

Trenco 818 Soundside Rd Edenton, NC 27932

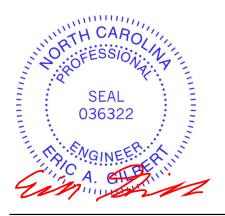
Re: J0623-3277 4310 Carthage Road West End

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.

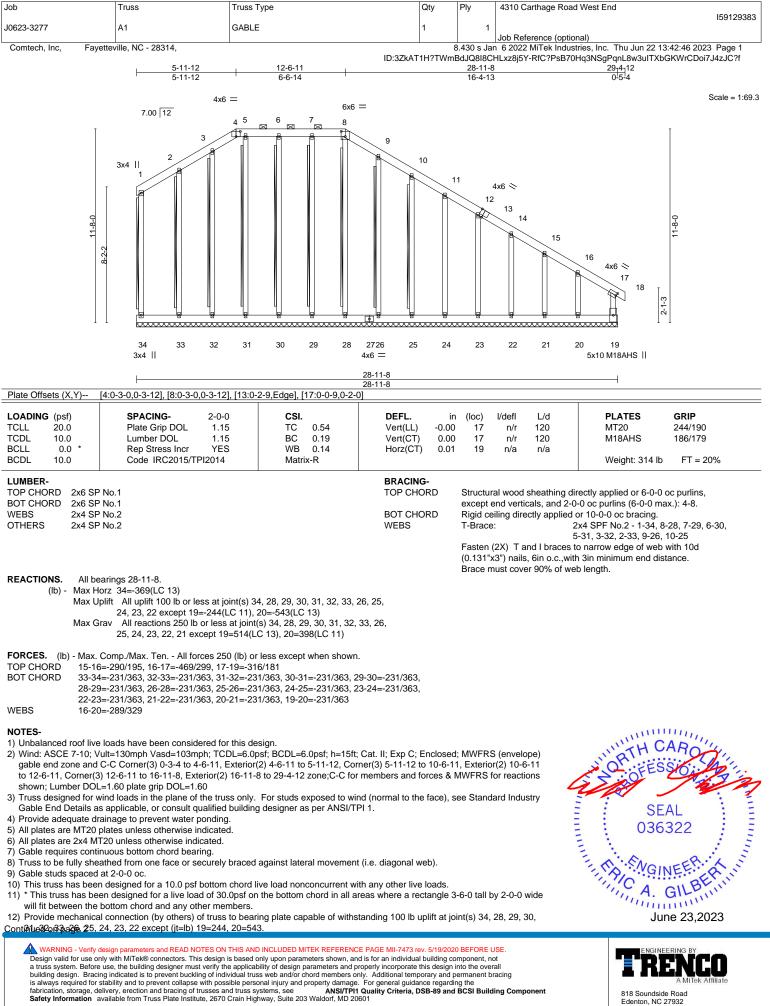
North Carolina COA: C-0844



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

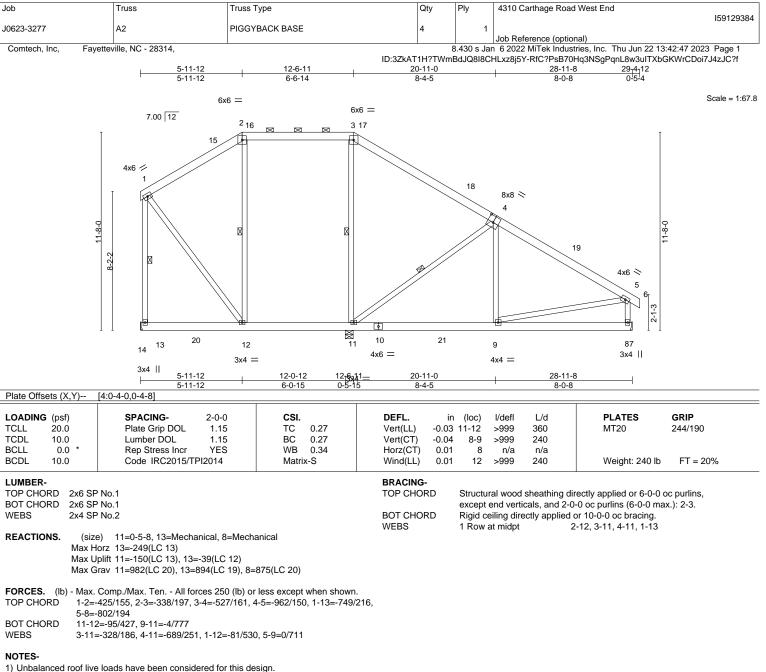
| [| Job | Truss | Truss Type | Qty | Ply | 4310 Carthage Road West End |
|---|------------------------|-------------------|------------|---------|-------------|---|
| | J0623-3277 | A1 | GABLE | 1 | 1 | 159129383 |
| | JU023-3277 | AI | GABLE | 1 | | Job Reference (optional) |
| | Comtech, Inc, Fayettev | 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.

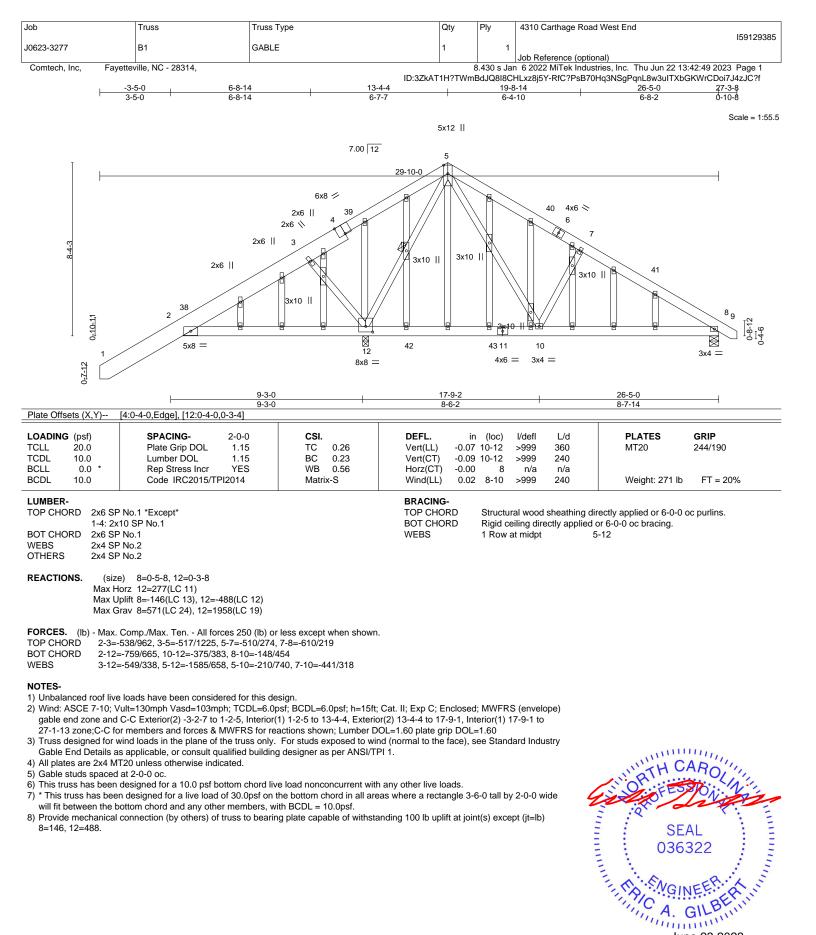
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 11=150.

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



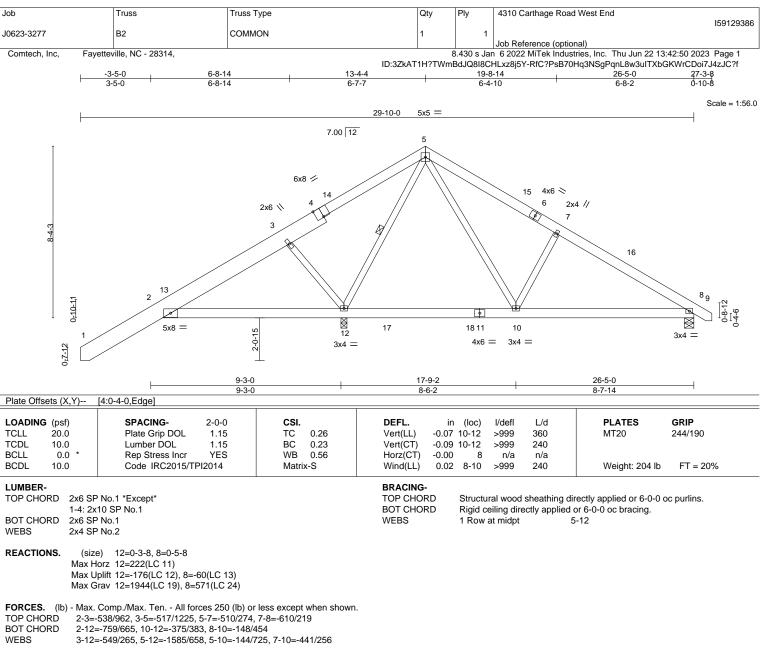
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NOTES-

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.

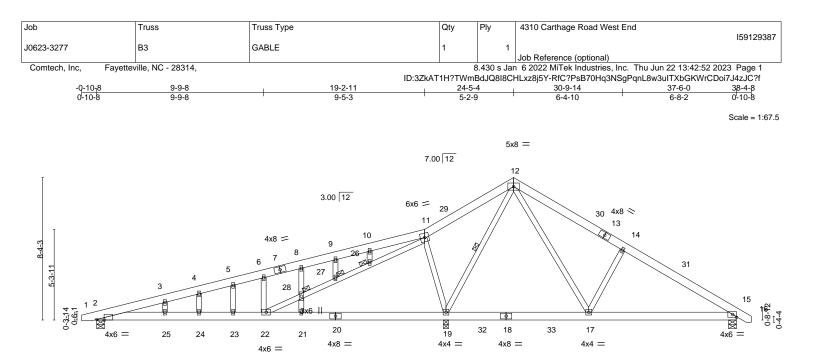
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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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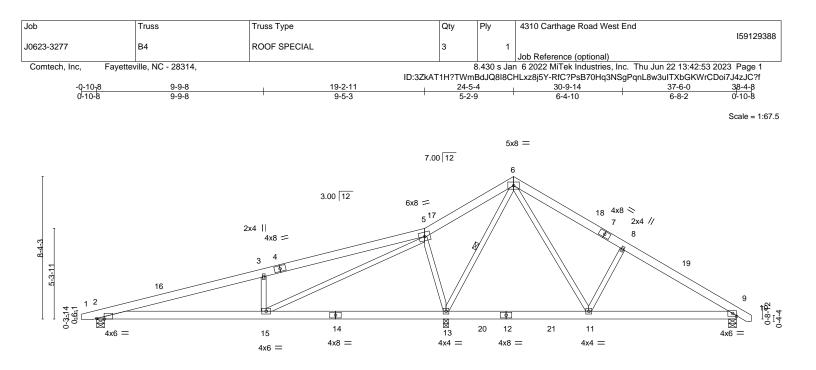
| L | 9-9-8 | 20-5-12 | 28-10-2 | 37-6-0 |
|---------------------|---|--------------------------------------|--------------------------------------|---------------------------------------|
| I | 9-9-8 | 10-8-4 | 8-4-6 | 8-7-14 |
| Plate Offsets (X,Y) | [2:0-5-4,Edge] | | | |
| LOADING (psf) | SPACING- 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.

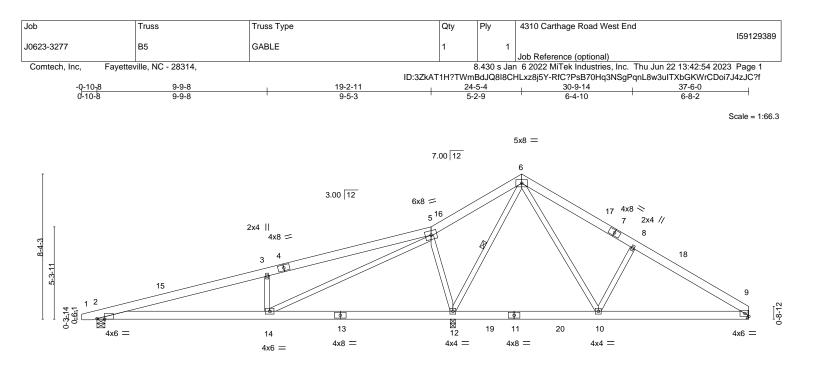
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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.

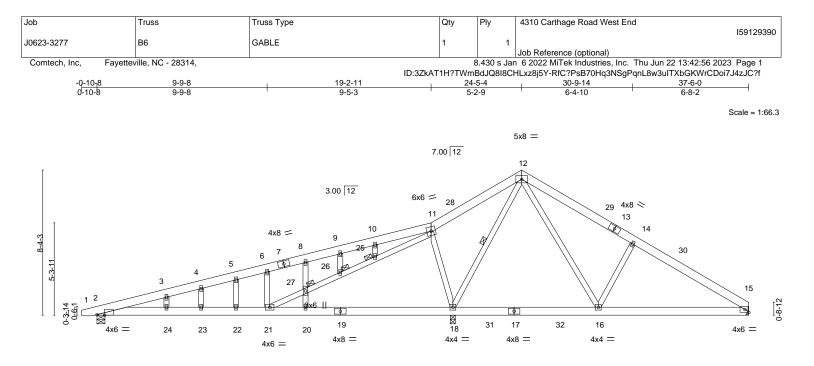
7) Refer to girder(s) for truss to truss connections.

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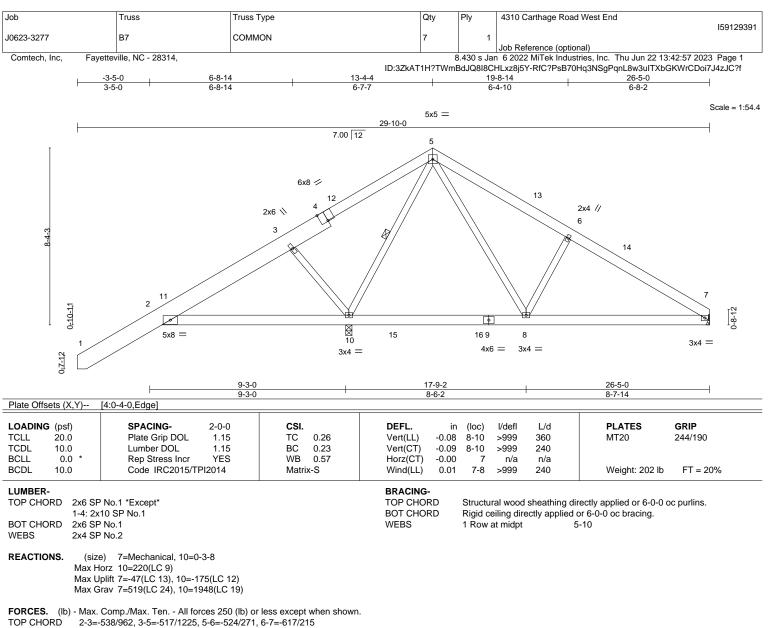
5) Gable studs spaced at 2-0-0 oc.

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

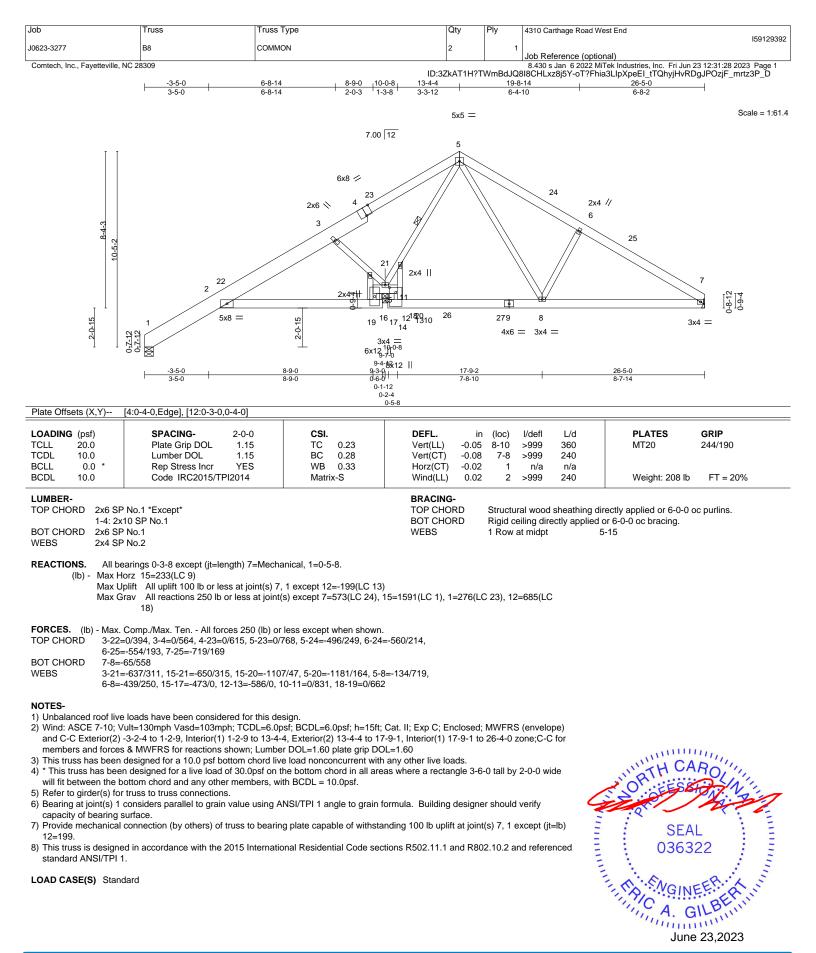
5) Refer to girder(s) for truss to truss connections.

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

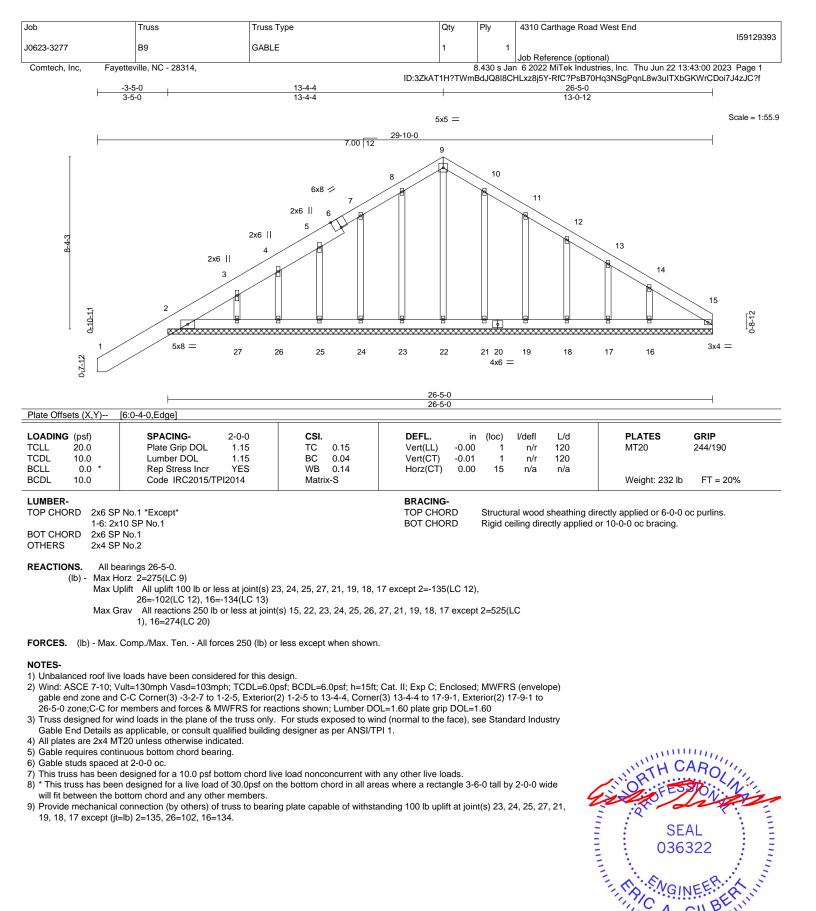








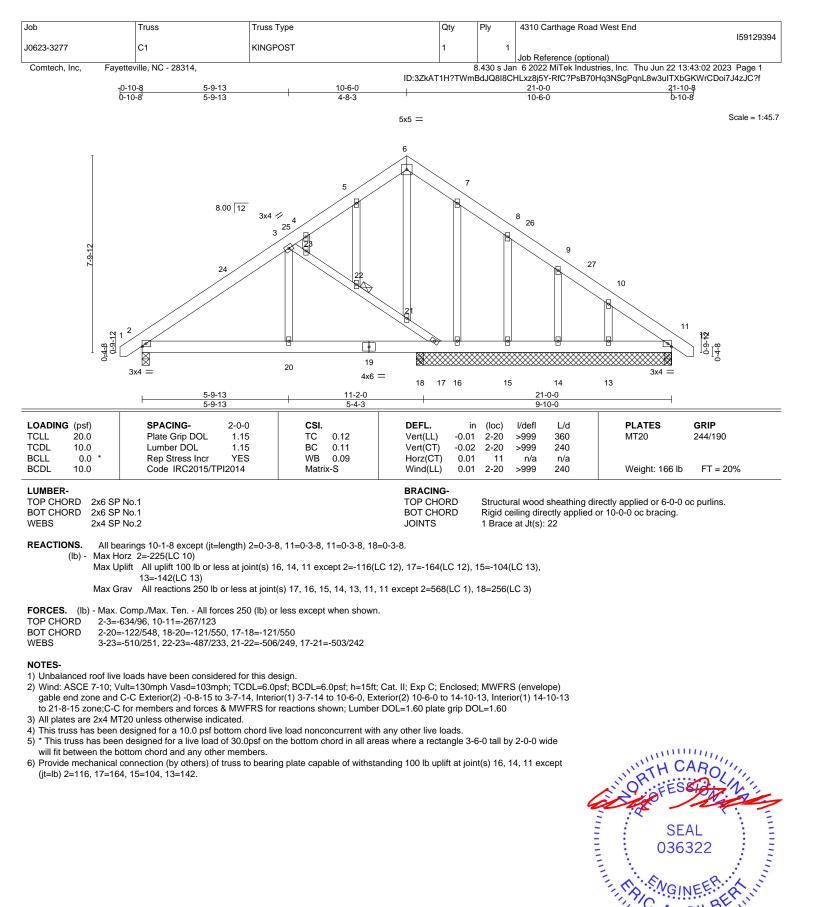
Edenton, NC 27932



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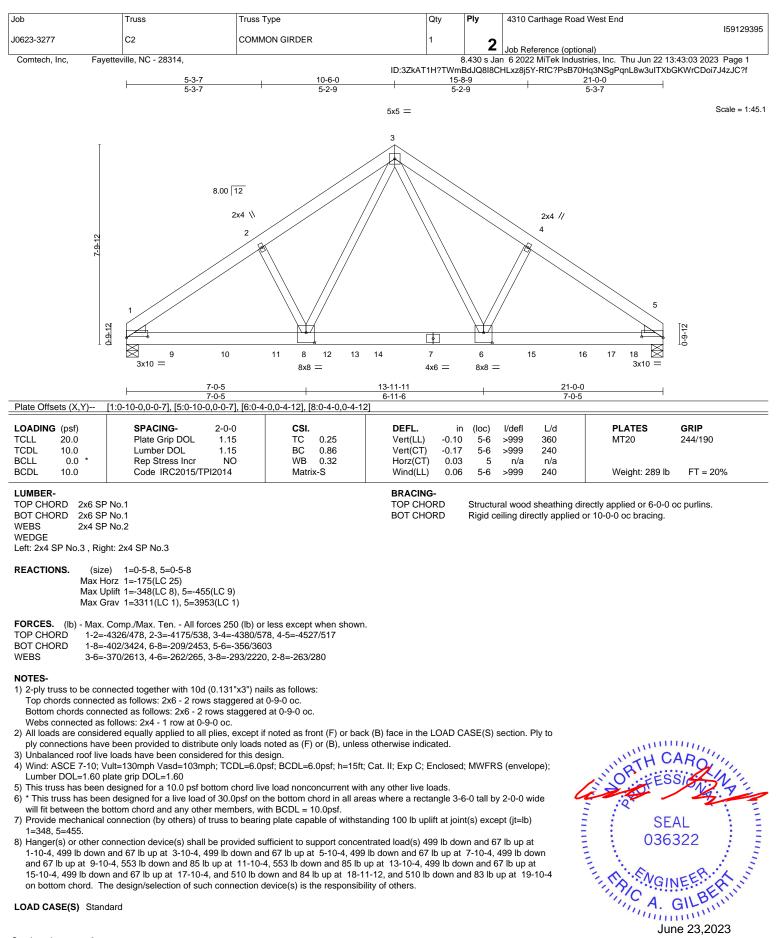
4. GILP:



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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

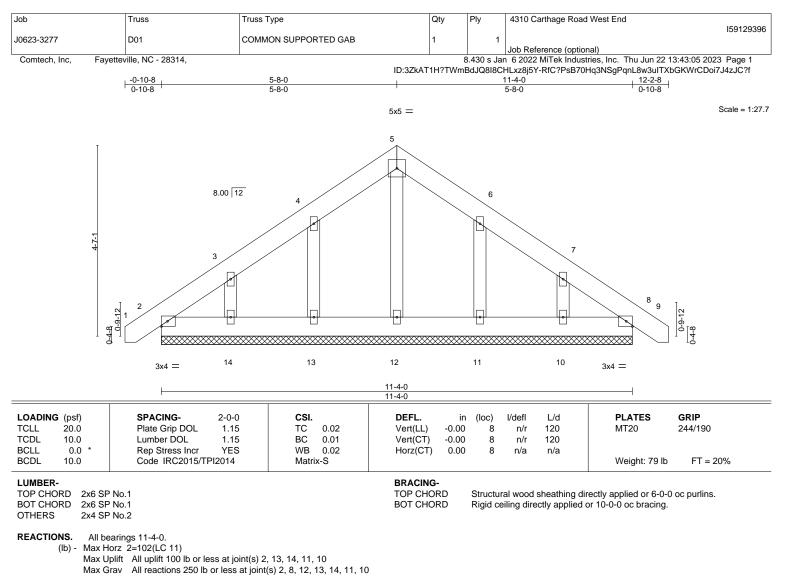
Uniform Loads (plf) Vert: 1-3=-60, 3-5=-60, 1-5=-20

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.

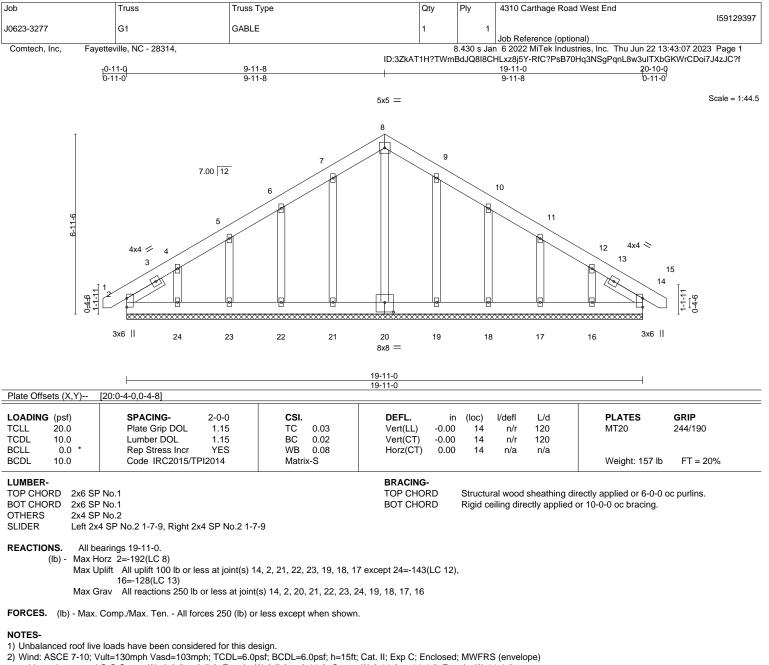
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

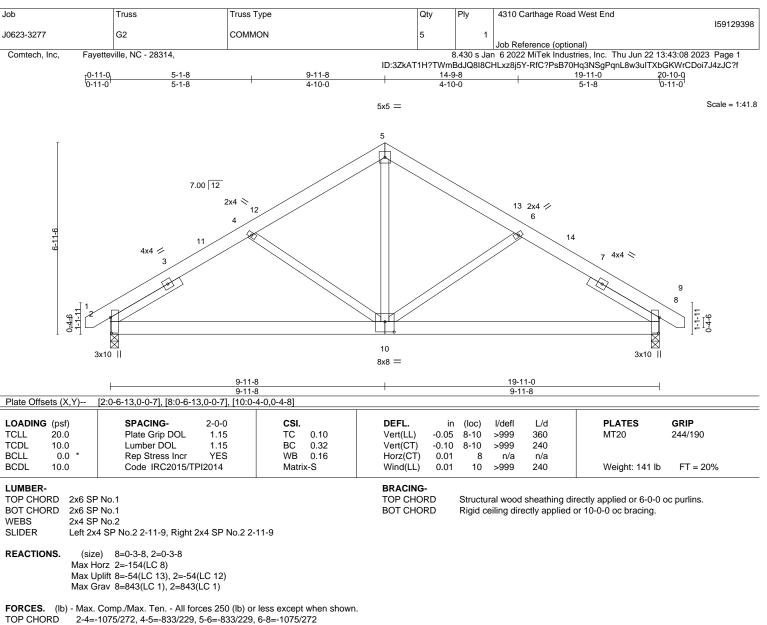
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

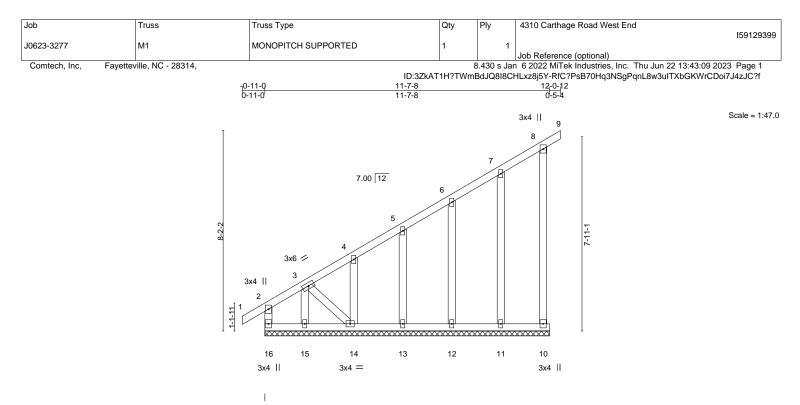
* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 4) will fit between the bottom chord and any other members.

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).

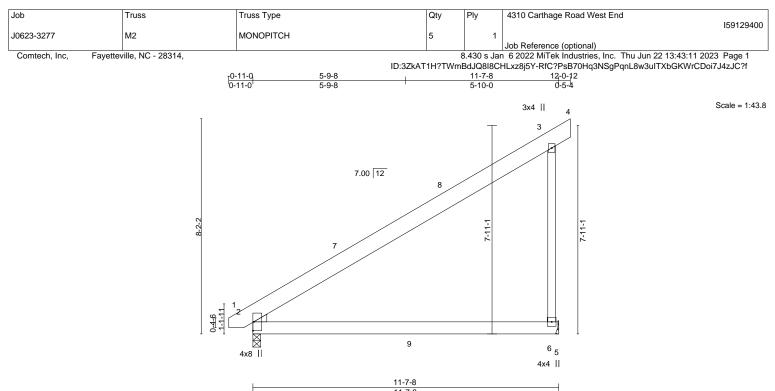
6) Gable studs spaced at 2-0-0 oc.

- 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,

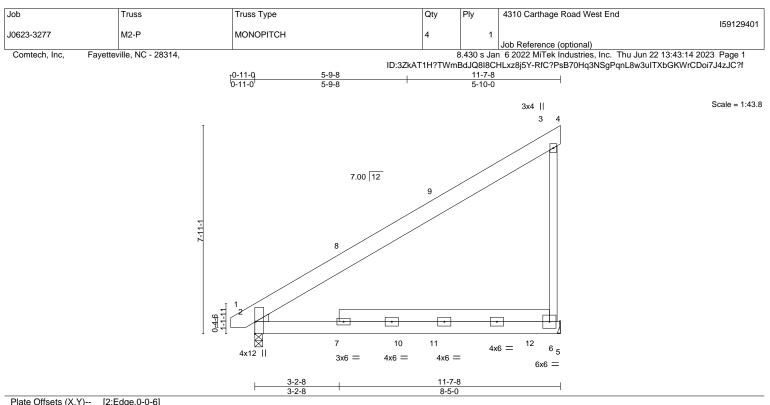
Rigid ceiling directly applied or 10-0-0 oc bracing.

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.

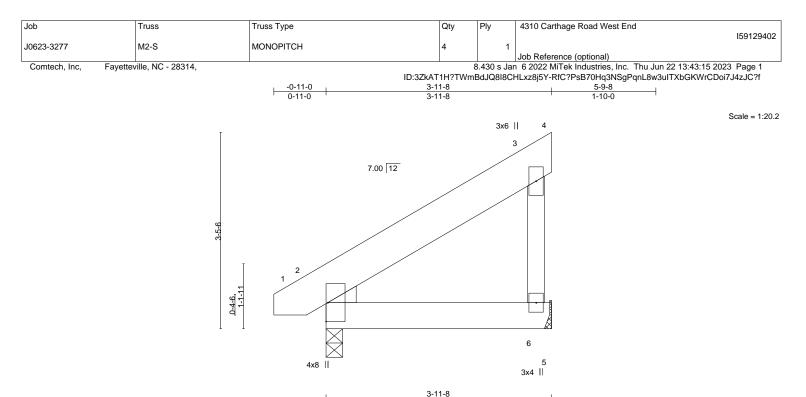
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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.



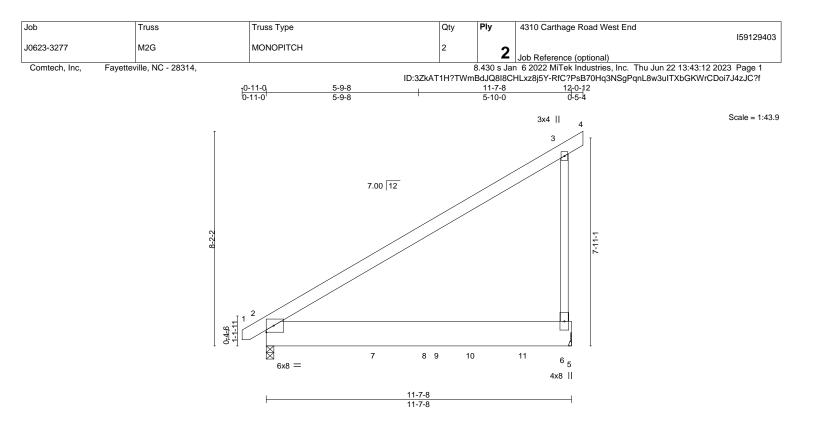
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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

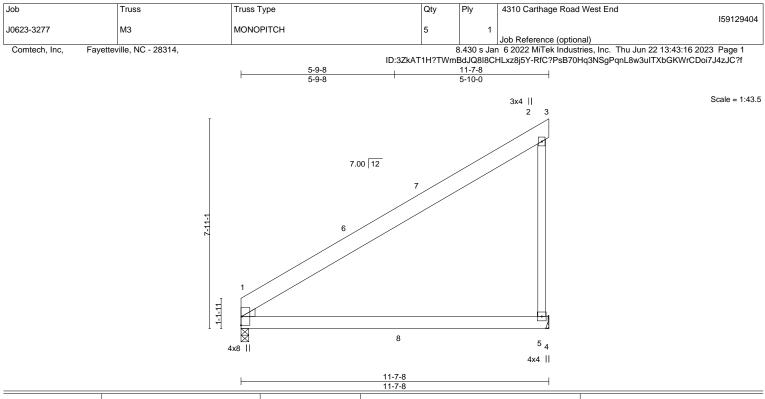
Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 2-5=-140(F=-120)

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.



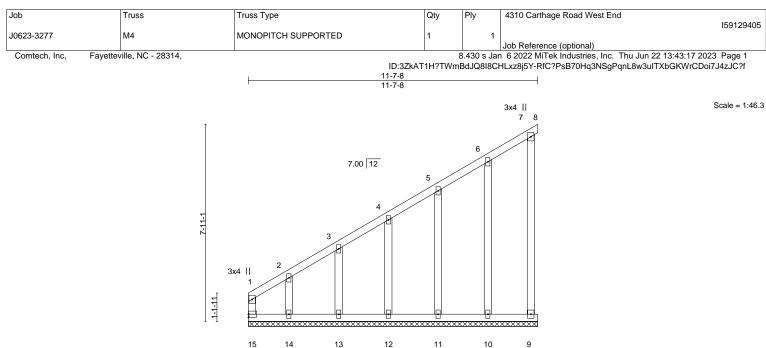
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

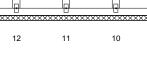
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ł



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.

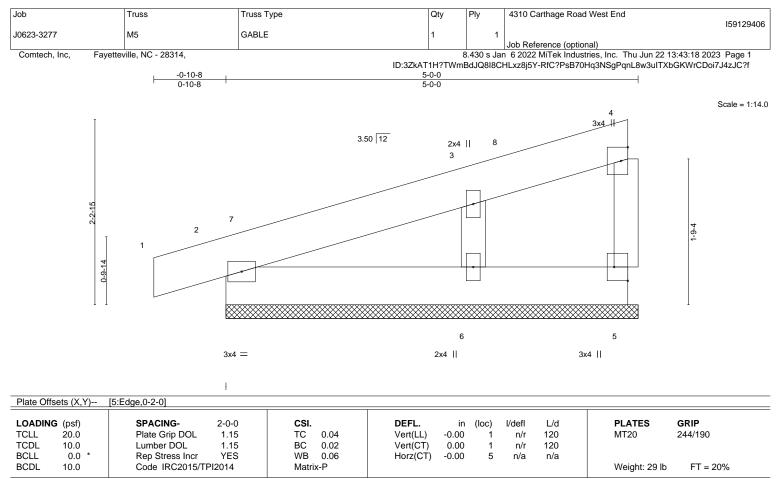
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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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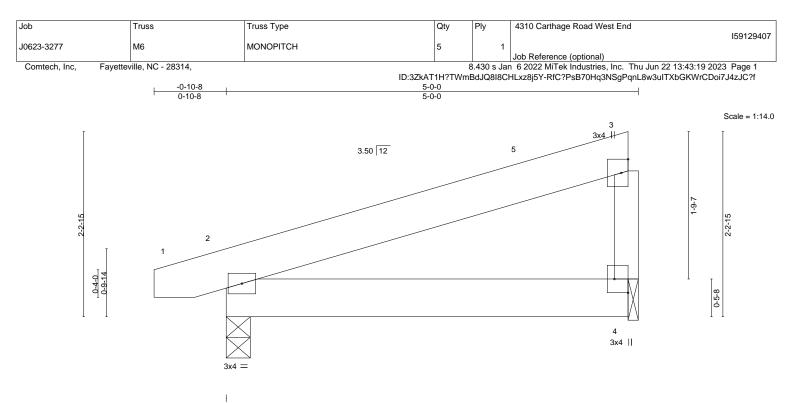


Plate Offsets (X Y)-- [4:Edge 0-2-0]

| 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.



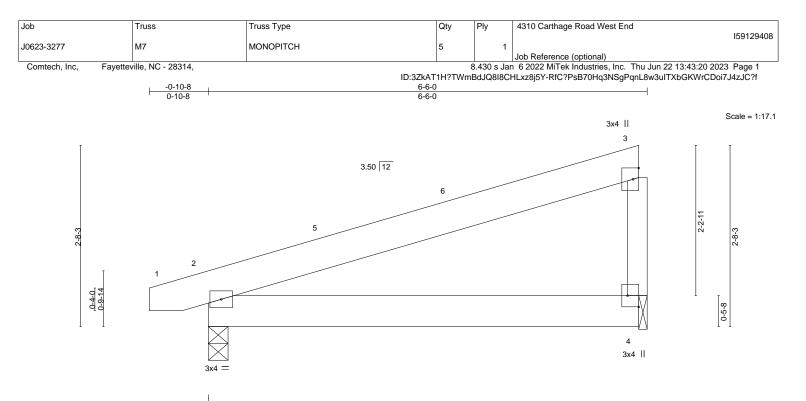
Structural wood sheathing directly applied or 5-0-0 oc purlins,

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.



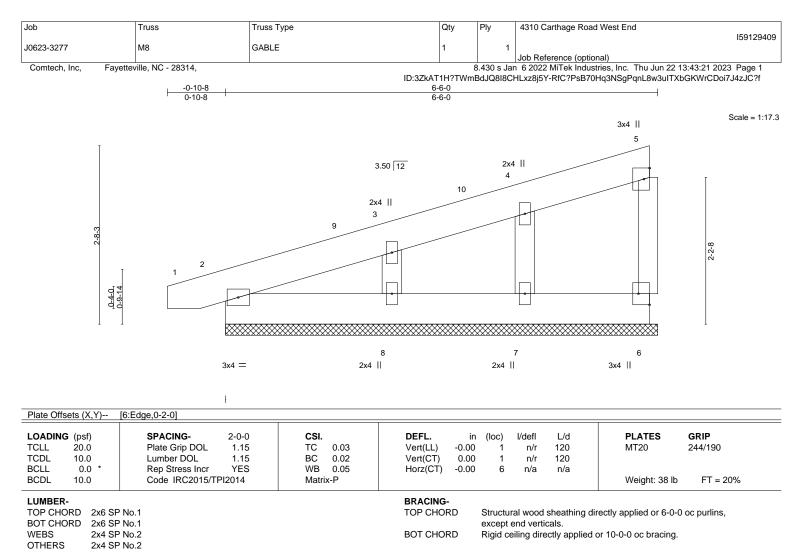
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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.

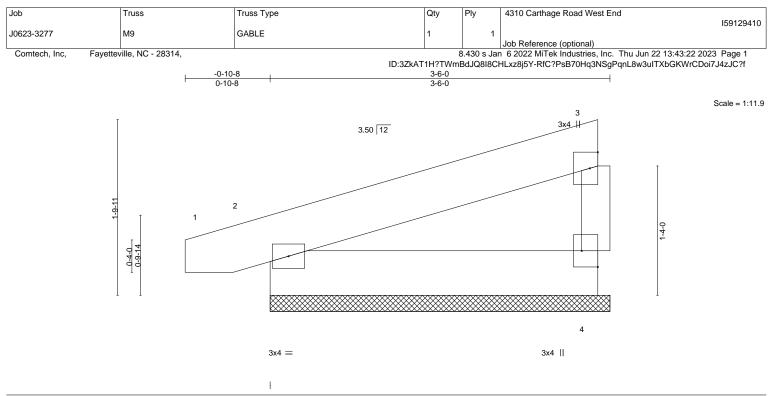
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

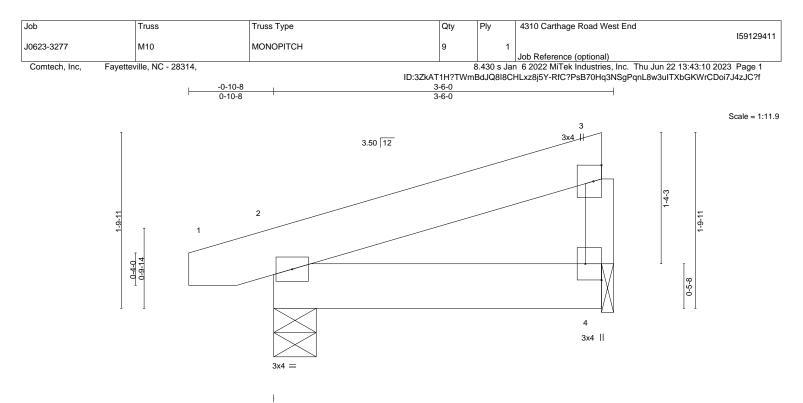
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.



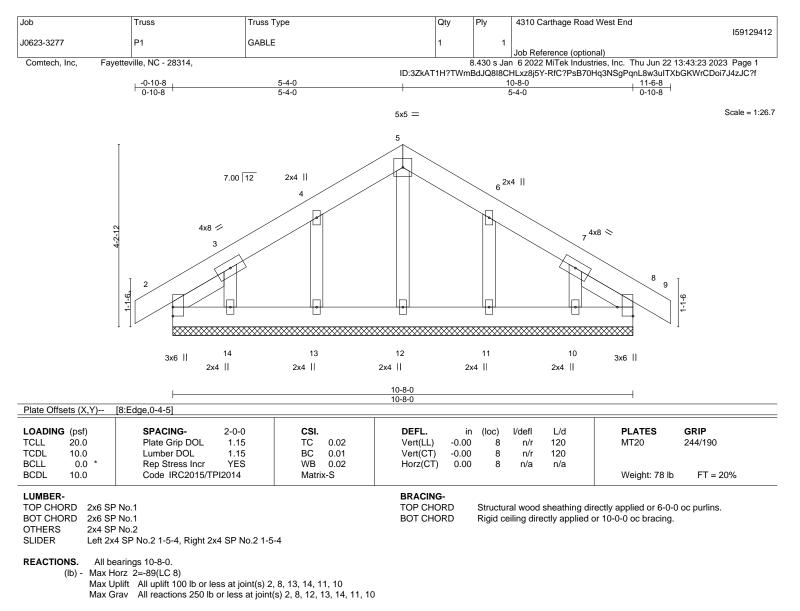
Structural wood sheathing directly applied or 3-6-0 oc purlins,

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.

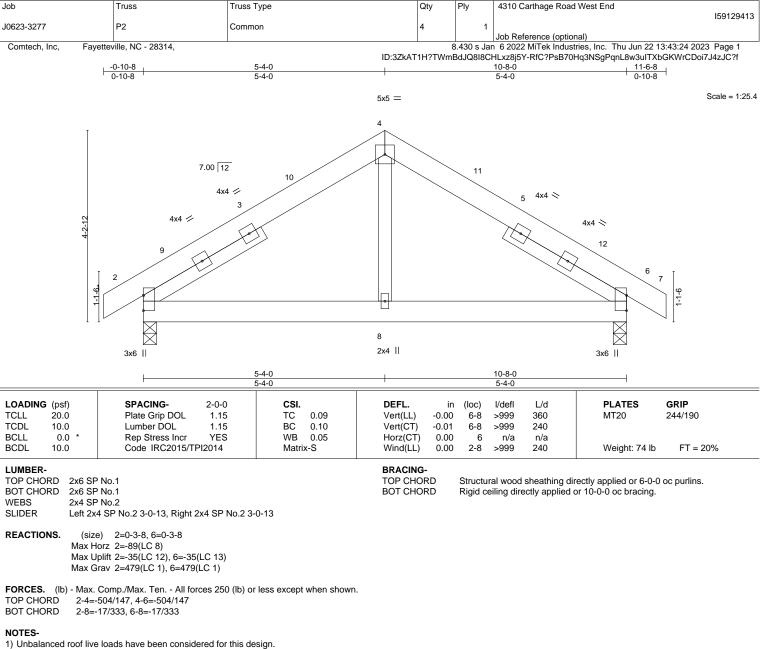
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

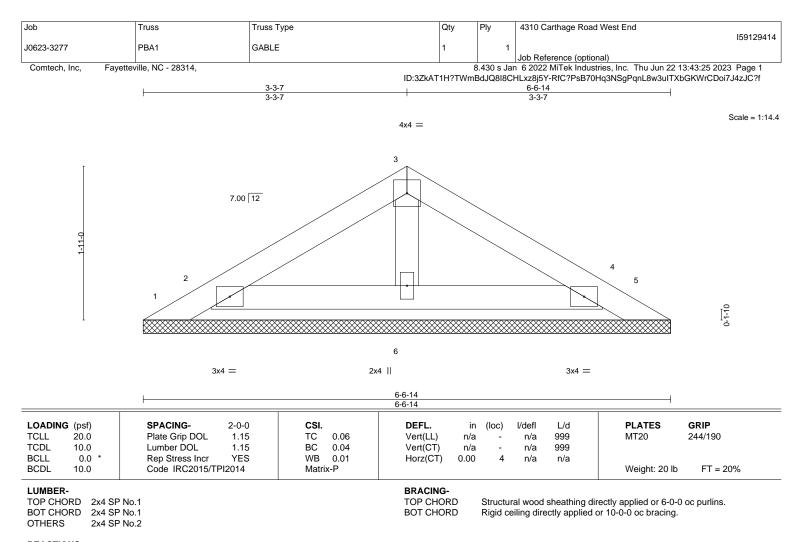
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

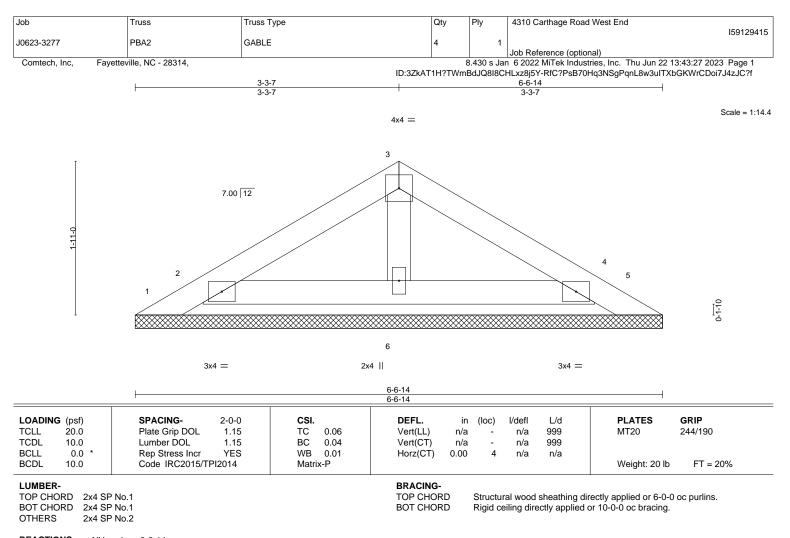
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 2=123, 4=112.

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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