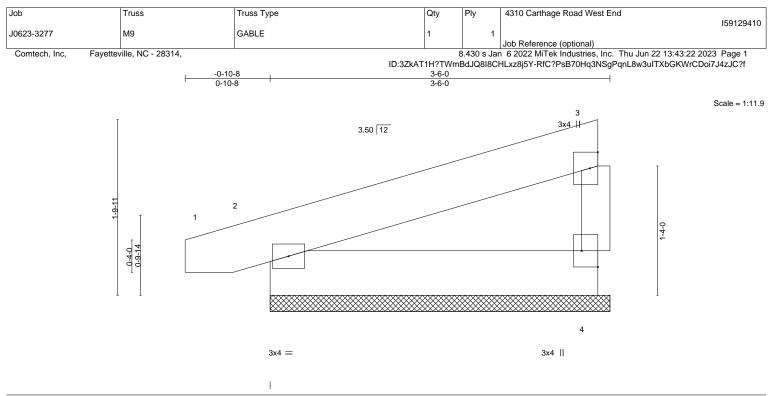


Plate Offsets (X,Y) [4	4:Edge,0-2-0]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.08 BC 0.04 WB 0.00	DEFL. ir Vert(LL) -0.00 Vert(CT) 0.00 Horz(CT) -0.00) 1 n/r 120) 1 n/r 120	PLATES GRIP MT20 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P			Weight: 20 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP I BOT CHORD 2x6 SP I	No.1		BRACING- TOP CHORD	Structural wood sheathir except end verticals.	ng directly applied or 3-6-0 oc purlins,

BOT CHORD

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

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

REACTIONS. (size) 4=3-6-0, 2=3-6-0

Max Horz 2=39(LC 12) Max Uplift 4=-21(LC 12), 2=-31(LC 8)

Max Grav 4=128(LC 1), 2=175(LC 1)

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

NOTES-

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

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 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry

Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

3) Gable requires continuous bottom chord bearing.

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

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

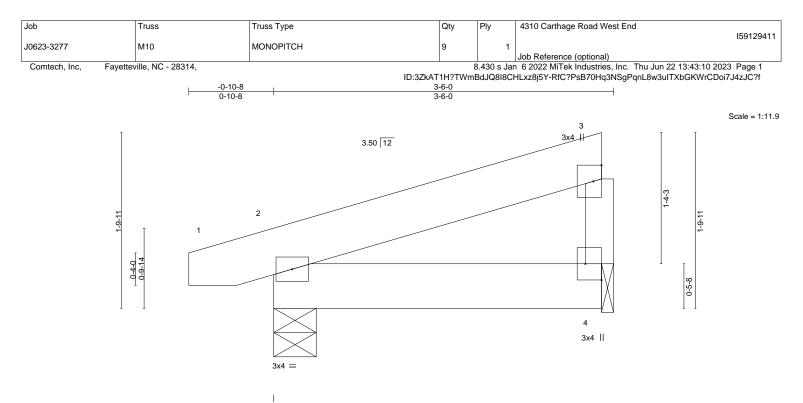
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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



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OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in ((loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.08	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.12	Vert(CT)	-0.00	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL)	0.00	2	****	240	Weight: 20 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 2=0-5-4, 4=0-1-8

Max Horz 2=39(LC 12) Max Uplift 2=-39(LC 8), 4=-20(LC 12)

Max Grav 2=183(LC 1), 4=116(LC 1)

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

NOTES-

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

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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.

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



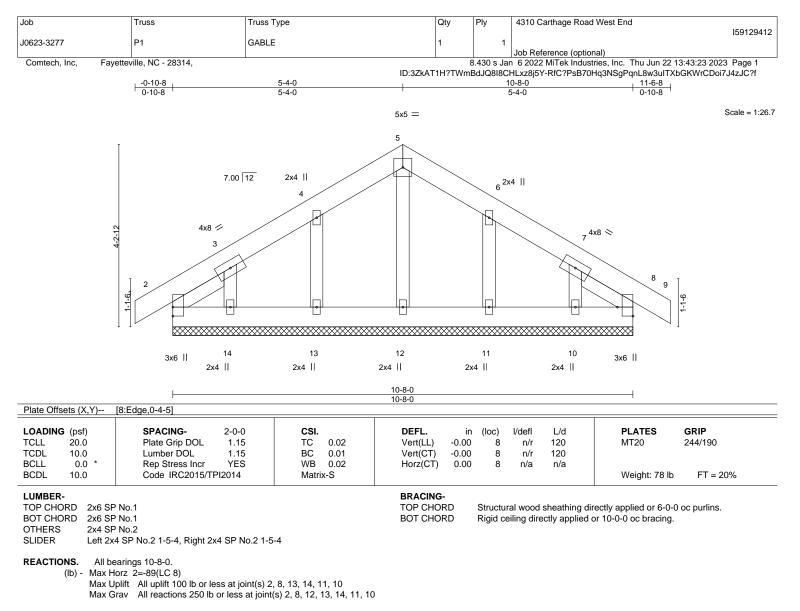
Structural wood sheathing directly applied or 3-6-0 oc purlins,

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

except end verticals.

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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 Corner(3) -0-10-8 to 3-4-0, Exterior(2) 3-4-0 to 5-4-0, Corner(3) 5-4-0 to 9-8-13, Exterior(2) 9-8-13 to 11-6-8 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.

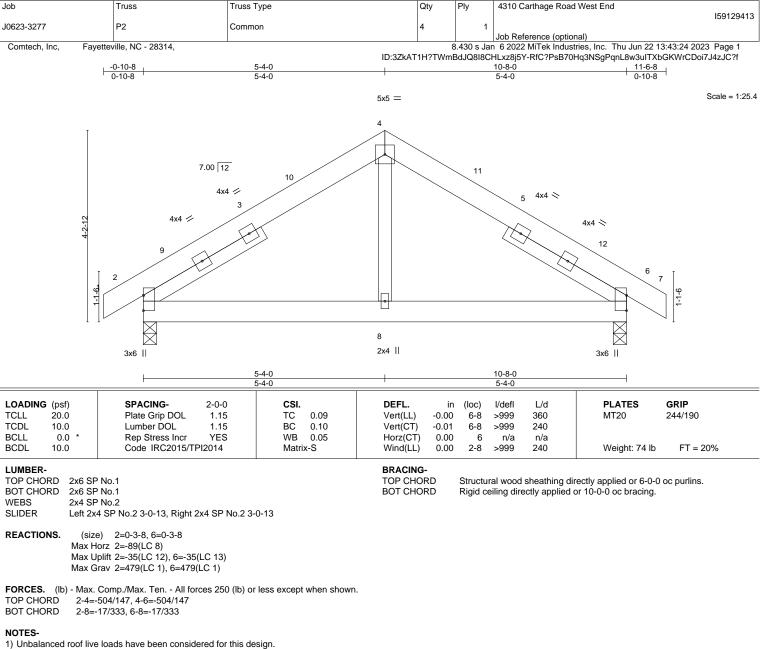
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.



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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 3-6-5, Interior(1) 3-6-5 to 5-4-0, Exterior(2) 5-4-0 to 9-8-13, Interior(1) 9-8-13 to 11-6-8 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.

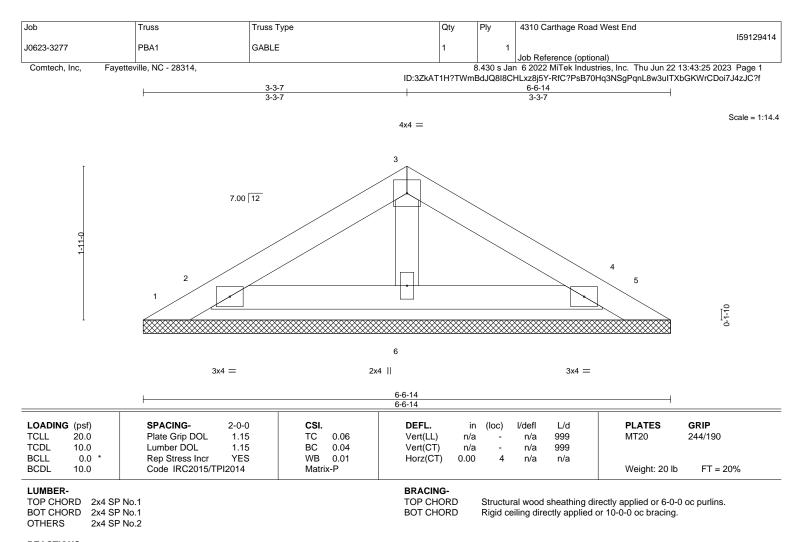
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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



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REACTIONS. All bearings 6-6-14. (lb) - Max Horz 1=52(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 2=-123(LC 12), 4=-112(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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 Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- 4) 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.

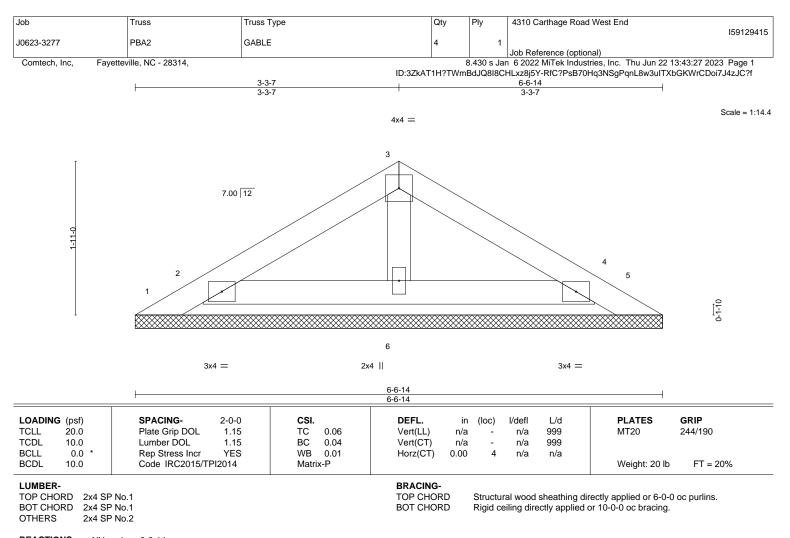
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 2=123, 4=112.

9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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REACTIONS. All bearings 6-6-14. (lb) - Max Horz 1=-42(LC

Max Horz 1=-42(LC 8) Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 2, 4

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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) 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

Gable End Details as applicable, or consult qualified building designer as per AN
 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) 1, 5, 2, 4.

9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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