

Trenco

818 Soundside Rd Edenton, NC 27932

Re: J0621-3569

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: I50103932 thru I50103977

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

North Carolina COA: C-0844



February 7,2022

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.

Qty .lob Truss Type Ply Truss 150103932 J0621-3569 A GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:47 2022 Page 1 Fayetteville, NC - 28314, Comtech. Inc. ID:3ZkAT1H?TWmBdJQ8i8CHLxz8j5Y-gKRQOrExS4erAdGMEYL9qIT8snbCMF4Qbp5\_xWznYHA 10-4-12 28-11-8 4-5-0 Scale = 1:68.8 5x8 = 4x6 =7.00 12 9 7 8 6 11 4x6 > 2 12 13 14 15 16 4x6 < 27 25 21 20 19 18 32 31 30 29 28 3x4 11 вх8 = 3x4 = 3x4 | 1 1-11-12 28-11-8 9-11-12 18-11-12 8-0-0 Plate Offsets (X,Y)--[4:0-4-0,0-3-3], [9:0-3-0,0-1-7], [25:0-4-0,0-4-8] GRIP PLATES DEFL. **Vdefl** U/d LOADING (psf) SPACING-(loc) 244/190 Plate Grip DOL TC 0.05 Vert(LL) n/a n/a 999 MT20 TCLL 20,0 1.15 вС 0.03 Vert(CT) n/a n/a 999 TCDL 10.0 Lumber DOL 1.15 WB 0.15 Horz(CT) 0,01 18 n/a n/a BCLL 0,0 Rep Stress Incr YES Weight: 335 lb FT = 20% **BCDL** 10.0 Code IRC2015/TPI2014 Matrix-S BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD TOP CHORD 2x6 SP No.1 except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-9. **BOT CHORD** 2x6 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD 2x4 SP No.2 WEBS 2x4 SPF No.2 - 1-32, 2-31, 3-30, 4-29, OTHERS 2x4 SP No.2 WERS T-Brace: 5-28, 6-27, 7-26, 8-25, 10-24, 11-23 Fasten (2X) T and I braces to narrow edge of web with 10d (0,131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length. REACTIONS. All bearings 28-11-8. Max Horz 32=-291(LC 13) (lb) -Max Uplift All uplift 100 lb or less at joint(s) 32, 31, 30, 28, 27, 26, 25, 24, 23, 22, 21, 20 except 18=-241(LC 11), 19=-428(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 32, 31, 30, 29, 28, 27, 26, 25,

24, 23, 22, 21, 20 except 18=455(LC 13), 19=387(LC 20)

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

TOP CHORD

31-32=-181/290, 30-31=-181/290, 29-30=-181/290, 28-29=-181/290, 27-28=-181/290, BOT CHORD

26-27=-181/290, 25-26=-181/290, 24-25=-181/290, 23-24=-181/290, 22-23=-181/290,

21-22=-181/290, 20-21=-181/290, 19-20=-181/290

WEBS 17-19=-275/439

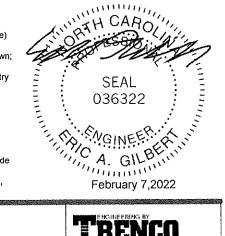
## NOTES-

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

- 2) Wind: ASCE 7-10; Vuit=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) 0-3-4 to 4-8-1, Exterior(2) 4-8-1 to 5-11-12, Corner(3) 5-11-12 to 10-4-9, Exterior(2) 10-4-9 to 14-9-0, Corner(3) 14-9-0 to 19-1-12, Exterior(2) 19-1-12 to 28-8-4 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 2-0-0 oc.

intinued on page 2

- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* 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.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 31, 30, 28, 27, 26, 25, 24, 23, 22, 21, 20 except (jt=lb) 18=241, 19=428.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSi Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Job	Truss	Truss Type	Qty	Plv	
1000	1,455	17000 1700	۱,	,	150103932
J0621-3569	A1	GABLE	1	1	
					Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:47 2022 Page 2 ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-gKRQOrExS4erAdGMEYL9qIT8snbCMF4Qbp5\_xWznYHA

# NOTES-

- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



Qty Ply .lob Truss Type Truss 150103933 J0621-3569 A2 COMMON Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11;19:48 2022 Page 1 Comtech, Inc. Fayetteville, NC - 28314. ID:3ZkAT1H?TWmBdJQ8i8CHLxz8j5Y-8X?ocBFZDNmionrYoGsONz0EABpi5fCZqTrXTzznYH9 19-6-6 4-8-10 28-11-8 9-5-2 5-11-12 5-11-12 4-5-0 4-5-0 Scale = 1:68,8 6x6 = 2x4 II 4 4x6 = 7.00 12 3 19 25 3x6 💸 4x6 < 3x4 5 17 6 4x6 < 6 12 14 21 22 23 13 11 24 98 15 4x4 = 10 16 3x4 || 4x4 = 3x4 = 3x10 = 4x6 = 4x4 = 4x4 == 3x4 = 4x6 28-11-8 1-11-12 9-11-12 19-6-6 7 - 2 - 148-0-0 2-3-11 [4:0-3-0,0-1-7] Plate Offsets (X,Y)--GRIP **PLATES** DEFL. I/defi L/d LOADING (psf) SPACING-2-0-0 CSI. (loc) 244/190 0.33 Verl(LL) -0.12 12-15 >999 360 MT20 20.Ó Plate Grip DOL 1.15 TC TCLL ВC 0.52 Vert(CT) -0.22 12-15 >659 240 TCDL 10,0 Lumber DOL 1.15 WB Horz(CT) 0.00 9 n/a n/a BCLL 0.0 Rep Stress Incr YES 0.35 FT = 20% Weight: 271 lb Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.01 10 >999 240 BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.

BOT CHORD

WEBS

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

2x4 SP No.2 \*Except\* WEBS

13-14: 2x6 SP No.1

REACTIONS. (size) 12=0-5-8, 15=Mechanical, 9=Mechanical

Max Horz 15=-196(LC 13)

Max Uplift 9=-3(LC 13)

Max Grav 12=1467(LC 2), 15=642(LC 19), 9=650(LC 20)

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

TOP CHORD 5-7=-533/83, 7-9=-557/118

BOT CHORD 10-12=0/357

3-12=-401/163, 5-12=-653/257, 5-10=0/252, 7-10=0/328 WEBS

# NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 5-11-12, Exterior(2) 5-11-12 to 10-4-9, Interior(1) 10-4-9 to 14-9-0, Exterior(2) 14-9-0 to 19-1-12, Interior(1) 19-1-12 to 28-8-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 200.0lb AC unit load placed on the bottom chord, 5-11-12 from left end, supported at two points, 5-0-0 apart.
- 4) Provide adequate drainage to prevent water ponding.5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 9.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Rigid ceiling directly applied or 9-4-3 oc bracing.

1 Row at midpt

2-12, 3-12, 5-12, 1-15, 2-15

WARNING - Veilfy 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 lato the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the affabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Qty Ply Truss Type Job Truss 150103934 GABLE J0621-3569 В1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:50 2022 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-4v6Y0sGql?1Q14?xwhusSO5cu\_ajZWRsInKeXrznYH7 26-5-0 6-8-14 6-7-7 Scale = 1:56.4 5x12 || 7.00 12 5 29-10-0 6x8 < 40 4x6 < 2x6 || 39 6 2x6 \\ 2x6 1 3x10 I 3x10 || 2x6 | 3x10 || 38 0-10-11 ভ 12 Ø 43 11 10 42 5x8 = 3x4 == 4x6 3x4 = 8x8 = 0-7-12 26-5-0 17-9-2 9-3-0 9-3-0 8-6-2 [4:0-4-0,Edge], [12:0-4-0,0-3-4] Plate Offsets (X,Y)--GRIP **PLATES** DEFL. in (loc) I/defl L/d LOADING (psf) SPACING-2-0-0 CSI. 244/190 -0.07 1Ò-12 360 MT20 Vert(LL) >999 TC 0.26 TCLL 20.0 Plate Grip DOL 1.15 -0.09 10-12 240 BC 0.23 Vert(CT) >999 TCDL 10,0 Lumber DOL 1.15 -0,00 WB 0.56 Horz(CT) n/a **BCLL** 0.0 Rep Stress Incr YES Weight: 271 lb FT = 20%Code |RC2015/TPI2014 Wind(LL) 0.02 8-10 >999 240 Matrix-S BCDL 10.0

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 \*Except\*

1-4: 2x10 SP No.1 2x6 SP No.1

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

REACTIONS. (size) 8=0-5-8, 12=0-3-8

Max Horz 12=277(LC 11)

Max Uplift 8=-146(LC 13), 12=-488(LC 12) Max Grav 8=571(LC 24), 12=1958(LC 19)

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

TOP CHORD 2-3=-538/962, 3-5=-517/1225, 5-7=-510/274, 7-8=-610/219 BOT CHORD 2-12=-759/665, 10-12=-375/383, 8-10=-148/454

WEBS 3-12=-549/338, 5-12=-1585/658, 5-10=-210/740, 7-10=-441/318

# 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) -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) 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) 8=146, 12=488.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

SEAL 036322

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

5-12

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

1 Row at midpt

February 7,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTok® 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 hits 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 buckling of individual russ web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual russ web and/or chord members. For general guidance regarding the fabrication, storage, delivery, crection and bracing of trusses and truss systems, see ANSITIPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

Qty Ply Truss Type Job Truss 150103935 COMMON **B**2 30621-3569 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:50 2022 Page 1 Fayetteville, NC - 28314, Comtech, Inc, ID:3ZkAT1H?TWmBdJQ8i8CHLxz8j5Y-4v6Y0sGql?1Q14?xwhusSO5cu\_ajZWRslnKeXrznYH7 26-5-0 13-4-4 6-7-7 19-8-14 6-8-14 Scale = 1:56.0 29-10-0 5x5 = 7.00 12 5 6x8 / 15 4x6 🗢 6 2x4 // 2x6 \ 0-10-11 鬟 12 18 11 17 5x8 =2-0-15 3×4 == 4x6 = 3x4 = 3x4 == 0-7-12 26-5-0 17-9-2 8-7-14 8-6-2 9-3-0 Plate Offsets (X,Y)--[4:0-4-0,Edge] GRIP PLATES []/d CSI. DEFL. in (loc) l/defi LOADING (psf) SPACING-2-0-0 244/190 -0.07 10-12 >999 360 MT20 0.26 Vert(LL) TC TCLL 20.0 Plate Grip DOL 1.15 -0.09 10-12 >999 240 Lumber DOL BC 0.23 Vert(CT) TCDL 10.0 1.15 n/a WB 0.56 Horz(CT) -0.00 n/a **BCLL** 0.0 Rep Stress Incr YES Weight: 204 lb FT = 20% Code IRC2015/TPI2014 Wind(LL) 0.02 8-10 >999 240 Matrix-S BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

BOT CHORD

1 Row at midpt

WEBS

2x6 SP No.1 \*Except\* TOP CHORD

1-4: 2x10 SP No.1 2x6 SP No.1

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

REACTIONS.

(size) 12=0-3-8, 8=0-5-8 Max Horz 12=222(LC 11)

Max Uplift 12=-176(LC 12), 8=-60(LC 13)

Max Grav 12=1944(LC 19), 8=571(LC 24)

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

2-3=-538/962, 3-5=-517/1225, 5-7=-510/274, 7-8=-610/219 TOP CHORD

2-12=-759/665, 10-12=-375/383, 8-10=-148/454 BOT CHORD

3-12=-549/265, 5-12=-1585/658, 5-10=-144/725, 7-10=-441/256 WEBS

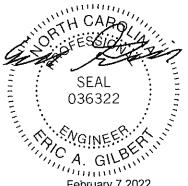
## NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -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

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.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



5-12

February 7,2022

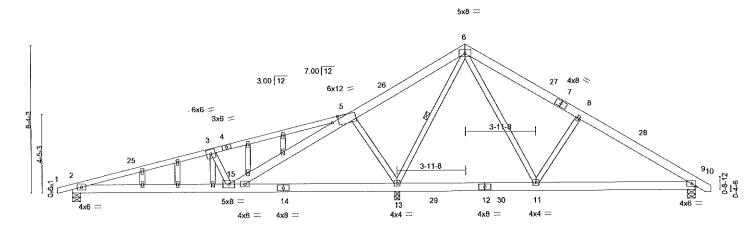
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an inclividual building component, not a truss system. Before use,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

ANS/ITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply			150103936
J0621-3569	B3	GABLE	1	1			100 102920
					Job Reference (optional)		
Comtech, Inc. Fayettev	rille, NC - 28314,				16 2021 MiTek Industries, In		
			ID:3ZkAT1H?TW	MBGJQ8I8	CHLxz8j5Y-0IEJRYI4HcH8l		
-Q-10-8	8-0-8	15-8-11 16 <sub>7</sub> 0 <sub>1</sub> 10	22-5-4		28-9-14	35-6-0	36-4-8
0-10-8	8-0-8	7-8-3 0-3-15	6-4-10		6-4-10	6-8-2	d-10-8

Scale = 1:62.8



<u> </u>	9-5-0	18-5-12 9-0-12	26-4-12 7-11-0	35-6-0 9-1-4
Plate Offsets (X,Y)	9-5-0 [5:0-4-8,0-3-4]	9-0-12		- AND
LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	CSI. TC 0.51 BC 0.30	DEFL.         in (loc)         I/defl         L/d           Vert(LL)         -0.06 11-13         >999         360           Vert(CT)         -0.11         2-15         >999         240           Horz(CT)         0.01         9         n/a         n/a	PLATES GRIP MT20 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.49 Matrix-S	Wind(LL) 0.06 2-15 >999 240	Weight: 234 lb FT = 20%

**BRACING-**

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x6 SP No.1 \*Except\*

4-5,1-4: 2x4 SP No.1 2x6 SP No.1

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

**OTHERS** 2x4 SP No.2

REACTIONS.

(size) 2=0-5-8, 13=0-3-8, 9=0-5-8

Max Horz 2=253(LC 11)

Max Uplift 2=-203(LC 8), 13=-438(LC 12), 9=-180(LC 13) Max Grav 2=576(LC 23), 13=1870(LC 1), 9=583(LC 24)

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

2-3=-974/304, 3-5=-770/265, 5-15=-338/1211, 5-6=-218/959, 6-8=-447/261, TOP CHORD

BOT CHORD

8-9=-614/225 2-15=-303/885, 13-15=-356/243, 11-13=-227/264, 9-11=-79/465

WEBS

3-15=-450/295, 5-13=-623/356, 6-13=-1367/298, 6-11=-184/694, 8-11=-428/313

## 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) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-5-4, Exterior(2) 22-5-4 to 26-10-1, Interior(1) 26-10-1 to 36-2-13 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.
- 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=203, 13=438, 9=180.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

SEAL 036322

Structural wood sheathing directly applied or 5-7-12 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

6-13

10-0-0 oc bracing: 2-15.

1 Row at midpt

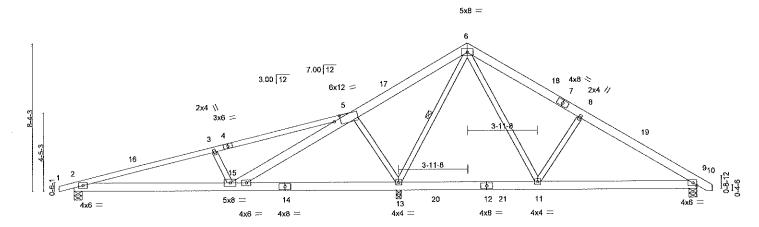
February 7,2022

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Dosign valid for use only with MiTok® 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 lemporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type		Qty	Ply		150100007
							150103937
J0621-3569	B4	ROOF SPECIAL		3	1 1		
					Job Reference (optional)		
Comtech, Inc. Fayette	ville, NC - 28314,			8.	.430 s Aug 16 2021 MiTek Industries,	Inc. Mon Feb 7 11:19:53 2022	Page 1
			!D:3Zk/	T1H?TWr	mBdJQ8I8CHLxz8j5Y-UUohfuJi1wP?	JYkWbpSZ40j25CaPmuNI_IZI8	AznYH4
-Q-10-8	8-0-8	15-8-11		-5-4	28-9-14	35-6-0	36-4-₿
0-10-8	8-0-8	7-8-3	0-3-15 6-4	1-10	6-4-10	6-8-2	0-10-8

Scale = 1:62.8



<u> </u>	9-5-0 9-5-0	18-5-12 9-0-12	<u> </u>	26-4-12 7-11-0		35-6-0 9-1-4	
Plate Offsets (X,Y) [5:0-4	-8,0-3-4]						
TCDL 10.0 BCLL 0.0 *	SPACING-         2-0-0           Plate Grip DOL         1.15           Lumber DOL         1.15           Rep Stress Incr         YES           Code IRC2015/TPI2014	CSI. TC 0.51 BC 0.30 WB 0.49 Matrix-S	Vert(LL) -0.0 Vert(CT) -0.1 Horz(CT) 0.0		L/d 360 240 n/a 240	PLATES MT20 Weight: 224 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.1 \*Except\*

4-5,1-4: 2x4 SP No.1

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

WEBS 2x4 SP No.2

(size) 2=0-5-8, 13=0-3-8, 9=0-5-8

Max Horz 2=192(LC 11)

Max Uplift 2=-100(LC 8), 13=-144(LC 12), 9=-77(LC 13) Max Grav 2=576(LC 23), 13=1870(LC 1), 9=583(LC 24)

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

 $2 - 3 = -974/179, \ 3 - 5 = -770/156, \ 5 - 15 = -156/1211, \ 5 - 6 = -76/959, \ 6 - 8 = -436/172,$ TOP CHORD

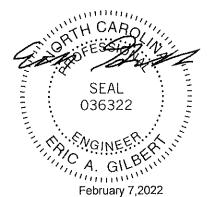
8-9=-614/135

2-15=-124/885, 13-15=-359/148, 9-11=-24/465 BOT CHORD

3-15=-450/218, 5-13=-623/274, 6-13=-1367/264, 6-11=-114/681, 8-11=-428/242 WEBS

# NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
  2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-5-4, Exterior(2) 22-5-4 to 26-10-1, Interior(1) 26-10-1 to 36-2-13 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 ps bottom chord live load nonconcurrent with any other live loads.
  1) This truss has designed for a 10.0 ps 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) 9 except (jt=lb) 2=100, 13=144.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 5-7-12 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

10-0-0 oc bracing: 2-15.

1 Row at midpt

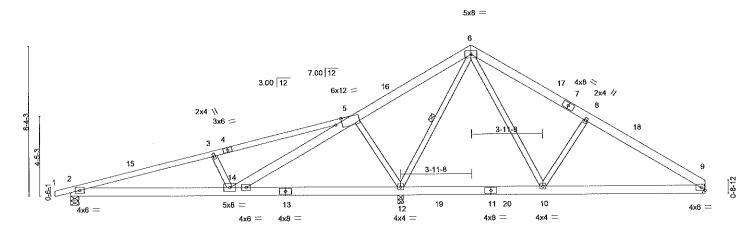
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valld 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see MSITPH 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		150103938
J0621-3569	B5	ROOF SPECIAL	1	1		100100000
00021					Job Reference (optional)	
Comtech, Inc. Favettey	ille, NC - 28314,					Mon Feb 7 11:19:54 2022 Page 1
			ID:3ZkAT1H?TV	VmBdJQ8I8CH	(Lxz8j5Y-yhM3sEKKoDXsWiJi9	WzodEGDrbweVLZSCPIsgcznYH3
-0-10-8	8-0-8	15-8-11 16	5-0-10 22-5-4		28-9-14	35-6-0
0-10-B	8-0-8	7-8-3 0	-3-15 6-4-10		6-4-10	6-8-2

Scale = 1:61.7



ļ	9-5-0 9-5-0	18-5-12 9-0-12	26-4-12 7-11-0	35-6-0 9-1-4
Plate Offsets (X,Y)	[5:0-4-8,0-3-4]			
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 0.51 BC 0.30 WB 0.49 Matrix-S	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         -0.06         10-12         >999         360           Vert(CT)         -0.11         2-14         >999         240           Horz(CT)         0.01         9         n/a         n/a           Wind(LL)         0.04         2-14         >999         240	PLATES GRIP MT20 244/190 Weight: 222 lb FT ≈ 20%

**BRACING-**

TOP CHORD

BOT CHORD

WEBS

10-0-0 oc bracing: 2-14.

1 Row at midpt

Structural wood sheathing directly applied or 5-7-12 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

6-12

LUMBER-

TOP CHORD 2x6 SP No.1 \*Except\*

4-5,1-4: 2x4 SP No.1

2x6 SP No.1 BOT CHORD

2x4 SP No.2 WEBS

REACTIONS. (size) 2=0-5-8, 12=0-3-8, 9=Mechanical

Max Horz 2=191(LC 9)

Max Uplift 2=-100(LC 8), 12=-145(LC 12), 9=-64(LC 13)

Max Grav 2=576(LC 23), 12=1877(LC 1), 9=530(LC 24)

TOP CHORD

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-973/176, 3-5=-769/153, 5-14=-156/1211, 5-6=-79/963, 6-8=-446/179,

8-9=-629/144

BOT CHORD

2-14=-125/884, 12-14=-363/146, 9-10=-32/482 WEBS

3-14=-450/218, 5-12=-622/273, 6-12=-1377/267, 6-10=-117/697, 8-10=-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) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-5-4, Exterior(2) 22-5-4 to 26-10-1, Interior(1) 26-10-1 to 35-5-0 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.
- 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.
- 6) 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=145.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.

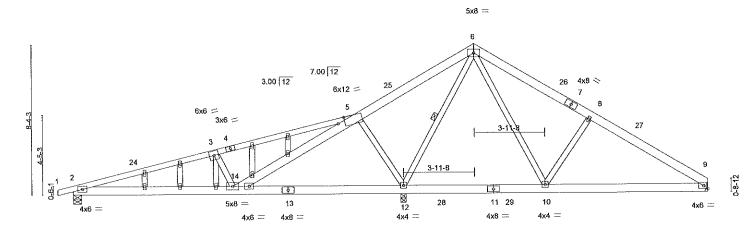
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual taxs web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



Job	Truss	Truss Type		Qty	Ply		15010000
							150103939
J0621-3569	B6	GABLE		1	ו		1
				1		Job Reference (optional)	
Comtech, Inc. Fayette	ville. NC - 28314.			8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Fi	eb 7 11:19:55 2022 Page 1
<b>3</b> ,,,	,		ID:3ZkA	T1H?TWm	BdJQ8l8C	HLxz8j5Y-RtwR4aKyZXfj8suuiEU19Rc	Ob?GtEopbR32PD3znYH2
-0-10-8	8-0-8	15-8-11	16 <sub>7</sub> 0 <sub>1</sub> 10 2	2-5-4		28-9-14	35-6-0
0-10-8	8-0-8	7-8-3	0-3-15 6	-4-10	1	6-4-10	6-8-2

Scale = 1:61.7



	9-5-0		26-4-12 7-11-0			35-6-0 9-1-4	
Plate Offsets (X,Y) LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0	CSI. TC 0.51 BC 0.30 WB 0.49 Matrix-S	Vert(CT) -0 Horz(CT) 0	in (loc) I/defl .06 10-12 >999 .11 2-14 >999 .01 9 n/a .04 2-14 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 232 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

TOP CHORD 2x6 SP No.1 \*Except\*

4-5.1-4: 2x4 SP No.1

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

**OTHERS** 2x4 SP No.2

REACTIONS. (size) 2=0-5-8, 12=0-3-8, 9=Mechanical

Max Horz 2=191(LC 9)

Max Uplift 2=-100(LC 8), 12=-145(LC 12), 9=-64(LC 13) Max Grav 2=576(LC 23), 12=1877(LC 1), 9=530(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown 2-3=-973/176, 3-5=-769/153, 5-14=-156/1211, 5-6=-79/963, 6-8=-446/179,

TOP CHORD 8-9=-629/144

**BOT CHORD** 2-14=-125/884, 12-14=-363/146, 9-10=-32/482

3-14=-450/218, 5-12=-622/273, 6-12=-1377/267, 6-10=-117/697, 8-10=-437/248 WEBS

## NOTES-

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

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-5-4, Exterior(2) 22-5-4 to 26-10-1, Interior(1) 26-10-1 to 35-5-0 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) 2, 9 except (#=lb) 12=145.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

SEAL 036322 GI' "mann

Structural wood sheathing directly applied or 5-7-12 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

6-12

10-0-0 oc bracing: 2-14.

1 Row at midpt

February 7,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE 



Qty Job Truss Truss Type Ply 150103940 J0621-3569 **B**7 COMMON Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:56 2022 Page 1 Comtech, Inc. Favetteville, NC - 28314. ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-v3UqHwLbKmal?T4Gx?GifLeNPd8zEulgjnzlVznYH1 19-8-14 26-5-0 Scale = 1:54.4 5x5 = 29-10-0 7.00 12 6x8 / 13 2x4 // 2x6 \ 14 0-10-11 0-8-12 10 5x8 169 8 3x4 =4x6 == 3x4 = 3x4 = 0.7-12 26-5-0 9-3-0 17-9-2 8-7-14 9-3-0 Plate Offsets (X,Y)--[4:0-4-0,Edge] GRIP **PLATES** DEFL. I/defl L/d LOADING (psf) SPACING-2-0-0 CSI. (loc) 244/190 Plate Grip DOL TC 0,26 Vert(LL) 80.0-8-10 >999 360 MT20 20.0 1.15 TCLL ВС 0.23 Vert(CT) -0.09 8-10 >999 240 TCDL 10.0 Lumber DOL 1.15 WB 0.57 Horz(CT) -0.00 n/a n/a BCLL 0.0 \* Rep Stress Incr YES Weight: 202 lb FT = 20%BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.01 7-8 >999 240 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x6 SP No.1 \*Except\* TOP CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 1-4: 2x10 SP No.1 BOT CHORD 5-10 BOT CHORD 2x6 SP No.1 WEBS 1 Row at midpt

WEBS 2x4 SP No.2

REACTIONS. (size) 7=Mechanical, 10=0-3-8

Max Horz 10=220(LC 9)

Max Uplift 7=-47(LC 13), 10=-175(LC 12) Max Grav 7=519(LC 24), 10=1948(LC 19)

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

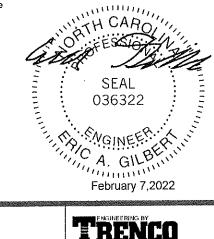
2-3=-538/962, 3-5=-517/1225, 5-6=-524/271, 6-7=-617/215 TOP CHORD

2-10=-759/664, 8-10=-376/378, 7-8=-145/471 BOT CHORD

3-10=-550/265, 5-10=-1590/656, 5-8=-145/742, 6-8=-448/261 WEBS

# NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -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.
- 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) 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
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 furus system. Before use, the building designer must verify the applicability of design parameters shown, and is for an individual building component, not a furus system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSf Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20501



Ply Qty Job Truss Truss Type 150103941 J0621-3569 В8 COMMON Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:57 2022 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID;3ZkAT1H?TWmBdJQ8i8CHLxz8j5Y-NF1CUGMD58vRN91HqfXVEsupZpxXijmuvNXWHxznYH0 Scale = 1:61.0 5x5 == 7.00 12 5 6x8 🛷 2x4 // 2x6 🔌 2x4 19 <sup>16</sup> 17 12 13 10 279 8 2-0-15 2-0-15 5x8 = 3x4 = 4x6 = 3x4 =3x4.0.8 6x12-70 86 A 0-1-12 0-2-4 [4:0-4-0,Edge], [11:0-3-0,0-4-0], [15:0-1-6,0-1-14] Plate Offsets (X,Y)--

LUMBER-

TCLL

TCDL

**BCLL** 

BCDL

LOADING (psf)

TOP CHORD 2x6 SP No.1 \*Except\*

1-4: 2x10 SP No.1

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

20.0

10.0

0.0

10.0

Wind(LL) **BRACING-**

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

TOP CHORD BOT CHORD WEBS

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

**PLATES** 

Weight: 208 lb

MT20

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

L/d

360

240

240

n/a

1 Row at midpt 5-15

I/defl

>999

>999

(loc)

8-10

7-8

2 >999

in

-0.05

-0.08

-0.02

0.02

REACTIONS. All bearings 0-3-8 except (jt=length) 7=Mechanical, 1=0-5-8.

Max Horz 15=233(LC 9) (ib) -

Max Uplift All uplift 100 lb or less at joint(s) 7, 1 except 12=-199(LC 13)

2-0-0

1.15

1.15

YES

Max Grav All reactions 250 lb or less at joint(s) except 7=573(LC 24), 15=1591(LC 1), 1=276(LC 23), 12=685(LC

CSI.

TC

вс

WB 0.33

Matrix-S

0.23

0.28

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

2-3=0/394, 3-5=0/768, 5-6=-560/249, 6-7=-719/193 TOP CHORD

SPACING-

Plate Grip DOL

Rep Stress Inci

Code IRC2015/TPI2014

Lumber DOL

**BOT CHORD** 7-8=-65/558

3-21=-637/311, 15-21=-650/315, 15-20=-1107/47, 5-20=-1181/164, 5-8=-134/719, WEBS

6-8=-439/250, 15-17=-473/0, 12-13=-586/0, 10-11=0/831, 18-19=0/662

## 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) -3-2-4 to 1-2-9, Interior(1) 1-2-9 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
- 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) Refer to girder(s) for truss to truss connections.
- 6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 1 except (jt=lb) 12=199.
- 8) n/a.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



GRIP

244/190

FT = 20%

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. 



Qty Ply Job Truss Truss Type 150103942 J0621-3569 В9 GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:19:58 2022 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-rSbaicNrsS1H?JcTOM2kn4Q?aDLYRD2170G3pOznYH? 26-5-0 13-0-12 3-5-0 13-4-4 Scale = 1:55.9 5x5 = 29-10-0 7.00 12 10 6x8 / 11 2x6 [] 12 2x6 || 13 2x6 || 14 15 0-10-11 98-12 5x8 = 21 20 17 16 27 26 25 23 22 19 18 0,7-12 4x6 = 26-5-0 26-5-0 Piate Offsets (X,Y)-- [6:0-4-0,Edge] L/d **PLATES** GRIP CSI. DEFL. in (loc) I/defl LOADING (psf) SPACING-2-0-0 244/190 120 MT20 TC 0.15 Vert(LL) -0.00 n/r 20.0 Plate Grip DOL 1.15 TCLL 120 Lumber DOL 1.15 ВĊ 0.04 Vert(CT) -0.01 n/r TCDL 10.0 WB 0.14 Horz(CT) 0.00 15 n/a n/a Rep Stress Incr YES BCLL 0.0 Weight: 232 lb FT = 20% Code IRC2015/TPI2014 Matrix-S BCDL 10.0 **BRACING-**LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x6 SP No.1 \*Except\* TOP CHORD BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 1-6: 2x10 SP No.1 BOT CHORD 2x6 SP No.1 ON THE CAROL 2x4 SP No.2 OTHERS REACTIONS. All bearings 26-5-0. Max Horz 2=275(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 27, 21, 19, 18, 17 except 2=-135(LC 12),

26=-102(LC 12), 16=-134(LC 13)

All reactions 250 lb or less at joint(s) 15, 22, 23, 24, 25, 26, 27, 21, 19, 18, 17 except 2=525(LC 1), 16=274(LC 20)

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

## NOTES-

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

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -3-2-7 to 1-2-5, Exterior(2) 1-2-5 to 13-4-4, Corner(3) 13-4-4 to 17-9-1, Exterior(2) 17-9-1 to 26-5-0 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 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 five 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) 23, 24, 25, 27, 21, 19, 18, 17 except (jt=lb) 2=135, 26=102, 16=134.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

SEAL 036322 MA. GIVE

February 7,2022





Edenton, NC 27932

lob	Truss		Truss Type		Qty	′	Ply			150103943
10621-3569	C1		KINGPOST		1		1			
						1		Job Reference (optional)		
Comtech, Inc. F	ayetteville, NC - :	28314.				8.4	130 s Aug	16 2021 MiTek Industries, In-	c. Mon Feb 7 11:19:59 2	022 Page 1
<del></del>	.,				ID:3ZkAT1H			CHLxz8j5Y-Je9yvxNTdm98cT		
	-0-10-8	5-9-13		10-6-0	4			21-0-0	21-10-8	
	0-10-8	5-9-13		4-8-3				10-6-0	b-10-8	
					rr —					Scale = 1:45.
					5x5 ==					

8 8.00 12 3x4 🛷 3 25 4 26 27 10 948 0-9-12 1-12 9 19 20 3x4 == 3x4 = 4x6 = 18 17 16 15 21-0-0 5-9-13 5-9-13 11-2-0 LOADING (psf) TCLL 20.0 **PLATES** GRIP CSI. DEFL. (loc) SPACING-2-0-0 244/190 Vert(LL) -0.01 2-20 >999 360 MT20 Plate Grip DOL 1.15 TC 0.12 -0.02 2-20 >999 240 1.15 вС 0.11 Vert(CT) TCDL 10.0 Lumber DOL 0.01 11 n/a BCLL 0.0 Rep Stress Incr YES WB 0.09 Horz(CT) n/a FT = 20% 2-20 >999 240 Weight: 166 lb Code IRC2015/TPI2014 Matrix-S Wind(LL) 8CDL 10.0

LUMBER-

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

2x4 SP No.2

BRACING-

TOP CHORD **BOT CHORD** JOINTS

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Brace at Jt(s): 22

All bearings 10-1-8 except (jt=length) 2=0-3-8, 11=0-3-8, 11=0-3-8, 18=0-3-8. REACTIONS.

Max Horz 2=-225(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 16, 14, 11 except 2=-116(LC 12), 17=-164(LC 12), 15=-104(LC 13),

13=-142(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 17, 16, 15, 14, 13, 11, 11 except 2=568(LC 1), 18=256(LC 3)

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

TOP CHORD

2-3=-634/96, 10-11=-267/123

BOT CHORD WEBS

2-20=-122/548, 18-20=-121/550, 17-18=-121/550

3-23=-510/251, 22-23=-487/233, 21-22=-506/249, 17-21=-503/242

## 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) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 10-6-0, Exterior(2) 10-6-0 to 14-10-13, Interior(1) 14-10-13 to 21-8-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) This truss has been designed for a 10,0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 14, 11 except (jt=lb) 2=116, 17=164, 15=104, 13=142.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 properly damage. For general guidance regarding the fabrication, storage, deflivery, reaction and bracing of trusses and truss systems, see ANSITPH1 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

Truss Type Qty Ply doL Truss 150103944 COMMON GIRDER J0621-3569 C2 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:00 2022 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:3ZkAT1H?TWm8dJQ8l8CHLxz8j5Y-nqjK7HO5O3H?EdmsVn4CsVVJS0qAv4iKbKlAtGznYGz 10-6-0 5-3-7 Scale = 1:45.1 5x5 = 8.00 12 2x4 \\ 2x4 // 0-9-12 18 🗟 3x10 == 緻 16 13 14 7 6 11 8 12 9 10 3x10 == 4x6 = 8x8 = 8x8 == 21-0-0 13-11-11 6-11-6 7-0-5 [1:0-10-0,0-0-7], [5:0-10-0,0-0-7], [6:0-4-0,0-4-12], [8:0-4-0,0-4-12] Plate Offsets (X,Y)--**PLATES** GRIP DEFL. l/defl L/d LOADING (psf) SPACING-2-0-0 CSI. in (loc) MT20 244/190 -0.10 5-6 >999 360 TC 0.25 Vert(LL) TCLL 20,0 Plate Grip DOL 1.15 ВC 0.86 Vert(CT) -0.17 5-6 >999 240 TCDL 10,0 Lumber DOL 1.15 Horz(CT) 0.03 5 n/a n/a WB **BCLL** 0,0 Rep Stress Incr NO 0.32 Wind(LL) 5-6 >999 240 Weight: 289 lb FT = 20% 0.06 BCDL 10.0 Code IRC2015/TPI2014 Matrix-S **BRACING-**LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD

**BOT CHORD** 

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

WEDGE

Left: 2x4 SP No.3 , Right: 2x4 SP No.3

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

Max Horz 1=-175(LC 25)

Max Uplift 1=-348(LC 8), 5=-455(LC 9) Max Grav 1=3311(LC 1), 5=3953(LC 1)

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

1-2=-4326/478, 2-3=-4175/538, 3-4=-4380/578, 4-5=-4527/517 TOP CHORD

BOT CHORD 1-8=-402/3424, 6-8=-209/2453, 5-6=-356/3603

3-6=-370/2613, 4-6=-262/265, 3-8=-293/2220, 2-8=-263/280 WEBS

# NOTES-

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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

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

5) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) except (jt=lb) 1=348, 5=455.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1. 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 499 lb down and 67 lb up at 1-10-4, 499 lb down and 67 lb up at 3-10-4, 499 lb down and 67 lb up at 5-10-4, 499 lb down and 67 lb up at 7-10-4, 499 lb down and 67 lb up at 9-10-4, 553 lb down and 85 lb up at 11-10-4, 553 lb down and 85 lb up at 13-10-4, 499 lb down and 67 lb up at 15-10-4, 499 lb down and 67 lb up at 17-10-4, and 510 lb down and 84 lb up at 18-11-12, and 510 lb down and 83 lb up at 19-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

ORTH CARO SEAL 036322 *A*. G۱۱

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

February 7,2022

LOAD CASE(S) Standard

Continued on page WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the labitication, storage, dolivery, erection and bracing of frusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road

Job	Truss	Truss Type	Qty	Ply	150400044
J0621-3569	C2	COMMON GIRDER	1	_	150103944
					Job Reference (optional)

Comtech, Inc.

Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:00 2022 Page 2 ID:3ZkAT1H?TWm8dJQ8l8CHLxz8j5Y-nqjK7HO5O3H?EdmsVn4CsVVJS0qAv4iKbKlAtGznYGz

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) 16=-499(F) 17=-510(F) 18=-510(F)



Qty Ply Truss Type Job Truss 150103945 COMMON SUPPORTED GAB J0621-3569 D01 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:01 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-F1HjKdPj9NPssnL23UbRPi2XqQNlecdUp\_VjPiznYGy Fayetteville, NC - 28314, Comtech, Inc. -0-10-8 0-10-8 11-4-0 5-8-0 0-10-8 Scale = 1:27.7 5x5 = 5 8,00 12 10 11 13 12 3x4 = 3x4 == **PLATES** GRIP DEFL (loc) t/deft L/d LOADING (psf) SPACING-2-0-0 CSI 244/190 MT20 0.02 Vert(LL) -0.00nle 120 20.0 Plate Grip DOL 1,15 TC TCLL 120 BC 0.01 Verl(CT) -0.008 n/r Lumber DOL 1.15 TODL 10.0 WB 0.02 Horz(CT) 0.00 8 n/a n/a Rep Stress Inci YES 0.0 BCLL FT = 20%Weight: 79 lb Code IRC2015/TPI2014 Matrix-S 10,0 BCDL

LUMBER-

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

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

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

REACTIONS. All bearings 11-4-0. (lb) - Max Horz 2=102(LC 11)

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

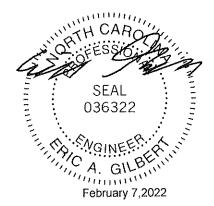
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

## NOTES

Unbalanced roof live loads have been considered for this design.

- 7) 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 stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \*This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 14, 11, 10.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 properly damage. For general guidance regarding the fabrication, storage, delivery, crection and bracing of trusses and truss systems, see ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road

Job	Truss	Truss Type	Qty	Ply	NII - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
J0621-3569	ET-1	Figur Rupperted Cable	4	,	150103946
	LI-1	Floor Supported Gable	'	'	Job Reference (optional)

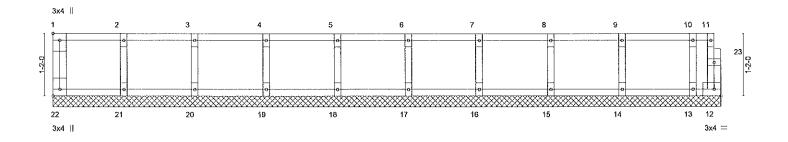
Comtech, Inc,

Fayetleville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:02 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-jDr5YzQLwhXjTwwEdC6gxwbixqjtN3jd2eEHx9znYGx

 $8_{[\underline{L}]}0$ 

Scale = 1:20.7



			12-6-4						············
Plate Offsets (X,Y)	[1:Edge,0-1-8], [22:Edge,0-1-8]		¥						<del></del> _
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL)	n/a `	· -	n/a	999	MT20	244/190
FCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT)	n/a		n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R						Weight: 55 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

2x4 SP No.1(flat) BOT CHORD 2x4 SP No.3(flat) WEBS

2x4 SP No.3(flat) OTHERS

BRACING.

TOP CHORD

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

except end verticals.

BOT CHORD

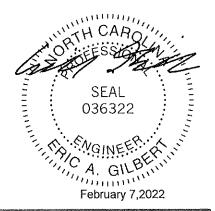
Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-6-4.

(ib) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) CAUTION, Do not erect truss backwards.



MARNING - Veilfy design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. AM WARNING - Veilty design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE - AGE MILTATA REV. 5179220 BEFORE OSE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property Incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of Irusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



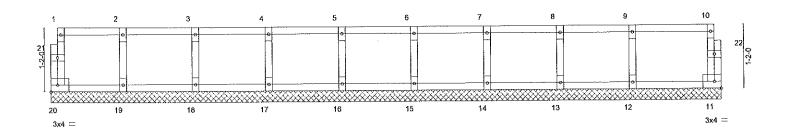
Job	Truss	Truss Type	Qty	Ply	150103947
J0621-3569	ET-2	Floor Supported Gable	1	1	Job Reference (optional)

Comtech, Inc. Fayetleville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:03 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-CPPTIJR\_h\_fa54VRAvdvU77s5E376WxmHl\_qUbznYGw

0118

0<sub>1</sub>1<sub>1</sub>8 Scale = 1:20.2



		12-3-8 12-3-8						
2-0-0 DOL 1.00 DL 1.00 Incr YES	CSI. TC 0.10 BC 0.02 WB 0.03	DEFL. Verl(LL) Verl(CT) Horz(CT)	in (i n/a n/a 0,00	loc) - - 11	l/defi n/a n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190 FT = 20%F, 11%E
Incr		YES WB 0.03	YES WB 0.03 Horz(CT)	YES WB 0.03 Horz(CT) 0.00	YES WB 0.03 Horz(CT) 0.00 11	YES WB 0.03 Horz(CT) 0.00 11 n/a	YES WB 0.03 Horz(CT) 0.00 11 n/a n/a	YES WB 0.03 Horz(CT) 0.00 11 n/a n/a

LUMBER-

 TOP CHORD
 2x4 SP No.1(flat)

 BOT CHORD
 2x4 SP No.1(flat)

 WEBS
 2x4 SP No.3(flat)

 OTHERS
 2x4 SP No.3(flat)

BRACING-TOP CHORD

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

except end verticals.

BOT CHORD Rigid ceiling directly:

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

REACTIONS. All bearings 12-3-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

## NOTES-

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Non Standard bearing condition. Review required.
- 6) This truss is designed in accordance with the 2015 international Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
   Strongbacks to be attached to walls at their outer ends or restrained by other means.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE Mil-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 link 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 flabrication, storage, delivery, arection and bracing of trusses and truss systems, see ANSITPF1 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		Ply	150103948
J0621-3569	F1	Floor	5	1	150 103840
					Job Reference (optional)

Comtech, Inc,

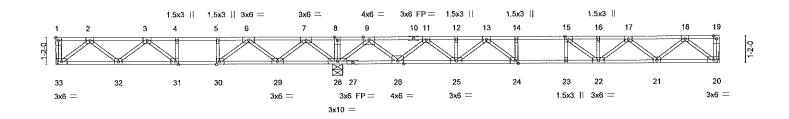
Fayetteville, NC - 28314,

8,430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:04 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-gcyryfRcSloRjE4dkd981LguldDdrrnwWyjOD1znYGv

2-0-8

1-3-0 1-8-0

Scale: 1/4"=1"



	12-3-8 12-3-8			-			- Labella Waller		11-8 -8-0		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [15:0-1-8,E	dge], [24:0-1	-8,Edge], [30:	0-1-8,Edge	), [31:0-1-8,Edge]					· · · · · · · · · · · · · · · · · · ·	\_\_\
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TPI	2-0-0 1.00 1.00 YES 2014	BC	0.67 0.77 0.57 ·S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.24 0.04	(loc) 23 23 20	l/defl >999 >844 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 146 lb	GRIP 244/190 FT = 20%F, 11%E

LUMBER-

WEBS

TOP CHORD 2x4 SP No.1(flat) BOT CHORD

2x4 SP No.1(flat) 2x4 SP No.3(flat) **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. (size) 33=Mechanical, 28=0-5-8, 20=Mechanical

Max Grav 33=581(LC 3), 28=1907(LC 1), 20=798(LC 4)

TOP CHORD

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

2-3=-1076/4, 3-4=-1407/357, 4-5=-1407/357, 5-6=-1407/357, 6-7=-468/1047,

7-8=0/2174, 8-9=0/2174, 9-11=-404/345, 11-12=-1892/0, 12-13=-1892/0, 13-14=-2729/0,

14-15=-2729/0, 15-16=-2557/0, 16-17=-2557/0, 17-18=-1611/0  $32 - 33 = 0/702,\ 31 - 32 = -102/1393,\ 30 - 31 = -357/1407,\ 29 - 30 = -734/1024,\ 28 - 29 = -1349/0,$ 

BOT CHORD

26-28=-906/0, 25-26=-81/1263, 24-25=0/2367, 23-24=0/2729, 22-23=0/2729,

21-22=0/2204, 20-21=0/986  $2 - 33 = -881/0, \ 2 - 32 = -31/487, \ 3 - 32 = -412/127, \ 3 - 31 = -404/18, \ 7 - 28 = -1302/0, \ 7 - 29 = 0/871,$ 

6-29=-902/0, 6-30=0/871, 5-30=-377/0, 9-28=-1622/0, 9-26=0/1197, 11-26=-1159/0, 11-25=0/846, 13-25=-653/0, 13-24=0/744, 14-24=-328/0, 18-20=-1237/0, 18-21=0/814,

17-21=-772/0, 17-22=0/450, 15-22=-410/188

## NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITPH 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	1
		**		1	150103949
J0621-3569	F2	Floor	3	1	
			<u>L</u>	<u> </u>	Job Reference (optional)

Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:05 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-8oWDA?SEDcwlKOfplKgNZYD3i1WPaH63kcTxYUznYGu

1-3-0

1-7-0

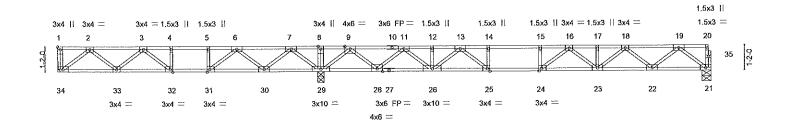
Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 2-2-0 oc bracing.

except end verticals.

2-3-4

Scale = 1;51.2



1	12-2-8 12-2-8				30-4-4 18-1-1			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [24:0-1-8,Edge], [25:0-1	-8,Edge], [31:0-1-8,Edge	], [32:0-1-8,Edge]					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code JRC2015/TPI2014	CSI. TC 0.67 BC 0.92 WB 0.63 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.26 23-24 -0.35 23-24 0.05 21	l/defl >836 >610 n/a	L/d 480 360 n/a	PLATES MT20  Weight: 152 lb	GRIP 244/190 FT = 20%F, 11%E

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

TOP CHORD

**BOT CHORD** 

TOP CHORD 2x4 SP No.1(flat) \*Except\* 10-20: 2x4 SP 2400F 2.0E(flat)

BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WEBS

(size) 34=Mechanical, 29=0-3-8, 21=0-5-0

Max Grav 34=573(LC 3), 29=1994(LC 1), 21=874(LC 4)

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

2-3=-1057/43, 3-4=-1368/440, 4-5=-1368/440, 5-6=-1368/440, 6-7=-434/1168,

7-8=0/2310, 8-9=0/2310, 9-11=-457/328, 11-12=-2139/0, 12-13=-2139/0, 13-14=-3274/0, 14-15=-3274/0, 15-16=-3274/0, 16-17=-2966/0, 17-18=-2966/0, 18-19=-1813/0

33-34=-1/692, 32-33=-159/1364, 31-32=-440/1368, 30-31=-838/989, 29-30=-1484/0,

28-29=-949/0, 26-28=-43/1410, 25-26=0/2709, 24-25=0/3274, 23-24=0/3251,

22-23=0/2510, 21-22=0/1091

2-34=-868/2, 2-33=-54/475, 3-33=-401/152, 3-32=-443/4, 7-29=-1315/0, 7-30=0/885, WEB\$

6-30=-917/0, 6-31=0/889, 5-31=-382/0, 19-21=-1366/0, 19-22=0/941, 18-22=-908/0,

18-23=0/582, 9-29=-1749/0, 9-28=0/1321, 11-28=-1278/0, 11-26=0/968, 13-26=-769/0,

13-25=0/992, 14-25=-469/0, 16-23=-364/0, 16-24=-315/333

# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.



February 7,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Dasign 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

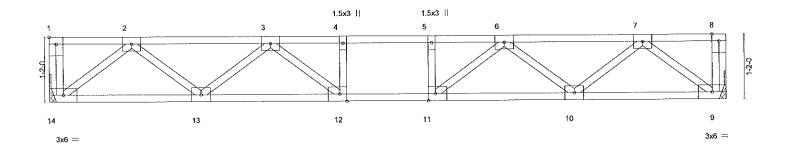
ANSI/TPI1 Qu
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty Ply 150103950
J0621-3569	F3	Floor	3 1 Job Reference (optional)
Comtech, Inc,	Fayetleville, NC - 28314,		8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:06 2022 Page 1

1-3-0 1-5-12

Scale = 1:19.9



	12-2-12 12-2-12	<u> </u>
Plate Offsets (X,Y)   [1:Edge,0-1-8], [11:0-1-8,Edge], [12:0-1		PLATES GRIP MT20 244/190  Weight: 63 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) 2x4 SP No.1(flat) BOT CHORD

WEBS 2x4 SP No.3(flat) BRACING-TOP CHORD

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

except end verticals.

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

REACTIONS. (size) 14=Mechanical, 9=Mechanical

Max Grav 14=659(LC 1), 9=659(LC 1)

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

2-3=-1262/0, 3-4=-1866/0, 4-5=-1866/0, 5-6=-1866/0, 6-7=-1262/0 TOP CHORD 13-14=0/804, 12-13=0/1686, 11-12=0/1866, 10-11=0/1686, 9-10=0/804 BOT CHORD

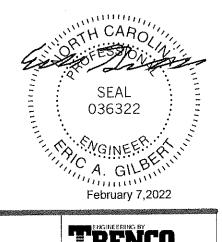
2-14=-1008/0, 2-13=0/597, 3-13=-551/0, 3-12=0/417, 7-9=-1008/0, 7-10=0/597,

6-10=-551/0, 6-11=0/417

## NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



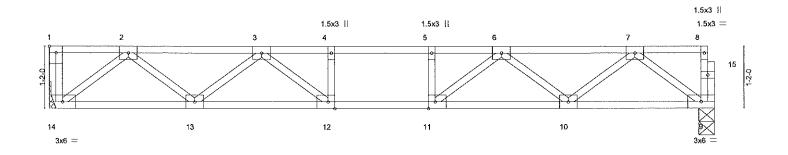
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 labrication, storage, delivery, erection and bracing of trusses and fruss systems, see ANSI/TPI (Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	
		j			I50103951
J0621-3569	F4	Floor	5	1	
					Job Reference (optional)
Comtech, Inc, F	Fayetteville, NC - 28314,		8	.430 s Aug	16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:07 2022 Page 1
			ID:37kAT1H2TWr	nBdJO8l8r	CHLxz8i5Y-4Re_bgUElkDA0aioCPlirezIVgrKp2GgMCwy2dMzgYGs

1<u>-9-4</u> 0<u>1</u>18

Scale = 1:20.8



1				12-6-4					
1				12-6-4					1
Plate Offsets ()	X,Y) [1:Edge,0-1-8], [11	:0-1-8,Edge], [12:0-1	I-8,Edge]						
				T					
LOADING (psf	r) SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defi	L/d	PLATES	GRIP
TCLL 40.0	0 Plate Grip [	OOL 1.00	TC 0.31	Vert(LL)	-0.08 12-13	>999	480	MT20	244/190
TCDL 10.0	0 Lumber DO	L 1.00	BC 0.42	Vert(CT)	-0.11 12-13	>999	360		
BCLL 0.6	0 Rep Stress	Incr YES	WB 0.30	Horz(CT)	0.02 9	n/a	n/a		
BCOL 5,0	0 Code IRC2	015/TPI2014	Matrix-S	, ,				Weight; 63 lb	FT = 20%F, 11%E
				J					

**BRACING-**

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

1-3-0

BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)

No.1(flat) TOP CHORD No.1(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals,

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

REACTIONS.

(size) 14=Mechanical, 9=0-3-8

Max Grav 14=675(LC 1), 9=669(LC 1)

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

TOP CHORD 2-3=-1302/0, 3-4=-1952/0, 4-5=-1952/0, 5-6=-1952/0, 6-7=-1302/0 BOT CHORD 13-14=0/825, 12-13=0/1744, 11-12=0/1952, 10-11=0/1744, 9-10=0/824

WEBS 2-14=-1035/0, 2-13=0/621, 3-13=-575/0, 3-12=0/462, 7-9=-1032/0, 7-10=0/622, 6-10=-576/0, 6-11=0/462

## NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center,
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.



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 willt MiTek® connectors. This design is based only upon parameters shown, and is for an Individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, slorage, delivery, erection and bracing of trusses and truss systems, see \_\_\_\_\_\_ANTIP11 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 '			1400000
			_			150	103952
J0621-3569	F5	Floor	2	1			
					Job Reference (optional)		
		761		430 n A.ua	46 2021 MiTak Industries Inc. Man	Eab 7 11:20:07 2022 Pa	ce 1

Comtech, Inc. Fayetteville, NC - 28314, ID;3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-4Be\_bgUUkDA0aioCPlirezISfrEn2CQMCwy2dMznYGs

1-3-0

1-10-0

0-11-8 Scale = 1:29.9

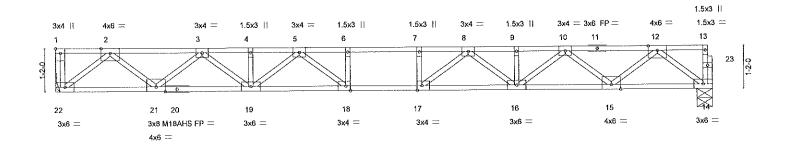


Plate Offsets (X,Y)	[1:Edge,0-1-8], [17:0-1-8,Edge], [18:0-1	-8 Edgel	17-10-0 17-10-0	1.0740			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.51 BC 0.80 WB 0.51 Matrix-S	DEFL. in ( Vert(LL) -0.28 17 Vert(CT) -0.39 17 Horz(CT) 0.07		L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 91 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
LUMBER-	1000		BRACING-				

LUMBER-

WEBS

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat)

TOP CHORD

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

except end verticals.

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

REACTIONS.

(size) 22=Mechanical, 14=0-5-0 Max Grav 22=967(LC 1), 14=961(LC 1)

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

2-3=-2036/0, 3-4=-3390/0, 4-5=-3390/0, 5-6=-4040/0, 6-7=-4040/0, 7-8=-4040/0, TOP CHORD 8-9=-3390/0, 9-10=-3390/0, 10-12=-2035/0

21-22=0/1208, 19-21=0/2830, 18-19=0/3794, 17-18=0/4040, 16-17=0/3794, 15-16=0/2830, **BOT CHORD** 

14-15=0/1207

2-22=-1516/0, 2-21=0/1077, 3-21=-1034/0, 3-19=0/716, 5-19=-516/0, 5-18=-77/635,

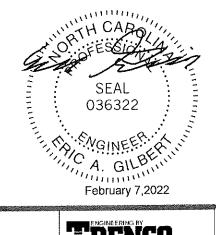
6-18=-290/0, 12-14=-1512/0, 12-15=0/1078, 10-15=-1034/0, 10-16=0/715, 8-16=-516/0,

8-17=-77/635, 7-17=-290/0

# NOTES-

WE8S

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.



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 MTEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracking indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracking is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the affabrication, storage, delivery, erection and bracking of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



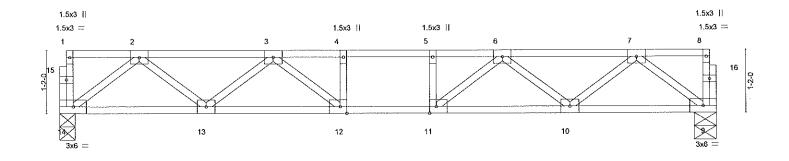
Job	Truss	Truss Type	Qty	Ply	-
J0621-3569	F6	Floor	5	1	150103953
00021 0000					Job Reference (optional)
Comtech, Inc.	Favetteville, NC - 28314.		8	430 s Aug	16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:08 2022 Page 1

ID:3ZkAT1H?TWmBdJQ8l8CHi.xz8j5Y-YNCMo0U6VXltBsNOzSD4BBrgHFgTnjCWQahb9oznYGr





0<sub>1</sub>1<sub>7</sub>8 Scale = 1:20.6



				12-3-8	- 1900au 1917 - 1917			
12:3-8								
Plate Offse	ets (X,Y)	[11:0-1-8,Edge], [12:0-1-8,Edge]	.1100000					
LOADING TCLL TCDL BCLL	40.0 10.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.26 BC 0.39 WB 0.29	DEFL. in (loc) I/defl L/d Vert(LL) -0.07 12-13 >999 480 Vert(CT) -0.09 12-13 >999 360 Horz(CT) 0.02 9 n/a n/a	PLATES GRIP MT20 244/190			
BCDL	0.0 5.0	Code IRC2015/TPI2014	Matrix-S	11012(01) 0.02 3 1114 1114	Weight: 62 lb FT = 20%F, 11%E			

**BRACING-**

TOP CHORD

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)

BOT CHORD

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

except end verticals.

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

REACTIONS.

(size) 14=0-3-8, 9=0-5-0

Max Grav 14=656(LC 1), 9=656(LC 1)

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

2-3=-1271/0, 3-4=-1885/0, 4-5=-1885/0, 5-6=-1885/0, 6-7=-1271/0

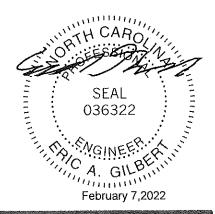
BOT CHORD WEBS

13-14=0/808, 12-13=0/1699, 11-12=0/1885, 10-11=0/1699, 9-10=0/808 2-14=-1011/0, 2-13=0/603, 3-13=-557/0, 3-12=0/427, 7-9=-1011/0, 7-10=0/603,

6-10=-557/0, 6-11=0/427

# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 5/19/2020 BEFORE USE.

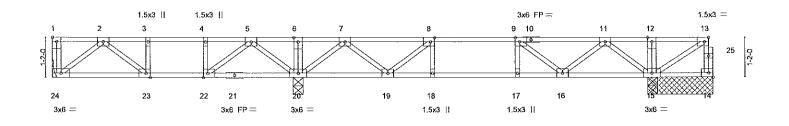
Design valid for use only with MITex® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, debirery, 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



Job	Truss	Truss Type	Qty	Ply	L
					150103954
J0621-3569	F7	Floor	1	1	
	1	İ			Job Reference (optional)
Comtech, Inc, Fayet	eville, NC - 28314,		8	.430 s Aug	16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:09 2022 Page 1
ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-0Zmk0MVkGqQkp?yaXAkJkONrTe37WB7ffER9hFznYGq					

2-4-4

Scale: 3/8"=1"



1	7-2-4 7-2-4	+	17-5-0 10-2-12		17-6-8 0-1-8	19-4-0 1-9-8
Plate Offsets (X,Y)	[1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8	Edge], [13:0-1-8,Edge], [	22:0-1-8,Edge], [23:0-1-8,Edge]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	I/defl L/d	PLATES	GRIP
TCLL 40,0 TCDL 10,0	Plate Grip DOL 1,00 Lumber DOL 1,00	TC 0.30 BC 0.23	Vert(LL) -0.03 18 Vert(CT) -0.04 18		MT20	244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.24 Matrix-S	Horz(CT) 0.01 15	n/a n/a	Weight: 99 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat)

1-3-0

1-6-12

BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) BRACING-TOP CHORD

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

except end verticals.

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

REACTIONS. All bearings 1-11-0 except (jt=length) 24=Mechanical, 20=0-3-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 14=-398(LC 10)

Max Grav All reactions 250 lb or less at joint(s) except 24=357(LC 3), 20=1028(LC 9), 15=1138(LC 10), 15=1049(LC 1)

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

13-14=0/401, 2-3=-535/44, 3-4=-535/44, 4-5=-535/44, 5-6=0/574, 6-7=0/574, 7-8=-604/0, 8-9=-908/0, 9-11=-520/0, 11-12=0/735, 12-13=0/735 TOP CHORD

BOT CHORD 23-24=0/380, 22-23=-44/535, 20-22=-247/251, 19-20=-29/272, 18-19=0/908,

17-18=0/908, 16-17=0/908

5-20=-647/0, 5-22=0/513, 4-22=-255/0, 11-15=-839/0, 11-16=0/489, 9-16=-496/0,

13-15=-849/0, 2-24=-476/0, 7-20=-824/0, 7-19=0/453, 8-19=-433/0

# NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 14.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) CAUTION, Do not erect truss backwards.



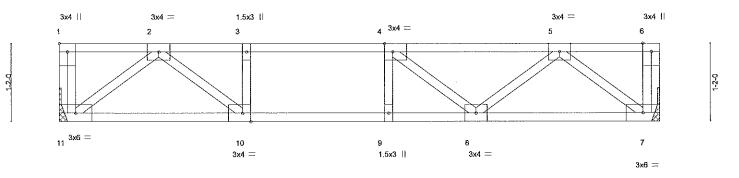
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. MANNING - venty design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIL-7473 rev. 5/19/2020 BEFORE USE.

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, dellivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Job	Truss	Truss Type	Qty	Ply	
					150103955
J0621-3569	F8	Floor	3	1,	
					Job Reference (optional)
Comtech, Inc. Fayette	ville, NC - 28314,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Feb. 7 11:20:10 2022 Page 1
		ID:3ZkAT1	H?TWmBc	IJQ8I8CHI	.xz8j5Y-UmK6DiWN18YaR9Xn5lFYGcw?x2KdFd3ouuAiEhznYGp
<u> </u>	1-3-0	2-0-0			

Scale = 1:16.5



						9-0-0						
						9-0-0					,	1000-000-0000
Plate Offse	ets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,E	:dge], [10:0-1-	8,Edge)						NAME AND PARTY OF THE PARTY OF		
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.07	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.09	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code IRC2015/TF	PI2014	Matri	x-S						Weight: 46 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.1(flat) BOT CHORD

2x4 SP No.1(flat) 2x4 SP No,3(flat)

> (size) 11=Mechanical, 7=Mechanical Max Grav 11=481(LC 1), 7=481(LC 1)

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

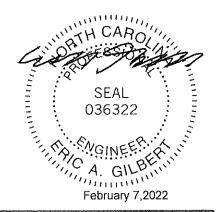
TOP CHORD 2-3=-964/0, 3-4=-964/0, 4-5=-812/0

BOT CHORD 10-11=0/549, 9-10=0/964, 8-9=0/964, 7-8=0/585 WEBS

5-7=-734/0, 5-8=0/296, 4-8=-258/0, 2-11=-689/0, 2-10=0/555

## NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Plates checked for a plus or minus 1 degree rotation about its center.
- 3) Refer to girder(s) for truss to truss connections.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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

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

except end verticals.

MARNING - 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 slability and to prevent collapse with possible personal injury and properly damage. For general guildance regarding the fabrication, storage, delivery, crection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSi Building Component Safety information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Scale = 1:44.5

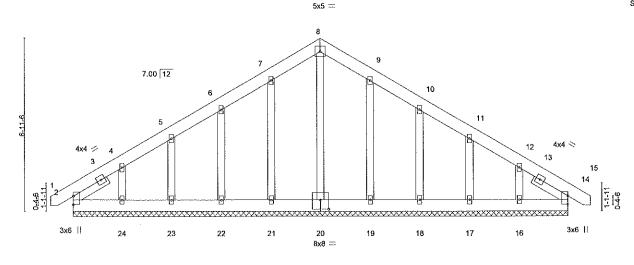


Plate Offsets (X,Y)--[20:0-4-0,0-4-8] LOADING (psf) SPACING-CSI. DEFL. l/defl L/d **PLATES GRIP** 2-0-0 in (loc) 244/190 Plate Grip DOL 0.03 Vert(LL) -0.00 120 MT20 TCLL 20.0 1.15 TC 14 n/r TCDL 10.0 Lumber DOL 1.15 BC 0.02 Vert(CT) -0.00 14 n/r 120 BCLL 0.0 Rep Stress Incr YES WB 0.08 Horz(CT) 0.00 14 n/a n/a Code IRC2015/TPI2014 Weight: 157 lb FT = 20%BCDL 10.0 Matrix-S

BRACING-

TOP CHORD

**BOT CHORD** 

19-11-0

LUMBER-

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

OTHERS 2x4 SP No.2

SLIDER Left 2x4 SP No.2 1-7-9, Right 2x4 SP No.2 1-7-9

REACTIONS. All bearings 19-11-0.

(ib) - Max Horz 2=-192(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 14, 2, 21, 22, 23, 19, 18, 17 except 24=-143(t.C 12),

16=-128(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 14, 2, 20, 21, 22, 23, 24, 19, 18, 17, 16

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

## NOTES

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

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-5 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 stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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 (it=lb) 24=143, 16=128.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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 slability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, cerction and bracing of trusses and truss systems, see — ANSITP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Weldorf, MD 20601



dob Truss Truss Type Qty P۱۷ 150103957 J0621-3569 G2 COMMON Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:12 2022 Page 1
ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-R8RteOXdZlolgTh9ClI0L1?Pms2RjZA5LCtplaznYGn Fayetteville, NC - 28314 Comtech, Inc. 9-11-8 19-11-0 5-1-8 4-10-0 4-10-0 Scale = 1:41.8 5x5 === 5 7.00 12 13 2x4 🤣 7 4x4 >

> 9-11-8 19-11-0 9-11-8 9-11-8

10

8x8 =

Plate Offsets (X,Y)	[2:0-6-13,0-0-7], [8:0-6-13,0-0-7], [10:0	}-4-0,0-4-8]		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP	
TCLL 20.0	Plate Grip DOL. 1.15	TC 0.10	Vert(LL) -0.05 8-10 >999 360 MT20 244/190	
TCDL 10,0	Lumber DOL 1.15	BC 0.32	Vert(CT) -0.10 8-10 >999 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.01 8 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.01 10 >999 240 Weight: 141 lb FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.2

SLIDER Left 2x4 SP No.2 2-11-9, Right 2x4 SP No.2 2-11-9

REACTIONS.

(size) 8=0-3-8, 2=0-3-8 Max Horz 2=-154(LC 8)

Max Uplift 8=-54(LC 13), 2=-54(LC 12) Max Grav 8=843(LC 1), 2=843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1075/272, 4-5=-833/229, 5-6=-833/229, 6-8=-1075/272

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

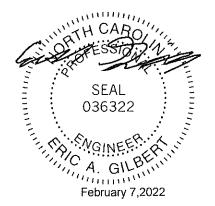
3x10 ||

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

# NOTES-

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

- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-5 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.
  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) 8, 2.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



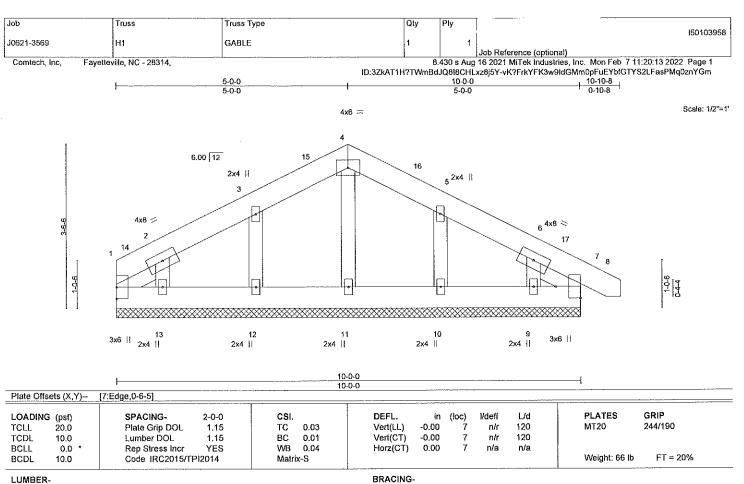
3x10 ||

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

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

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 and properly incidence in 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 provent buckling of individual truss web and/or chord members only. Additional temporary and parameter has been applicable to the overall building design. Bracing indicated is to provent buckling of individual truss web and/or chord members only. Additional temporary and parameter been applicable to the overall building design, Bracing indicated is to provent 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





TOP CHORD

BOT CHORD

LUMBER-

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

**OTHERS** 2x4 SP No.2 SLIDER

Left 2x4 SP No.2 0-11-13, Right 2x4 SP No.2 0-11-13

REACTIONS. All bearings 10-0-0

(lb) - Max Horz 1=65(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 13, 10, 9 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 11, 12, 13, 10, 9

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

## NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 4-4-13, Exterior(2) 4-4-13 to 5-0-0, Corner(3) 5-0-0 to 9-4-13, Exterior(2) 9-4-13 to 10-8-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

  3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see Standard Industry Corlos End Details on applicable as applic
- 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, 7, 12, 13, 10, 9.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

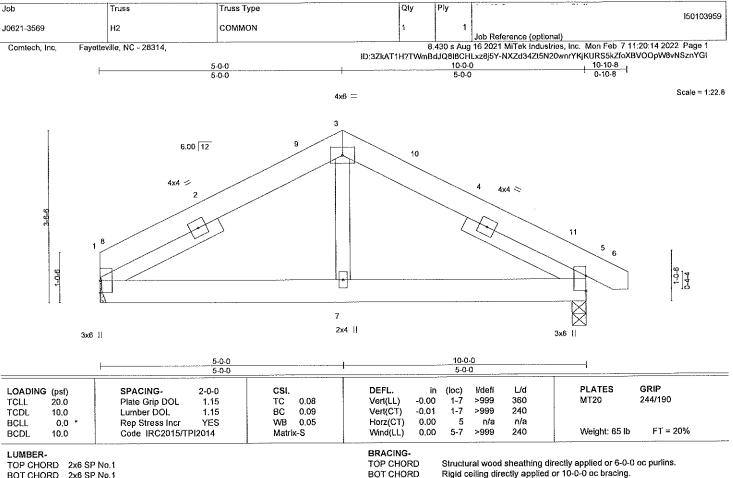
Rigid ceiling directly applied or 10-0-0 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. PART WINDOWN - Venin usign parameters and NCAD NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-747 fev. 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 fruss 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 lemporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property dange. 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





BOT CHORD 2x6 SP No.1

2x4 SP No.2 WEBS SLIDER Left 2x4 SP No.2 2-8-14, Right 2x4 SP No.2 2-8-14

REACTIONS. (size) 1=Mechanical, 5=0-3-8

Max Horz 1=45(LC 9)

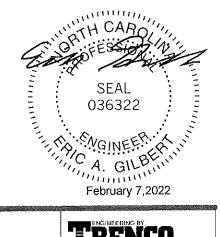
Max Uplift 1=-22(LC 12), 5=-33(LC 13) Max Grav 1=398(LC 1), 5=445(LC 1)

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

TOP CHORD 1-3=-487/218, 3-5=-488/213 BOT CHORD 1-7=-82/360, 5-7=-82/360

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

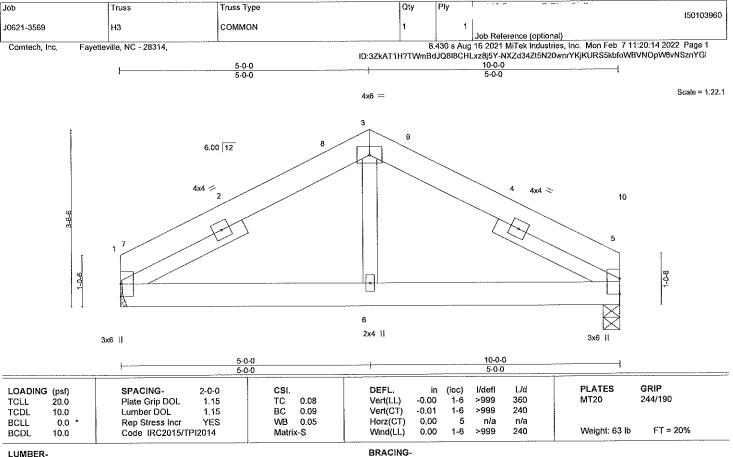
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 5-0-0, Exterior(2) 5-0-0 to 9-4-13, Interior(1) 9-4-13 to 10-8-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) 1, 5.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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TOP CHORD

**BOT CHORD** 

LUMBER-

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

SHIDER Left 2x4 SP No.2 2-8-14, Right 2x4 SP No.2 2-8-14

REACTIONS.

(size) 1=Mechanical, 5=0-4-0

Max Horz 1=-40(LC 8)

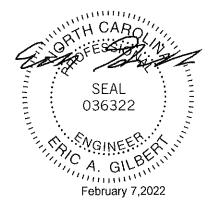
Max Uplift 1=-22(LC 12), 5=-22(LC 13) Max Grav 1=400(LC 1), 5=400(LC 1)

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

1-3=-491/219, 3-5=-490/219 TOP CHORD 1-6=-77/363, 5-6=-77/363 **BOT CHORD** 

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

- 2) Wind: ASCE 7-10; Vuit=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 5-0-0, Exterior(2) 5-0-0 to 9-4-13, Interior(1) 9-4-13 to 10-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) 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) 1, 5.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

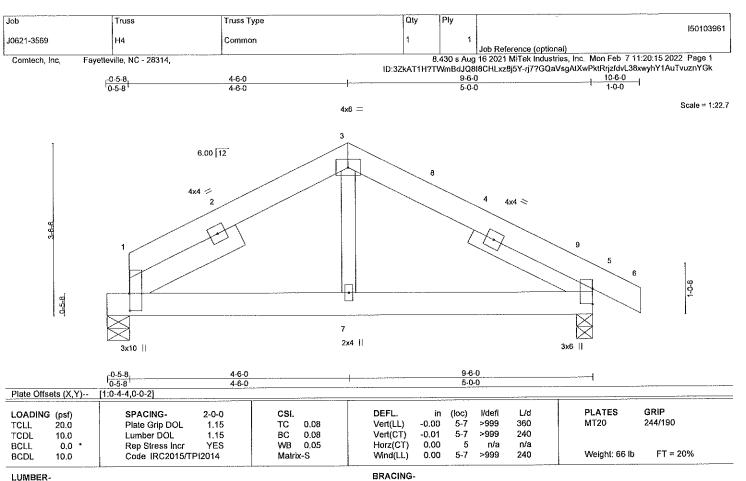


Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 Iev. 5/19/2020 BEFORE USE. AWARRING - Venty design parameters and re-RAD NOTES ON THIS ARD INCLUDED MILES NET INCLUDED MILES ARD INCLUD





TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.2

Left 2x6 SP No.1 2-6-14, Right 2x4 SP No.2 2-8-14 SLIDER

REACTIONS.

(size) 1=0-5-8, 5=0-4-0 Max Horz 1=41(LC 9)

Max Uplift 1=-19(LC 12), 5=-37(LC 13) Max Grav 1=377(LC 1), 5=443(LC 1)

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

1-3=-448/219 3-5=-460/212 TOP CHORD 1-7=-75/318, 5-7=-75/318 BOT CHORD

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) 0-0-0 to 8-10-13, Interior(1) 8-10-13 to 10-6-0 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.
- 4) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
- 6) This truss is designed in accordance with the 2015 international Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

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818 Soundside Road

Qty Ply Job Truss Truss Type 150103962 MONOPITCH SUPPORTED J0621-3569 Mi Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:16 2022 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-JvhOUlb8d\_lk94\_wR8MyWtA4xTUjfN2hGqd0RLznYGj 7-8 12,0-12 7-8 0-5-4 0-11-0 0-11-0 Scale = 1:47.0 3x4 || 7.00 12 OTH CARO 5 3x6 < 036322 10 11 16 15 14 13 12 3x4 = 3x4 |1 3x4 || 1 **PLATES** GRIP LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defl L/d 2-0-0 MT20 244/190 Plate Grip DOL 1.15 TC 0.09 Vert(LL) 0.008 n/r 120 TCLL 20.0 0.00 n/r 120 TCDL 10.0 Lumber DOL 1.15 BC 0.04 Vert(CT) 8 -0.00 0,0 Rep Stress Incr YES WB 0.10 Horz(CT) 10 n/a n/a BCLL FT = 20% Weight: 84 lb 10.0 Code IRC2015/TPI2014 Matrix-S **BCDL** 

LUMBER-

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

BRACING-

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

except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 11-7-8.

(ib) - 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.

3-4=-313/247, 4-5=-253/198 TOP CHORD 15-16=-293/224, 14-15=-293/224 BOT CHORD 3-15=-318/184, 3-14=-298/392 WEBS

# 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) -0-10-8 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
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

February 7,2022





Qty Job Truss Truss Type PΙγ 150103963 J0621-3569 М2 MONOPITCH Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:18 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-Flp8vRcO9bYSOO8JZZPQbIFKPH2K7I9\_k867WDznYGh Comtech, Inc, Fayetteville, NC - 28314, 5-9-8 5-9-8 12-0-12 0-5-4 0-11-0 5-10-0 Scale = 1:45.8 3x4 || 3 7.00 12 9 6 <sub>5</sub> 4x4 | 11-7-8 **PLATES** GRIP DEFL. L/d LOADING (psf) SPACING-(loc) l/defl 2-0-0 CSI. ín MT20 244/190 Plate Grip DOL 0.47 Vert(LL) -0.212-6 >652 360 TCLL 20.0 1.15 TC 240 вс 0.55 Vert(CT) -0.37 2-6 >365 1.15 TCDL 10.0 Lumber DOL Rep Stress Incr YES WB 0,00 Horz(CT) 0.00 6 n/a n/a BCLL 0.0 Weight: 85 lb FT = 20%Code IRC2015/TPI2014 Wind(LL) 0,06 2-6 >999 10.0 Matrix-S RCDL BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x8 SP No.1 except end verticals.

BOT CHORD

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

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

WEDGE

Left: 2x4 SP No.2

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

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.

TOP CHORD 3-6=-437/288

- 1) Wind: ASCE 7-10; Vull=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.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-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 designor must verify the applicability of design parameters and properly incorporate this design into the overall building designs, 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent occliapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSS-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 150103964 MONOPITCH J0621-3569 M2-P Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:19 2022 Page 1 Fayetteville, NC - 28314, Comtech, Inc,

ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-kUNW6nd0wvgJ0YjV6Gwf7VoVPgOfslP7yosg2gznYGg 0-11-0 0-11-0 5-9-8

Scale = 1:43.8

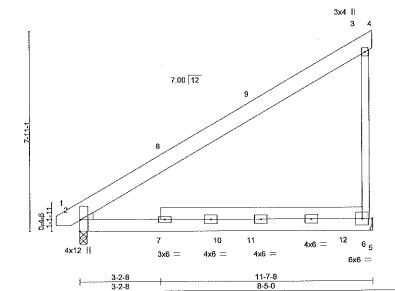


Plate Offsets (X,Y)	[2:Edge,0-0-6]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.46 BC 0.54 WB 0.00 Matrix-S	DEFL.         in (loc)         l/defl         L/d         PLATES         GRIF           Vert(LL)         -0.05         2-6         >999         360         MT20         244/           Vert(CT)         -0.16         2-6         >858         240           Horz(CT)         0.00         6         n/a         n/a           Wind(LL)         0.03         2-6         >999         240         Weight: 102 lb         FT	

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

2x8 SP No.1 TOP CHORD BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.2 \*Except\*

6-7; 2x6 SP No.1

WEDGE Left: 2x4 SP No.2

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

Max Horz 2=233(LC 12)

Max Grav 6=793(LC 19), 2=675(LC 19)

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

TOP CHORD 3-6=-407/265

# 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) -0-7-1 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

except end verticals.

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. AMARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE - AGE mitra-1 rev. 3 in 3222 of crore of Sec.

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 ANS/ITP1 Quality Criteria, DSB-89 and BCSt Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenlon, NC 27932

Job Truss Truss Type Qty Ply 150103965 J0621-3569 MONOPITCH M2-S Job Reference (optional) Comtech, inc,

Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:20 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-ChwuJ7eehDpAeitig\_RugjKmW4rUbCfHBSbEa6znYGf

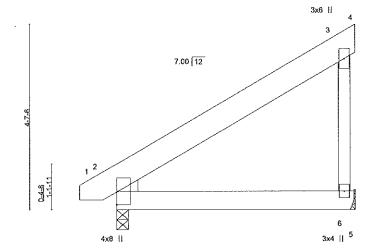
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

5-11-8 0-2-0

Scale = 1:27.5



	41 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		5-11-8	
LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	CSI. TC 0.12 BC 0.12	DEFL. in (loc) I/defl L/d Vert(LL) -0.01 2-6 >999 360 Vert(CT) -0.03 2-6 >999 240	PLATES GRIP MT20 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0,00 Matrix-P	Horz(CT) 0.00 6 n/a n/a Wind(LL) 0.00 2 **** 240	Weight: 45 lb FT = 20%

5-11-8

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

Max Horz 2=125(LC 12)

Max Uplift 6=-71(LC 12)

Max Grav 6=249(LC 19), 2=271(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) -0-7-1 to 3-9-12, Exterior(2) 3-9-12 to 6-0-0 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.
- 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) 6.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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Job Truss Truss Type Qty Ply 150103966 M2G J0621-3569 MONOPITCH 2 | **Z** | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:19 2022 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-kUNW6nd0wvgJ0YjV6Gwf7VoWBgMTsiP7yosg2gznYGg 0-11-0 0-11-0 12-0-12 0-5-4 5-9-8 5-9-8 Scale = 1:45.9 3x4 || 3 7.00 12 ORTH 036322 789 11 6 <sub>5</sub> 6x8 4x8 ||

LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(ioc)	I/defl	L/d	PLATES	GRIP
TCLL	20,0	Plate Grip DOL 1.15	TC 0.41	Vert(LL)	-0.14	2-6	>941	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.68	Vert(CT)	-0,30	2-6	>450	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)	0.12	2-6	>999	240	Weight: 201 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

11-7-8

LUMBER-

TOP CHORD 2x6 SP No.1 2x12 SP 2400F 2.0E BOT CHORD

2x4 SP No.2 WEBS

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

Max Horz 2=241(LC 8)

Max Uplift 6=-381(LC 8), 2=-204(LC 8)

Max Grav 6=3492(LC 2), 2=2646(LC 1)

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

TOP CHORD 3-6=-369/167

### 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 (8), 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) Concentrated loads from layout are not present in Load Case(s): #3 Dead + Uninhabitable Attic Without Storage; #4 Dead + 0.6 MWFRS Wind (Pos. Internal) Left; #5 Dead + 0.6 MWFRS Wind (Pos. Internal) Right; #6 Dead + 0.6 MWFRS Wind (Neg. Internal) Left; #7 Dead + 0.6 MWFRS Wind (Neg. Internal) Right; #8 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel; #9 Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel; #10 Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel; #11 Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel; #12 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel; #13 Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel; #18 Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left); #19 Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right); #20 Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel); #21 Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel).
- 5) 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 will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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) except (jt=lb) 6=381, 2=204,

February 7,2022

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

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

except end verticals.

Job	Truss	Truss Type	Qty	Ply	L
J0621-3569	M2G	MONOPITCH	2		150103966
30021-3309	MZG	MONOPHEA	2	2	Job Reference (optional)
	**************************************				10 0004 MT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Comtech, Inc.

Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:19 2022 Page 2 ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-kUNW6nd0wvgJ0YjV6Gwf7VoWBgMTsIP7yosg2gznYGg

### NOTES-

9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11,1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3036 lb down and 322 lb up at 6-2-4, 461 ib down at 7-1-12, and 461 lb down at 8-8-8, and 462 lb down at 10-8-8 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) 9=-111(B) 10=-111(B) 11=-112(B)



Job Qty Truss Truss Type 150103967 J0621-3569 МЗ MONOPITCH 5 Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:20 2022 Page 1
ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-ChwuJ7eehDpAeilig\_RugjKgx4kdbCfHBSbEa6znYGf Comtech, Inc. Favetteville, NC - 28314. 5-9-8 5-10-0 Scale = 1:43.5 3x4 || 2 3 7.00 12 1-1-11 8 5 4 4x8 || 4x4 || **PLATES** GRIP LOADING (psf) SPACING-2-0-0 CSI. DEFL. i/defi L/d (loc) **TCLL** Plate Grip DOL Vert(LL) 360 MT20 244/190 20.0 1,15 TC 0.47 -0.21 1-5 >628 TCDL вс Vert(CT) -0,38 >353 240 10.0 Lumber DOL 1.15 0.56 1-5 WB **BCLL** 0.0 Rep Stress Incr YES 0.00 Horz(CT) 0,00 n/a n/a Code IRC2015/TPI2014 Weight: 80 lb FT = 20%BCDL 10.0 Matrix-S Wind(LL) >999 240 LUMBER-**BRACING-**TOP CHORD 2x8 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x6 SP No.1 except end verticals. WEBS 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. WEDGE

Left: 2x4 SP No.2

REACTIONS. (size) 5=Mechanical, 1=0-3-8

Max Horz 1=238(LC 12)

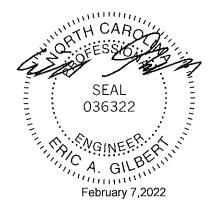
Max Uplift 5=-126(LC 12)

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

- 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) 0-2-4 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.
- \* 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 (|t=lb|
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 does not trist and induced by the connectors of the connectors of the connectors of the connectors of the connectors. This does not trist and properly incorporate this design in seased only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



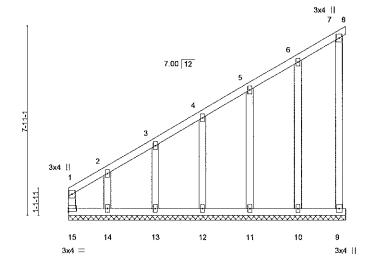
Job Truss Truss Type Qty Flv 150103968 J0621-3569 M4 MONOPITCH SUPPORTED Job Reference (optional) 8.430 s Aug 16 2021 MiTek industries, Inc. Mon Feb 7 11:20:21 2022 Page 1

Comtech, Inc,

Fayetteville, NC - 28314,

ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-glUHXTeGRWx1FrtuEhy7DwtvOUAqKeLQQ5Ln6YznYGe

Scale = 1:46.3



LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING-         2-0-0           Plate Grip DOL         1.15           Lumber DOL         1.15	CSI. TC 0.24 BC 0.18	DEFL. in (loc) l/defl L/d Vert(Li.) n/a - n/a 999 Vert(CT) n/a - n/a 999	PLATES GRIP MT20 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.10 Matrix-R	Horz(CT) -0.03 8 n/a n/a	Weight: 78 lb FT = 20%

LUMBER-

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

**OTHERS** 

WEBS 2x4 SP No.2 2x4 SP No.2 BRACING-TOP CHORD

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

except end verticals. **BOT CHORD** 

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

REACTIONS. All bearings 11-7-8.

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

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.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracking indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracking is always required for stability and to prevent ucliapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracking of trusses and truss systems, see ANSI/TP1 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 Type Qty Ply Truss 150103969 J0621-3569 М6 Roof Special Girder Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:22 2022 Page 1 Fayelteville, NC - 28314, Comtech, Inc. ID:32kAT1H?TWmBdJQ8l8CHLxz8j5Y-832fkpfuCq3ll?S4oPTMl8Q6luUr361ZeI4Lf\_znYGd 5-0-0 5-0-0 Scale = 1:14.2 3.50 12 9-5-8 6 5-5-8 GRIP DEFL. l/defl L/d PLATES LOADING (psf) SPACING-2-0-0 CSI. 244/190 Vert(LL) -0.02 >999 360 MT20 TCLL 20.Ó Plate Grip DOL 1.15 TC 0,10 вс 0.32 Verl(CT) -0.05 1-5 >999 240 TCDL 10.0 Lumber DOL 1.15 WB 0.01 Horz(CT) 0.00 n/a n/a **BCLL** 0,0 Rep Stress Incr NO FT = 20%Code IRC2015/TPI2014 Matrix-P Wind(LL) 0.02 1-5 >999 240 Weight: 54 lb BCDL 10.0 LUMBER-BRACING-Structural wood sheathing directly applied or 5-0-0 oc purlins. TOP CHORD 2x6 SP No.1 TOP CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD 2x6 SP No.1 BOT CHORD 2x4 SP No.2 WEBS

REACTIONS.

(size) 1=0-3-8, 4=0-5-8 Max Horz 1=59(LC 4)

Max Uplift 1=-41(LC 4), 4=-65(LC 4) Max Grav 1=525(LC 1), 4=615(LC 1)

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

### NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
- Webs connected as follows; 2x4 1 row at 0-9-0 oc.

  2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 378 lb down and 42 lb up at 2-0-12, and 380 lb down and 42 lb up at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

### LOAD CASE(S) Standard

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

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

Concentrated Loads (lb)

Vert: 6=-378(F) 7=-380(F)

SEAL 036322

SEAL 036322

A. GILBERT

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 fails 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 incl he overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, defivery, erection and bracing of trusses and truss systems, see ANSITP11 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	11.	
		i		1.3		150103970
J0621-3569	M7	MONOPITCH	5	1	1154	
Comtech, Inc, Fa	yetteville, NC - 28314,			0 420 a Avu	Job Reference (optional) g 16 2021 MiTek Industries, Inc. Mon	Fob. 7.11:20:22.2022. Page 1
Contech, Inc., ra	yetteville, NC - 20314,		ID:37kAT1H21	UROL BRaw	g 16 2021 Mit ek industries, inc. Mor 8CHLxz8j5Y-cGc1y9gXz8BkV91HL6	hli vHajavoZNitPauRRznYGc
	-0-10-8 0-10-8	1	6-0-0	THILDWA	oo, (Exzola i addityogxeebxto ii iso	_bityrigidyocojii dabrittiri oo
	0-10-8		5-0-0			
						Scale = 1:14.0
					3 3x4_H	34
					3x4 H	
		3,50 1	2	5		
				· · · · · · · · · · · · · · · · · · ·		
						1-9-1
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2-2-15						1.2-2-15
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0-9-14						1 1
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					3x4	
		3x4 =				

Plate Offs	sets (X,Y)	[4:Edge,0-2-0]									- A-partition	
LOADING TCLL TCDL	G (psf) 20.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.12 0,20	DEFL. Vert(LL) Vert(CT)	in -0.01 -0.01	(loc) 2-4 2-4	l/defl >999 >999	L/d 360 240	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2015/TF		WB Matri	0.00 x-P	Horz(CT) Wind(LL)	0.00 0.00	4 2	n/a ****	n/a 240	Weight: 28 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

Jo

TOP CHORD 2x6 SP No.1

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

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

Max Horz 2=55(LC 12) Max Uplift 2=-50(LC 8), 4=-28(LC 12)

Max Grav 2=256(LC 1), 4=179(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) -0-10-8 to 3-6-5, interior(1) 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) 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.
  7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

except end verticals.



ob	Truss	Truss Type	Qty	Ply		
0621-3569	M8	MONOPITCH	1		1	150103971
		, merrer region	, i		Job Reference (optional)	
Comtech, Inc,	Fayetteville, NC - 28314, -0-10-8 0-10-8		ID:3ZkAT1H?T 5-0-0 5-0-0	8.430 s Au WmBdJQ8	ug 16 2021 MiTek Industries, Inc. Mon Fel BIBCHLxz8j5Y-cGc1y9gXz8BkV91HL6_blL	> 7 11:20:23 2022 Page 1 yFXto0oZOjtPquBRznYGc
					3	Scale = 1:14.0
			3.50 12	5	3x4	
2						7-9-7
2.2.15						2-2-15
c				- Ab - 00 - 0000 P		0.5.8
		3x4 =			4 3×4 H	

Plate Offsets (X,Y) [4	4:Edge,0-2-0]						LINGIA		
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 0.19 BC 0.32 WB 0.00 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0,01 -0,01 -0,00 0.00	(loc) 2-4 2-4 4 2	l/defl >999 >999 n/a	L/d 360 240 n/a 240	PLATES MT20 Weight: 28 lb	<b>GRIP</b> 244/190  FT = 20%

**BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.1

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

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

Max Horz 2=55(LC 12) Max Uplift 2=-50(LC 8), 4=-28(LC 12)

Max Grav 2=256(LC 1), 4=179(LC 1)

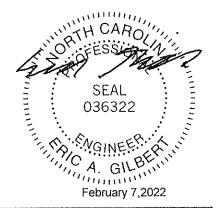
FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15fl; 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) 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.

  7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

except end verticals.



Edenton, NC 27932

Qty Ply Job Truss Truss Type 150103972 J0621-3569 М9 GABLE Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314,

8.430 s Aug 16 2021 MTek Industries, Inc. Mon Feb 7 11:20:24 2022 Page 1 ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-4SAP9Vh9kRJb6JcTvqWqqZVSRhDPX0Gs63ZRjtznYGb

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

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

except end verticals.

0-11-0 3-5-8

Scale = 1;18.8

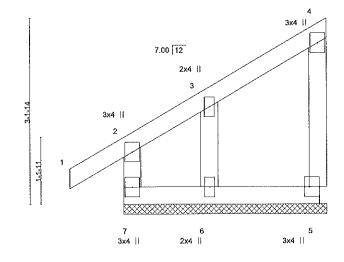


Plate Offsets (X,Y)	[5:Edge,0-2-0]		,								
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TPI2	2-0-0 1.15 1.15 YES	CSI. TC BC WB Matrix	0.12 0.06 0.02	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.00 -0.00	(loc) 1 1 5	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20 Weight: 20 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2x4 SP No.2 WEBS

OTHERS 2x4 SP No.2

REACTIONS. (size) 5=3-5-8, 7=3-5-8, 6=3-5-8

Max Horz 7=76(LC 12)

Max Uplift 5=-14(LC 12), 6=-85(LC 12)

Max Grav 5=69(LC 19), 7=130(LC 1), 6=150(LC 19)

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

- 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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) 5, 6.
- 9) This truss is designed in accordance with the 2015 international Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 fev. 5/19/2020 BEFORE USE. Design valid for use only with MiTeke 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 lhis design into the overall building designer must verify the applicability of design parameters and properly incorporate lhis design into the overall building designer must verify the applicability of design parameters and properly incorporate lhis design into the overall building designer must verify the applicability of design parameters and properly incorporate lhis design into the overall building designer must verify the applicability of design parameters and properly design. Properly incorporate lhis design into the overall building designer must be overall truss with a truss of the company and permanent bracing in the applicability of the applicability and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPIS 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	1 = 1 40 0	
				j		150103973
J0621-3569	M10	MONOPITCH	9	1		
					Job Reference (optional)	
Comtech Inc. Eavettey	ille NC - 28314		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:17 2022	Page 1

ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-n6Fmh5bmOlQbnEZ7?rtB24jFqtq1OrvqVUNaznznYGi

3x4 || 4 Scale = 1:18.8 7,00 12 4x4 / 3x4 ||

Plate Offsets (X,Y)	[5:Edge,0-2-0]							
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 0.08 BC 0.04 WB 0.00 Matrix-P	\ '	in (loc) -0.00 2-5 -0.00 2-5 0.00 0.00 2	1/defl >999 >999 n/a	L/d 360 240 n/a 240	PLATES MT20 Weight: 26 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1

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

2x4 SP No.2 WEBS

SLIDER Left 2x4 SP No.2 1-10-10

REACTIONS. (size) 2=0-3-8, 5=0-1-8

Max Horz 2=79(LC 12)

Max Uplift 5=-46(LC 12)

Max Grav 2=184(LC 1), 5=140(LC 19)

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) 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) 5 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) 5.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

except end verticals.

WARNING - Verily 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 MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of Inusses and truss systems, see ANS/ITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Qty Job Truss Truss Type PΙγ 150103974 J0621-3569 P1 GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:25 2022 Page 1 Comtech, Inc. Fayetleville, NC - 28314, ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-YeknNginVIRSkTAfTX13Nm2eo5ZLGTc0LjJ?GJznYGa 11-6-8 10-8-0 -0-10-8 5-4-0 5-4-0 0-10-8 Scale = 1:26.7 5x5 == 7.00 12 2x4 || 6 2x4 || 4x8 / 7 4x8 < 9 12 11 10 13 3x6 || 3x6 | 2x4 II 2x4 || 2x4 II 2x4 || 2x4 | 10-8-0 [8:Edge,0-4-5] Plate Offsets (X,Y)--**PLATES** GRIP SPACING-CSI. DEFL. in (loc) l/defl L/d LOADING (psf) 2-0-0 120 MT20 244/190 Plate Grip DOL TC 0.02 Vert(LL) -0.00 n/r 1.15 TCLL 20.0 1.15 BC 0,01 Vert(CT) -0.00 n/r 120 TCOL 10.0 Lumber DOL WB 0.02 Horz(CT) 0.00 n/a n/a YES BCLL 0.0 Rep Stress Inci Weight: 78 lb FT = 20% Code IRC2015/TPI2014 Matrix-S BCDL 10.0 **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

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

2x4 SP No.2 OTHERS

SLIDER Left 2x4 SP No.2 1-5-4, Right 2x4 SP No.2 1-5-4

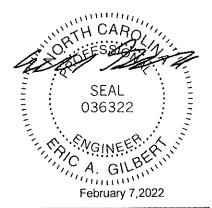
REACTIONS. All bearings 10-8-0. Max Horz 2=-89(LC 8) (lb) -

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

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

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vuit=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.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Dosign valid for use only with MITok® 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly this interporate this design into the overall building designer must verify the applicability of the parameters and properly design. For general guildance regarding the flabrication, storage, delivery, crection and bracting of trusses and truss systems, see ANSITPHI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Qty Ply Truss Type Job Truss 150103975 J0621-3569 P2 Common Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:26 2022 Page 1
ID:3ZkAT1H?TWmBdJQ8IBCHLxz8j5Y-0rJAaAiPG3ZJMdlr1EYlw\_aoRVuB?wl9ZN2YomznYGZ Fayetteville, NC - 28314, Comtech. Inc. 11-6-8 0-10-8 10-8-0 0-10-8 5-4-0 5-4-0 Scale = 1:25.4 5x5 = 7.00 12 4x4 <> 4x4 / 4x4 < 12 8 2x4 || 3x6 || 3x6 || 10-8-0 5-4-0 5-4-0 **PLATES GRIP** DEFL (loc) l/defl L/d LOADING (psf) SPACING-2-0-0 CSI 244/190 -0.00 MT20 0.09 Vert(LL) 6-8 >999 360 20.0 Plate Grip DOL 1.15 TCLL -0.01 >999 240 BC 0.10 Verl(CT) 6-8 Lumber DOL 1.15 TCDL 10.0 n/a WB 0.05 Horz(CT) 0.00 6 n/a Rep Stress Incr YES 0.0 BCLL FT = 20% 2-8 >999 240 Weight: 74 lb Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.00 10,0 BCDL BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2x4 SP No.2 WEBS

Left 2x4 SP No.2 3-0-13, Right 2x4 SP No.2 3-0-13 SLIDER

REACTIONS.

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

Max Horz 2=-89(LC 8) Max Uplift 2=-35(LC 12), 6=-35(LC 13)

Max Grav 2=479(LC 1), 6=479(LC 1)

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

TOP CHORD 2-4=-504/147, 4-6=-504/147

BOT CHORD 2-8=-17/333, 6-8=-17/333

### 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. il; 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 ib uplift at joint(s) 2, 6.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

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

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 slability and to prevent collapse with possible personal injury and properly damage. For general guildance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSt Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Qty Ply Truss Type Job Truss 150103976 4 ΡВ PIGGYBACK J0621-3569 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:27 2022 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:3ZkAT1H?TWmBdJQ8l8CHLxz8j5Y-V1rYnWj11MhAzmK2ay3XSB7yxvEVkN1Jo1o6KCznYGY 8-9-15 8-9-15 Scale = 1:17.6 4x4 =3 7.00 12 0.4-5 0.45 1-1-1 0-1-10 6 3x4 = 2x4 || 3x4 == 8-9-15 GRIP **PLATES** DEFL. (loc) I/defi 1.ldLOADING (psf) SPACING-2-0-0 CSI. 244/190 0.17 Vert(LL) 0.01 nlc 120 MT20 Plate Grip DOL 1.15 TC TCLL 20.0 120 BC 0.09 Vert(CT) 0.01 5 D/r Lumber DOL 1.15 TODE 10.0 WB 0.02 Horz(CT) 0.00 n/a n/a Rep Stress Incr YES BCLL 0.0 FT = 20% Weight: 28 lb Matrix-P Code IRC2015/TPI2014 BCDL 10.0 **BRACING-**LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD Rigid ceiling directly applied or 10-0-0 oc bracing

BOT CHORD

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

REACTIONS. (size) 2=7-1-10, 4=7-1-10, 6=7-1-10

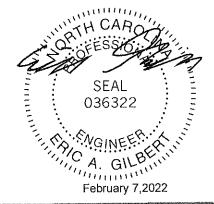
Max Horz 2=58(LC 11)

Max Uplift 2=-33(LC 12), 4=-39(LC 13)

Max Grav 2=186(LC 1), 4=186(LC 1), 6=266(LC 1)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vull=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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. WARNING - Venty design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MITTAT Rev. STIBLUDE DREICH ONE. USE. Design valid for use only with MITER® 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 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 ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Qty Truss Type Job Truss 150103977 J0621-3569 PBE GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Feb 7 11:20:27 2022 Page 1 Fayetteville, NC - 28314, Comtech Inc. ID:3ZkAT1H?TWmBdJQ8I8CHLxz8j5Y-V1rYnWj11MhAzmK2ay3XSB7yxvFekN1Jo1o6KCznYGY 8-9-15 8-9-15 Scale = 1:17.6 4x4 = 3 7.00 12 2x4 || 0-4-5 9-1-10 01-1-10 0-1-10 2x4 || 2x4 | 3x4 = 3x4 == 2x4 || 8-9-15 **PLATES** GRIP LOADING (psf) DEFL (loc) I/defl L/dSPACING-2-0-0 MT20 244/190 TC 0.17 Vert(LL) 0.01 5 n/r 120 Plate Grip DOL 1.15 TCLL 20.0 120 BC 0.02 Vert(CT) 0.01 n/r **TCDL** Lumber DOL 1.15 10.0 WB 0.02 Horz(CT) 0,00 n/a n/a BCLL 0.0 Rep Stress Incr YES FT = 20% Weight: 31 lb Code IRC2015/TPI2014 Matrix-P BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD TOP CHORD 2x4 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD

TOP CHORD 2x4 SP No.1 8OT CHORD 2x4 SP No.1 WEBS 2x4 SP No.2 OTHERS 2x4 SP No.2

REACTIONS. All bearings 7-1-10.

(lb) - Max Horz 2=72(LC 11)

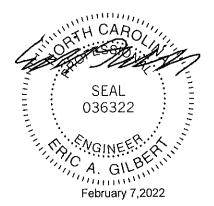
Max Uplift All uplift 100 lb or less at joint(s) 2, 4, 7

Max Grav All reactions 250 lb or less at joint(s) 2, 4, 7, 8, 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 30,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 7.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

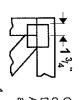
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design incl design in the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, slorage, delivery, erection and bracing of trusses and truss systems, see ANSITTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



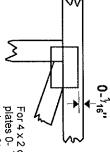
818 Soundside Road

## 

# PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths.
Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- <sup>1</sup>/16" from outside edge of truss.

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בטקב טו נותפי

This symbol indicates the required direction of slots in connector plates.

 Plate location details available in MiTek 20/20 software or upon request.

### PLATE SIZE

4 × 4

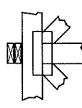
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

### BEARING



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

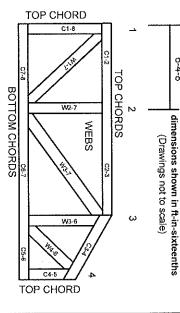
## Industry Standards:

ANS/TP11: National Design Specification for Metal
Plate Connected Wood Truss Construction.

DSB-89: BCSI:

Design Standard for Bracing.
Building Component Safety Information,
Guide to Good Practice for Handling,
Installing & Bracing of Metal Plate
Connected Wood Trusses.

# Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

# **General Safety Notes**

# Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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4.

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.

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- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.

.7

- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- 18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.