

**Trenco** 818 Soundside Rd Edenton, NC 27932

Re: 34111-34111A

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I54618043 thru I54618088

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

North Carolina COA: C-0844



October 11,2022

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.

····· ONSITE- ROOF Qty Ply Truss Truss Type Job 154618043 GABLE 34111-34111A A1E | Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:22 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-N8rGhnEjBBH3XFgvpauDwosftSY6E7fe2TotMSyVmkN 20-1-0 16-3-4 10-0-8 2-11-8 3-3-4 3-9-12 Scale = 1:59,2 5x6 = 5 16 12.00 12 8-2-4 4x6 📏 4x6 10 12-0-0 12 13 8x12 = 8x12 = 20-1-0 3-9-12 10-0-8 3-9-12 6-2-12 6-2-12 3-9-12[5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [12:0-4-12,Edge], [13:0-4-12,Edge] Plate Offsets (X,Y)--**PLATES** GRIP (loc) l/defl L/d DEFL. ín SPACING-LOADING (psf) MT20 197/144 -0.22 12-13 >999 240 Vert(LL) 1.15 TC 0.55 Plate Grip DOL TCLE 20.0 -0.31 12-13 >765 180 1.15 BC 0.64 Vert(CT) Lumber DOL 10.0 TCDL 0.00 n/a 11 n/a WP 0.31 Horz(CT) Rep Stress incr YES BCLL 0.0 -0.18 12-13 808 360 Weight: 206 lb FT = 20% Code IRC2015/TPI2014 Matrix-MS Attic BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD TOP CHORD 2x6 SP No.2 \*Except\* except end verticals. 5-6: 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 6-0-0 oc bracing. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* **BOT CHORD** 4-7 **WEBS** 1 Row at midpt 12-13; 2x10 SP DSS ORTH CARO WEBS 2x4 SP No.3 \*Except\* 3-13,8-12: 2x6 SP No.2, 4-7: 2x4 SP No.2 or 2x4 SPF No.2 OTHERS REACTIONS. (size) 14=0-5-8, 11=0-5-8 Community of the second Max Horz 14=268(LC 9) Max Grav 14=1301(LC 2), 11=1301(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-981/41, 3-4=-692/138, 4-5=-373/205, 5-6=-201/256, 6-7=-373/205, 7-8=-692/138, 036322 TOP CHORD 8-9=-981/41, 2-14=-1305/0, 9-11=-1305/0 13-14=-268/266, 12-13=-0/664 **BOT CHORD** 3-13=-113/414, 8-12=-113/414, 2-13=-12/823, 9-12=-13/823, 4-15=-800/129, WEBS 15-16=-791/133, 7-16=-800/129 NOTES-

Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

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

Provide adequate drainage to prevent water ponding.

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

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 20,0psf 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) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 7-16; Wall dead load (5.0psf) on member(s).3-13, 8-12 (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13

11) Attic room checked for L/360 deflection.

October 11,2022





818 Soundside Road Edenton, NC 27932

ONSITE-ROOF Qty Plv Truss Truss Type Job 154618044 ROOF TRUSS 34111-34111A A2 Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:24 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), 10-0-8 2-11-8 3-3-4 3-9-12 Scale = 1:59.2 5x6 = 5x6 == 5 6 15 12.00 12 8 4x6 \ 4x6 4 5-11-10 10 12-0-0 12 13 8x12 == 8x12 == 16-3-4 20-1-0 3-9-12 3-9-12 10-0-8 6-2-12 3-9-12 [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [12:0-4-12,Edge], [13:0-4-12,Edge] Plate Offsets (X,Y)--GRIP L/d **PLATES** DEFL in (loc) I/defl SPACING-2-0-0 LOADING (psf) 197/144 -0.22 12-13 MT20 >999 240 1.15 TC 0.55 Vert(LL) 20.Ó Plate Grip DOL TCLL -0.31 12-13 >765 180 1.15 ВÇ 0.64 Vert(CT) Lumber DOL TCDL 10.0 n/a 0.00 n/a WB 0.31 Horz(CT) 11 Rep Stress Incr YES BCLL 0.0 -0.18 12-13 808 360 Weight: 188 lb FT = 20%Code IRC2015/TPI2014 Matrix-MS Attic BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD TOP CHORD 2x6 SP No.2 \*Except\* except end verticals. 5-6: 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 6-0-0 oc bracing. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* BOT CHORD WEBS 1 Row at midpt 4-7 12-13: 2x10 SP DSS 2x4 SP No.3 \*Except\* WEBS JORTH 3-13,8-12: 2x6 SP No.2, 4-7: 2x4 SP No.2 or 2x4 SPF No.2 (size) 14=0-5-8, 11=0-5-8 REACTIONS. Max Horz 14=268(LC 9) Max Grav 14=1301(LC 2), 11=1301(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-981/41, 3-4=-692/138, 4-5=-373/205, 5-6=-201/256, 6-7=-373/205, 7-8=-692/138, 8-9=-981/41, 2-14=-1305/0, 9-11=-1305/0 13-14=-268/266, 12-13=-0/664 BOT CHORD 3-13=-113/414, 8-12=-113/414, 2-13=-12/823, 9-12=-13/823, 4-15=-800/129, WE8S 15-16=-791/133, 7-16=-800/129 A. GIV NOTESminim 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Provide adequate drainage to prevent water ponding.
 All plates are 2x4 MT20 unless otherwise indicated.

- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 7-16; Wall dead load (5.0psf) on member(s).3-13, 8-12
- 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
- 9) Attic room checked for L/360 deflection.



3 ONSITE- ROOF Qty Truss Type Ply Job Truss 154618045 6 ROOF TRUSS 34111-34111A АЗ Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:25 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-ojWOKoGcT6geOiOTUiRwYQUA3gaYRTN4kR1XznyVmkK 3-9-12 3-3-4 3-9-12 Scale = 1:59.2 5x6 = 5x6 = 5 12.00 12 4x6 📏 4x6 / 12-0-0 11 12 8x12 == 8x12 = 16-3-4 3-9-12 10-0-8 6-2-12 3-9-12 Plate Offsets (X,Y)-- [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [11:0-4-12,Edge], [12:0-4-12,Edge] Lld **PLATES** GRIP 2-0-0 DEFL. in (loc) I/defi SPACING-LOADING (psf) 197/144 MT20 -0.22 11-12 >999 240 TC 0.56 Vert(LL) Plate Grip DOL 1.15 20.0 TCLL. -0.31 11-12 >764 180 вС 0.66 Vert(CT) Lumber DOL 1.15 TCDL 10.0 n/a WB 0.31 Horz(CT) በ በበ 10 n/a YES BCLL. 0.0 Rep Stress Incr Weight: 185 lb FT = 20% -0.18 11-12 808 360 Code IRC2015/TPI2014 Matrix-MS Attic RODI 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD TOP CHORD 2x6 SP No.2 \*Except\* except end verticals. 5-6; 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 6-0-0 oc bracing. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* BOT CHORD 1 Row at midpt 4-7 WEBS 11-12: 2x10 SP DSS ORTH CARO 2x4 SP No.3 \*Except\* WEBS 3-12,8-11: 2x6 SP No.2, 4-7: 2x4 SP No.2 or 2x4 SPF No.2 A. GIL REACTIONS. (size) 13=0-5-8, 10=0-5-8 Max Horz 13=260(LC 7) Max Grav 13=1303(LC 2), 10=1240(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-984/33, 3-4=-694/131, 4-5=-371/204, 5-6=-199/258, 6-7=-371/207, 7-8=-694/135, TOP CHORD 8-9=-979/20, 2-13=-1307/0, 9-10=-1252/0 BOT CHORD 12-13=-260/249, 11-12=-8/655 3-12=-113/415, 8-11=-118/412, 2-12=-9/825, 9-11=-21/811, 4-14=-804/117, WEBS 14-15=-794/122, 7-15=-803/119 NOTES-1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDt.=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) All plates are 2x4 MT20 unless otherwise indicated.

- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-14, 14-15, 7-15; Wall dead load (5.0 psf) on member(s).3-12, 8-11
- 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
- 9) Attic room checked for L/360 deflection.



ONSITE- ROOF Qty Ply Truss Type Job Truss 154618046 ROOF TRUSS A3G 34111-34111A 2 Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:27 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-k6e9lUls?kwMd0Ysc7UOdrZUDTE\_vNtNCkWe1fyVmkl 20-1-0 16-3-4 7-1-0 10-0-8 13-0-0 2-11-8 Scale = 1:59.2 5x6 = 5x6 = 5 15 12,00 12 4x6 N 8.24 12-0-0 11 12 8x12 = 8x12 = 20-1-0 10-0-8 16-3-4 3-9-12 3-9-12 [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [11:0-4-12,Edge], [12:0-4-12,Edge] Plate Offsets (X,Y)--**PLATES** GRIP DEFL. in (loc) I/defl 1 /d SPACING-4-0-0 LOADING (psf) 197/144 MT20 -0.22 11-12 240 Vert(LL) >999 Plate Grip DOL TC 0.64 1.15 TCLL 20.0 180 0.73 Vert(CT) -0.31 11-12 >764 ВС 1.15 TCDL 10.0 Lumber DOL 0.31 Horz(CT) 0.00 10 n/a n/a W8 BCLL 0.0 Rep Stress Incr NO Weight: 370 lb FT = 20% -0.18 11-12 360 Matrix-MS Attic 808 Code IRC2015/TPI2014 BCDL 10,0 BRACING-LUMBER-2-0-0 oc purlins (6-0-0 max.), except end verticals TOP CHORD 2x6 SP No.2 \*Except\* TOP CHORD (Switched from sheeted: Spacing > 2-8-0). 5-6: 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 6-0-0 oc bracing. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* **BOT CHORD** 1 Brace at Jt(s): 5, 6, 2, 9, 14, 15 JOINTS 11-12: 2x10 SP DSS 2x4 SP No.3 \*Except\* WEBS 3-12,8-11: 2x6 SP No.2, 4-7: 2x4 SP No.2 or 2x4 SPF No.2 MORTH REACTIONS. (size) 13=0-5-8, 10=0-5-8 Max Horz 13=519(LC 7) Max Grav 13=2606(LC 2), 10=2480(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown 2-3=-1968/66, 3-4=-1389/261, 4-5=-742/407, 5-6=-399/515, 6-7=-743/414, TOP CHORD 7-8=-1387/270, 8-9=-1959/40, 2-13=-2614/0, 9-10=-2503/0 036322 12-13=-520/498, 11-12=-17/1310 BOT CHORD 3-12=-226/829, 8-11=-237/823, 2-12=-17/1651, 9-11=-42/1621, 4-14=-1607/234, WEBS 14-15=-1588/244, 7-15=-1607/239, 5-14=-150/363, 6-15=-159/358

NOTES:

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

5) Provide adequate drainage to prevent water ponding.

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

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

8) \* This truss has been designed for a live load of 20.0psf 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) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-14, 14-15, 7-15; Wall dead load (5.0 psf) on member(s).3-12, 8-11

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room, 11-12

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

12) Attic room checked for L/360 deflection.



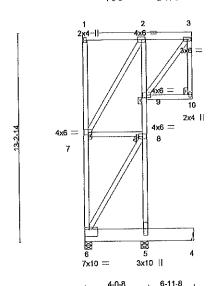
ONSITE- ROOF Qty Ply Job Truss Truss Type 154618047 ROOF TRUSS 34111-34111A A4 Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:28 2022 Page 1

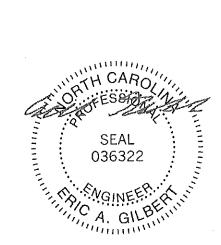
84 Components (Dunn),

Dunn, NC - 28334,

ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-ClCXyqJUm12DFA729r?dA36jTtlxenwWQOF8Z5yVmkH

4-0-8 6-11-8 2-11-0 4-0-8





Scale = 1:70.3

Plate Offsets (X,Y)	[6:Edge,0-5-8]					<del></del>			T	
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/TF	2-0-0 1.15 1.15 NO PI2014	CSI. TC 0.42 BC 0.04 WB 0.45 Matrix-MP	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0,00 -00,0- 00.0	(loc) 5 5 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 121 lb	GRIP 197/144 FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2

BOT CHORD 2x10 SP No.2

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

7-8,3-10,3-9: 2x4 SP No.3

BRACING-TOP CHORD

Structural wood sheathing directly applied or 4-0-8 oc purlins,

except end verticals. Except:

6-0-0 oc bracing: 5-8, 8-9

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

WEBS **JOINTS** 

1 Row at midpt 1-6 1 Brace at Jt(s): 8, 9, 10

REACTIONS.

(size) 6=0-5-8, 5=0-5-8, 4=Mechanical

Max Horz 6=-358(LC 8)

Max Uplift 6=-554(LC 8), 5=-506(LC 7)

Max Grav 6=494(LC 7), 5=882(LC 18), 4=136(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 5-8=-658/589, 8-9=-402/337, 2-9=-334/325

TOP CHORD WEBS

7-8=-344/362, 6-8=-511/556

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 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 20,0psf 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 554 lb uplift at joint 6 and 506 lb uplift at joint 5.
- 7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 8) Attic room checked for L/360 deflection.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
  - Vert: 1-2=-60, 2-3=-60, 5-6=-20, 4-5=-50, 9-10=-10(F)
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber increase=1.15, Plate increase=1.15 Uniform Loads (pif)

Vert: 1-2=-50, 2-3=-50, 5-6=-20, 4-5=-109, 9-10=-10(F)

October 11,2022

Continued on page 2

MARNING - Verify dissign parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 fev. 5/19/2020 BEFORE USE. PARRIES - Verify design parameters and READ NOTES ON THIS AND INCCUDED MILEX REFERENCE PAGE MILEATA RM. SHOULD BE FORE 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 a truss system. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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 lojlury and property dange. 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			ONSITE- ROOF	15.404.5
		DOOF TOURS	1	ļ	1			154618
34111-34111A	A4	ROOF TRUSS	'		1	Job Reference (optional)		
84 Components (Dunn)	), Dunn, NC - 2833		ID:4C_?jOk7f8e	8,620 s o4Te8?O	s Aı Xgv	ug 22 2022 MiTek Industries BybTPY-CICXyqJUm12DF/	i, Inc. Fri Oct 7 14:5 \729r?dA36jTtlxenw	56:28 2022 Page 2 WQOFBZ5yVmkH
LOAD CASE(S) Star	ndard							
<ol> <li>Dead + Uninhabital Uniform Loads (pif)</li> </ol>	ble Attic Without Storag	e: Lumber Increase=1.25, Plate Increase=	:1,25					
Vert: 1-2=-	20, 2-3=-20, 5-6=-40, 4	l-5≕-70, 9-10=-10(F)	-4.00					
		1: Lumber Increase=1.60, Plate Increase	- UO. I					
Uniform Loads (plf)	ı 40, 2-3=40, 5-6≕-12, 4-	5- 30 9 10- 10/E)						
	40, 2-3-40, 3-012, 4* -34, 5-9=34	D=-30, 8-1010(1 )						
5) Dead + 0.6 C-C Wi	nd (Neg. Internal) Case	e 1: Lumber Increase=1.60, Plate Increase	=1.60					
Uniform Loads (plf)		,						
	-33, 2-3=-33, 5-6=-20, 4	1-5=-38, 9-10=-10(F)						
Horz: 1-6=	31, 5-9=-31							
6) Dead + 0.6 MWFR	S Wind (Pos. Internal)	Left: Lumber Increase=1.60, Plate Increas	e=1.60					
Uniform Loads (pif)		5 55 6 40 40ED						
	21, 2-3=21, 5-6=-12, 4-	5=-30, 9-10=-10(F)						
H0[Z] 1-6=	:13, 5-9=17 C Mind (Dec. Internal)	Right: Lumber increase=1.60, Plate increa	se=1 60					
Uniform Loads (plf		Right. Euthor filerago-1.00, hate merea						
	) 21, 2-3=21, 5-6≔-12, 4-	5=-30. 9-10=-10(F)						
	=-17, 5-9=-13	5 55, 5 15 15 (7)						
8) Dead + 0.6 MWFR	S Wind (Neg. Internal)	Left: Lumber Increase=1.60, Plate Increas	e=1.60					
Uniform Loads (plf								
Vert: 1-2=	3, 2-3=3, 5-6=-20, 4-5=	-38, 9-10=-10(F)						
Horz: 1-6=	=23, 5-9=8		400					
		Right: Lumber Increase=1.60, Plate Increa	ase=1.60					
Uniform Loads (plf		no o to to/m						
	3, 2-3=3, 5-6=-20, 4-5=	-38, 9-10=-10(F)						
HOIZ: 1-0-	=-8, 5-9≃-23 DC Mind (Doc. Internal	) 1st Parallel: Lumber Increase=1.60, Plate	e Increase=1.60					
Uniform Loads (p		1 13( ) GIGHOL CAMPON MONDAGO 1100 ( ) MAN						
	:=21, 2-3=21, 5-6=-12,	4-5=-30, 9-10=-10(F)						
Horz: 1-6	6=11, 5-9=16							
11) Dead + 0.6 MWF	RS Wind (Pos. Internal	) 2nd Parailel: Lumber Increase=1.60, Pla	te Increase=1.60					
Uniform Loads (p	N)							
	?=21, 2-3=21, 5-6=-12,	4-5=-30, 9-10=-10(F)						
Horz: 1-	6=-16, 5-9=-11		- Increased 60					
		) 3rd Parallel: Lumber Increase=1.60, Plat	e increase=1.60					
Uniform Loads (p		4 5 30, 0-1010(E)						
	?=21, 2-3=21, 5-6=-12, 6=11, 5-9=16	4-556, 5-1010(1)						
13) Dead + 0.6 M/MF	u≕ii, 5-5-10 :RS Mind (Pos Interna	) 4th Parallel: Lumber Increase=1.60, Plat	e Increase=1.60					
Uniform Loads (p		y, -, -, -, -, -, -, -, -, -, -, -, -,						
Vert: 1-2	?=21, 2-3=21, 5-6=-12,	4-5=-30, 9-10=-10(F)						
Horz: 1-	6=-16 5-9=-11							
14) Dead + 0.6 MWF	RS Wind (Neg. Interna	l) 1st Parallel: Lumber Increase=1.60, Plat	le Increase=1.60					
Uniform Loads (r								

Vert: 1-2=3, 2-3=3, 5-6=-20, 4-5=-38, 9-10=-10(F)

Horz: 1-6=21, 5-9=7

15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=3, 2-3=3, 5-6=-20, 4-5=-38, 9-10=-10(F)

Horz: 1-6=-7, 5-9=-21

16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (pif)

Vert: 1-2=-20, 2-3=-20, 4-6=-20, 9-10=-10(F)

17) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-2=-20, 2-3=-20, 5-6=-20, 4-5=-50, 9-10=-10(F)

18) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert; 1-2=-32, 2-3=-32, 5-6=-20, 4-5=-99, 9-10=-10(F)

Horz: 1-6=17, 5-9=6

19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right); Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-32, 2-3=-32, 5-6=-20, 4-5=-99, 9-10=-10(F) Horz: 1-6=-6, 5-9=-17

20) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-32, 2-3=-32, 5-6=-20, 4-5=-99, 9-10=-10(F)

Horz: 1-6=16, 5-9=5

21) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel); Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

WARNING: Venty design systematers and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE (MI-7473 NV. 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 guidence 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



154618047

818 Soundside Road Edenton, NC 27932

Jop	Truss	Truss Type	Qty	Ply	1	1 ONSITE- ROOF   154618047
34111-34111A	A4	ROOF TRUSS	1	1	Job Reference (optional)	744500000000000000000000000000000000000

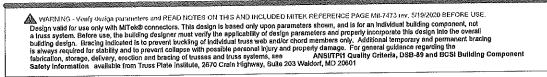
84 Components (Dunn),

Dunn, NC - 28334,

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:28 2022 Page 3 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-CICXyqJUm12DFA729r?dA36jTtlxenwWQOFBZ5yVmkH

LOAD CASE(S) Standard

Uniform Loads (pif)
Vert; 1-2=-32, 2-3=-32, 5-6=-20, 4-5=-99, 9-10=-10(F)
Horz: 1-6=-5, 5-9=-16





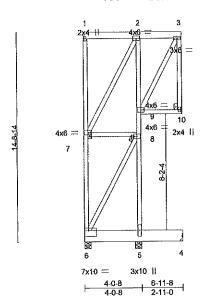
DNSITE- ROOF Truss Type Qly Ply Job Truss 154618048 ROOF TRUSS **A**5 34111-34111A Job Reference (optional)

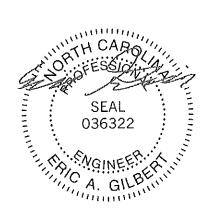
84 Components (Dunn),

Dunn, NC - 28334,

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:29 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-gVmvAAJ6XLA4tJiFjYWsjGenqH5ANCTgf2?l6YyVmkG

4-0-8 4-0-8 6-11-8 2-11-0





Scale = 1:78.0

Plate Offsets (X,Y)	[6:Edge,0-4-12]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCi.L 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.89 BC 0.04 WB 0.62 Matrix-MP	DEFL. in (loc) I/defl L/d PLATES GRIP Vert(LL) -0.00 5 >999 240 MT20 197/144  Vert(CT) -0.00 5 >999 180 Horz(CT) 0.00 5 n/a n/a  Weight: 131 lb FT = 20%

LUMBER-

2x6 SP No.2 TOP CHORD

BOT CHORD 2x10 SP No.2

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

7-8,3-10,3-9: 2x4 SP No.3

BRACING-TOP CHORD

JOINTS

Structural wood sheathing directly applied or 4-0-8 oc purlins,

except end verticals. Except:

6-0-0 oc bracing: 5-8, 8-9

Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD 1-6

1 Row at midpt WEBS 1 Brace at Jt(s): 8, 10

REACTIONS.

(size) 6=0-5-8, 5=0-5-8, 4=Mechanical

Max Horz 6=-393(LC 8)

Max Uplift 6=-676(LC 8), 5=-599(LC 7)

Max Grav 6=587(LC 7), 5=974(LC 18), 4=136(LC 2)

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

5-8=-750/753, 8-9=-409/386, 2-9=-336/360 TOP CHORD

7-8=-393/416, 6-8=-591/659 WEBS

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cal. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 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 20.0psf 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 676 lb uplift at joint 6 and 599 lb uplift at
- 7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 8) Attic room checked for L/360 deflection.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-2=-60, 2-3=-60, 5-6=-20, 4-5=-50, 9-10=-10(F)

2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert; 1-2=-50, 2-3=-50, 5-6=-20, 4-5=-109, 9-10=-10(F)

October 11,2022

Continued on page 2

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 (ev. 5/19/2020 BEFORE USE, PARTICIPIES - VERTY DESIGN PARTIMETERS AND REAL INCITES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-747 Jev. S/19/702 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 parameter bracing is always required for stability and to prevent collapse with possible personal injury and property amage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



818 Soundside Road

	T	Tauna Tyma	Qty	Ply		ONSITE-	ROOF
Job	Truss	Truss Type		l'ally		Onorth	1546180
34111-34111A	A5	ROOF TRUSS	1		1 Job R	teference (optional)	
84 Components (Dunn),	Dunn, NC - 28334,		ID:4C_?jOk7	8,620 18eo4Te8	0 s Aug 22 : ?OXgvByb	2022 MiTek Industries, Inc. Fri Oct TPY-gVmvAAJ6XLA4tJiFjYWsjGer	7 14:56:29 2022 Page 2 nqH5ANCTgf2?i6YyVmkG
LOAD CASE(S) Standar		Landa and And Dista forman					
<ol> <li>Dead + Uninhabitable A Uniform Loads (plf)</li> </ol>	Attic Without Storage: Li	umber Increase=1.25, Plate Increas	se=1.25				
Vert: 1-2=-20,	2-3=-20, 5-6=-40, 4-5=-	70, 9-10=-10(F)	100				
Uniform Loads (plf)	Pos. Internal) Case 1: L 2-3=40, 5-6=-12, 4-5=-3	umber Increase=1.60, Plate Increas	\$8=1.5U				
Horz: 1-6=-34,	5-9=34						
Uniform Loads (pif)		umber increase=1.60, Plate increa	se=1.60				
Horz: 1-6=31,	2-3=-33, 5-6=-20, 4-5=- 5-9=-31						
6) Dead + 0.6 MWFRS W	find (Pos. Internal) Left:	Lumber Increase=1.60, Plate Incre	ase=1.60				
	2-3=21, 5-6=-12, 4-5=-3	0, 9-10=-10(F)					
Horz: 1-6=13, 7) Dead + 0.6 MWFRS W	5-9≔17 /ind (Pos. Internal) Rìgh	t: Lumber Increase=1,60, Plate Incr	ease=1.60				
Uniform Loads (plf)	2-3=21, 5-6=-12, 4-5=-3						
Horz: 1-6=-17.	. 5-9=-13		nan-1 60				
Uniform Loads (plf)		Lumber Increase=1.60, Plate Incre	:dse-1.00				
Vert: 1-2=3, 2- Horz: 1-6=23,	-3=3, 5-6=-20, 4-5=-38, 5-9=8	9-10=-10(F)					
9) Dead + 0.6 MWFRS W	find (Neg. Internal) Righ	it: Lumber increase=1.60, Piate Inc	rease=1.60				
	-3=3, 5-6=-20, 4-5=-38,	9-10=-10(F)					
Horz: 1-6=-8, 10) Dead + 0.6 MWFRS \	5-9=-23 Wind (Pos. Internal) 1st	Parallel: Lumber Increase=1.60, Pl	late Increase=1.60				
Uniform Loads (plf)	, 2-3=21, 5-6=-12, 4-5=						
Horz: 1-6=11	1. 5-9=16		N 4: 1:::::::::: 4 CO				
<ol> <li>Dead + 0.6 MWFRS Uniform Loads (pif)</li> </ol>	Wind (Pos. Internal) 2nd	d Parallel: Lumber Increase=1.60, F	Plate Increase=1.60				
	, 2-3=21, 5-6=-12, 4-5= 6, 5-9=-11	-30, 9-10=-10(F)					
12) Dead + 0,6 MWFRS	Wind (Pos. Internal) 3rd	l Parallel; Lumber Increase=1.60, P	late Increase=1.60				
	, 2-3=21, 5-6=-12, 4-5=	-30, 9-10=-10(F)					
Horz; 1-6=1: 13) Dead + 0.6 MWFRS	1, 5-9=16 Wind (Pos. Internal) 4th	Parallel: Lumber Increase=1.60, P	late Increase=1.60				
Uniform Loads (plf)	, 2-3=21, 5-6=-12, 4-5=						
Horz: 1-6=-1	6. 5-9=-11		Nato Ingragge = 1 60				
Uniform Loads (plf)		t Parallel: Lumber Increase=1.60, P	riate irici ease-1.00				
Horz: 1-6=2:	2-3=3, 5-6=-20, 4-5=-3; 1, 5-9=7						
15) Dead + 0.6 MWFRS	Wind (Neg. Internal) 2n	d Parallel: Lumber Increase=1.60, I	Plate Increase=1.60				
	2-3=3, 5-6=-20, 4-5=-3	8, 9-10=-10(F)					
Horz: 1-6≕-7 16) Dead: Lumber Increa	/, 5-9=-21 ase=0.90, Plate increas	e=0.90 Pit. metal=0.90					
Uniform Loads (pif) Vert: 1-2=-2	0, 2-3=-20, 5-6=-20, 4-5	5=-50, 9-10=-10(F)				•	
17) Dead: Lumber Increa Uniform Loads (plf)	se=0.90, Plate Increas	e=0,90 Plt, metal=0,90					
Vert: 1-2=-2	0, 2-3=-20, 5-6=-20, 4-5	5=-50, 9-10=-10(F) or + 0.75(0,6 MWFRS Wind (Neg. I	Int) Left): Lumber Increa	se=1 60	Plate		
18) Dead + 0.75 Roof Liv Increase=1.60	ve (bal.) + 0.75 Attic Flo	DI + 0.75(0.6 MINN-IVO ANNO (MAGN. I	any cony. Edition more	,,,,,,			
Uniform Loads (pif) Vert: 1-2=-3	2, 2-3=-32, 5-6=-20, 4-5	5=-99, 9-10=-10(F)					
Horz: 1-6=1	7 5-9=6	or + 0,75(0.6 MWFRS Wind (Neg. I	Int) Right): Lumber Incr	ease=1.60	D, Plate		
Increase=1.60	vo (paily : 0,707 and 110		, , ,				
	2, 2-3=-32, 5-6=-20, 4-	5=-99, 9-10=-10(F)					
Horz: 1-6=-6	3, 5-9≕-17 ve (bai.) + 0.75 Attic Flo	or + 0.75(0.6 MWFRS Wind (Neg. i	int) 1st Parallel): Lumbe	er Increas	e=1.60, Pla	ate	
Increase=1.60	(*****):/ - / *****************************		•				
Uniform Loads (plf) Vert: 1-2=-3	2, 2-3=-32, 5-6=-20, 4-	5=-99, 9-10=-10(F)					

Continued on page 3

Increase=1.60

Horz: 1-6=16, 5-9=5

warrange - verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE Mit-7473 rev. \$19/2020 BEFORE USE.

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21) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallei): Lumber increase=1.60, Plate



154618048

Job		Truss	Truss Type		Ply	1	ONSITE- ROOF 154618048
341	11-34111A	A5	ROOF TRUSS	1	1	Job Reference (optional)	

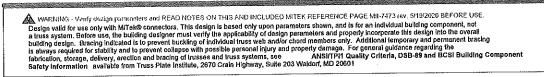
84 Components (Dunn),

Dunn, NC - 28334,

8.620 s Aug 22 2022 MTRek Industries, Inc. Fri Oct 7 14:56:29 2022 Page 3 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-gVmvAAJ6XLA4tJiFjYWsjGenqH5ANCTgf2?l6YyVmkG

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 5-6=-20, 4-5=-99, 9-10=-10(F)

Horz: 1-6=-5, 5-9=-16





NSITE- ROOF Qty Ply Truss Type Job Truss 154618049 Piggyback Base Supported Gable 1 34111-34111A B1E Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:31 2022 Page 1 Dunn, NC - 28334 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-clufasLN3yQo6dsdrzYKohk995i9rECz6MUsAQyVmkE 14-4-0 23-9-0 14-4-0 Scale = 1:72.8 3x6 = 4x6 I 12 13 14 15 16 10 11 9,00 12 3x6 🕢 3x6 11 2-5-10 26 27 25 24 3x6 == 22 21 20 19 18 23 30 4.50 12 4x6 !i 5x6 = 23-9-0 13-7-8 [11:0-1-14,Edge], [16:Edge,0-3-8], [17:Edge,0-3-8] Plate Offsets (X,Y)--**PLATES** GRIP DEFL In (loc) I/defi I/dCSI. SPACING-LOADING (psf) 2-0-0 197/144 120 MT20 Vert(LL) -0.00 nh Plate Grip DOL TC 0.71 1.15 TCLL 20.0 90 Vert(CT) -0.00 2 n/s ВС 0.33 1.15 TCDL 10,0 Lumber OOL 0.10 Horz(CT) -0.01 17 n/a n/a ₩B **BCLL** 0.0 Rep Stress Incr YES Weight: 219 lb FT = 20% Code IRC2015/TPI2014 Matrix-R BCDL 10,0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD except end verticals.

BOT CHORD

WEBS

2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.3 \*Except\*

WEBS

16-17; 2x4 SP No.2 or 2x4 SPF No.2

2x4 SP No.2 or 2x4 SPF No.2 **OTHERS** 

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

16-17, 15-18, 14-19, 13-20, 12-21, 10-22, 1 Row at midpt

REACTIONS.

All bearings 23-9-0.

Max Horz 30=384(LC 7) (lb) ~

Max Uplift All uplift 100 lb or less at joint(s) 17, 26, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28 except 30=-205(LC

6), 29=-280(LC 10)

All reactions 250 lb or less at joint(s) 17, 26, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28 except Max Grav 30=448(LC 7), 29=265(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-30=-311/137, 2-3=-410/259, 3-5=-296/192, 5-6=-275/178 TOP CHORD

# NOTES-

- 1) Wind: ASCE 7-10; Vuli=120mph Vasd=95mph; TCDL=6,0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20,0psf 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 26, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28 except (jt=lb) 30=205, 29=280.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 26, 23, 24, 25, 27, 28, 29.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 (ev. 5/19/2020 BEFORE USE, Design valid for use only with MTrek® 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 hylury and properly damage. For general guidance regarding the abhoration, storage, delivery, creation and bracing of trusses and truss systems, see ANS/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road

ONSITE-ROOF Truss Type Qty Ply Job Truss 154618050 34111-34111A 82 Piggyback Base Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:32 2022 Page 1 ID:4C\_7jOk7l8eo4Te87OXgv8ybTPY-44S1oCM?qGYfknQqOg3ZKvGJmUz8aX16L0DPityVmkD Durin, NC - 28334, 84 Components (Dunn). 23-9-0 18-10-12 14-4-0 4-10-4 Scale = 1:68.3 4x6 II 5x6 = 6 9.00 12 3x8 // 3x6 4 3x10 🥢 9 5x8 = 12 g 11 4x8 10 4.50 12 5x8 = 3x6 13-7-8 7-0-8 10-1-8 Plate Offsels (X,Y)--[5:0-3-0,0-2-2], [6:Edge,0-3-8] GRIP L/d **PLATES** SPACING-CSI. DEFL. in (loc) I/defl LOADING (psf) MT20 197/144 240 Vert(LL) -0.497-8 >573 Plate Grip DOL 1.15 TC 0.78 20.0 TCLL -0.80 7-8 >350 180 Lumber DOL 1.15 ВС 0.66 Vert(CT) TCDL 10,0 n/a 0.09 n/a YES WB 0.76 Horz(CT) BCLL 0.0 Rep Stress Incr

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

BCDL

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

5-6; 2x6 SP No.2

2x4 SP No.2 or 2x4 SPF No.2 \*Except\* **BOT CHORD** 

7-8; 2x4 SP DSS

10.0

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

2-10: 2x6 SP No.2

REACTIONS. (size) 7=0-5-8, 10=0-5-8

Max Horz 10=381(LC 7)

Max Uplift 7=-135(LC 7), 10=-51(LC 10)

Max Grav 7=955(LC 2), 10=1013(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1797/176, 4-5=-762/205, 6-7=-273/114, 2-10=-1038/203 BOT CHORD 9-10=-419/470, 8-9=-382/1617, 7-8=-157/535

Code IRC2015/TPI2014

4-9=-189/1072, 4-8=-1258/316, 5-8=-41/601, 5-7=-779/133, 2-9=0/1123 WEBS

## NOTES-

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-MS

- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify canacity of bearing surface
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 7=135.

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Weight: 172 lb

Structural wood sheathing directly applied or 3-11-0 oc purlins,

6-7, 4-8, 5-7

Rigid ceiling directly applied or 8-11-3 oc bracing.

except end verticals.

1 Row at midpt

FT = 20%

A WARNING - Verily dusing 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 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 temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of frusses 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



Edenton, NC 27932

ONSITE- ROOF Qty Ply Job Truss Truss Type 154618051 ROOF TRUSS 34111-34111A ₿4 Job Reference (optional) 8.620 s Aug 22 2022 MITek Industries, Inc. Fri Oct 7 14:56:34 2022 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:4C\_?jOk7i8eo4Te8?OXgvBybTPY-1SZoDtNFMtoNz5aCW561PKMgnlfH2VvPpKiWnlyVmkB 18-1-8 23-7-0 14-4-0 7-0-8 7-3-8 3-9-8 Scale = 1:69.5 5x6 = 3x8 = 3x6 || NON-STRUCTURAL STUD(S) FOR TRUSS HANDLING. TO BE REMOVED AFTER TRUSS IS INSTALLED. 6 9,00 12 2x4 || 2x4 3x8 🗸 3x6 🥢 (+) 3x10 🛷 5x8 = 2x4 || X 2x4 || 19 10 9 ATTIC RESIDENTIAL LIMITED ACCESS 3x6 | 12 3x6 || 20 PSF, STORAGE USE ONLY. 4.50 12 10x16 = 3x6 || 22-7-0 7-0-8 7-0-8 13-7-8 18-1-8 23-7-0 1-0-0 [5:0-4-0,0-2-12], [10:0-6-12,0-1-8], [13:0-5-0,0-2-0] Plate Offsets (X,Y)--GRIP I /d PLATES DEFL. in (loc) l/defl CSI. LOADING (psf) SPACING-2-0-0 197/144 -0.10 10-11 >999 360 MT20 Vert(LL.) TC 0.75 TCLL 20.0 Plate Grip DOL 1.15 -0.25 10-11 >999 240 вс 0,62 Vert(CT) TCDL 10.0 Lumber DOL 1.15 Horz(CT) 0.14 16 n/a n/a WB 0,48 0.0 Rep Stress Incr NO BCLL FT = 20% Weight: 222 lb Wind(LL) 0.07 11 >999 240 Code IRC2015/TPI2014 Matrix-MS 10.0 BCDL **BRACING-**LUMBER-Structural wood sheathing directly applied or 3-8-6 oc purlins, TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD except end verticals. Except: 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* BOT CHORD 6-0-0 oc bracing: 9-13 8-10; 2x10 SP No.2, 14-15; 2x4 SP No.3 Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* BOT CHORD WEBS 9-13, 4-10, 5-10 WEBS 1 Row at midpt 2-12: 2x6 SP No.2, 13-16: 2x4 SP DSS 1 Brace at Jt(s): 13 **JOINTS** 

(size) 12=0-5-8, 8=0-5-8, 16=0-3-8 Max Horz 12=349(LC 7)

Max Uplift 12=-16(LC 10), 16=-47(LC 7)

Max Grav 12=1031(LC 1), 8=390(LC 2), 16=938(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown 2-4=-1852/129, 4-5=-785/136, 5-6=-1759/93, 6-7=-1799/146, 6-13=-320/132,

TOP CHORD 2-12=-1056/179

BOT CHORD

11-12=-380/448, 10-11=-310/1655

4-11=-137/1105, 4-10=-1298/323, 5-10=-666/152, 5-13=-107/1436, 2-11=0/1179,

7-16=-911/111, 7-13=-160/1967, 10-13=-154/1349

### NOTES-

WEBS

REACTIONS.

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 23-5-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 16.

  8) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss
- 9) Attic room checked for L/360 deflection.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

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Continued on page 2

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ANS/ITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



			123	let.	172	•	ONSITE- ROOF	
Job	Truss	Тгияз Туре	Qty	Ply	1		ONSITE- ROOF	154618
34111-34111A	B4	ROOF TRUSS	6		1 .	ob Reference (optional)		17.77.
84 Components (Dunn),	Dunn, NC - 28334	<u> </u>		8.620	s Aug	22 2022 MiTek Industries	, Inc. Fri Oct 7 14:56	3:35 2022 Page 2
			ID:4C_?jOk7!8eo	4Te87OX	gvByb	TPY-Ve7AQDOI7BwDbE	9O4pdGyXurXi?Wny9	9Y1_S3JCyVmkA
LOAD CASE(S) Stan	dard							
Uniform Loads (pif)	00 0 E - 00 E 0 00 0	-7=-60, 11-12=-20, 10-11=-20, 9-10=-20, 8	050 13-1610/E\					
ven; 1-2=-t	Su, 2-5=-60, 5-660, 6 Sue (halanced) + 0 75 li	Ininhab. Attic Storage + 0.75 Attic Floor: Lu	mber Increase=1.15.	Plate Inci	rease	=1.15		
Uniform Loads (plf)	ive (balancea) - 0.70 c	initials. I tale of orange - or or tale i poor an	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* *****				
Vert: 1-2=-	50. 2-5=-50. 5-6=-50. 6	-7=-50, 11-12=-20, 10-11=-20, 10-19=-20,	9-19=-50, 8-9=-109, 1	13-16=-10	)(F)			
3) Dead + Uninhabitab	le Attic Without Storage	e: Lumber Increase=1.25, Plate Increase=1	.25					
Uniform Loads (plf)								
Vert: 1-2=-2	20, 2-5=-20, 5-6=-20, 6	-7=-20, 11-12=-41, 10-11=-41, 9-10=-40, 8	·9=-70, 13-16=-10(F)	1				
	nd (Pos. Internal) Case	1: Lumber Increase=1.60, Plate Increase=	1.60					
Uniform Loads (plf)		00 44 40 40 40 40 44 40 0 40 40 0 0	20 42 46- 40(5)					
		=22, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=	-30, 13-1010(F)					
	47, 2-5=-31, 9-13=29, 1	2-1229 1: Lumber Increase=1.60, Plate Increase=	1 60					
Uniform Loads (plf)	iu (iveg. filicinal) Case	1. Editibel increase—1.00, 1 late increase	1.00					
	2-5=-46, 5-6=-30, 6-7	=-30, 11-12=-20, 10-11=-20, 9-10=-20, 8-9	=-38, 13-16=-10(F)					
	21, 2-5=26, 9-13=-26,							
		eft: Lumber increase=1.60, Plate increase	=1,60					
Uniform Loads (plf)								
		'=21, 11-12=-12, 10-11=-12, 9-10=-12, 8-9:	-30, 13-16=-10(F)					
	9, 2-5=2, 9-13=17, 2-1							
	S Wind (Pos. Internal) F	Right: Lumber Increase=1.60, Plate Increas	e=1.6U					
Uniform Loads (plf)	0 5-7 5 6-94 6 7-9	1, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-3	0 13-16=-10(F)					
	:, z-5=7, 5-6=21, 6-7-2 -14, 2-5=-19, 9-13=-13,		D, 10-10-10(1)					
		eft: Lumber Increase=1.60, Plate Increase	=1.60					
Uniform Loads (plf)	s rema (crog. momay :							
Vert: 1-2=-	27, 2-5=-32, 5-6=3, 6-7	'=3, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-	38, 13-16=-10(F)					
Horz: 1-2=	7, 2-5=12, 9-13=8, 2-12	2=23						
9) Dead + 0.6 MWFRS	S Wind (Neg. Internal) F	Right: Lumber Increase=1.60, Plate Increas	e=1,60					
Uniform Loads (plf)			to to/=)					
		3, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-3	8, 13-16=-10(F)					
Horz: 1-2=	-14, 2-5=-9, 9-13=-23,	2-12=-8	Inoropeo=1 60					
		1st Parailel: Lumber Increase=1.60, Plate	OO, I Scastulli					
Uniform Loads (pl	!) :16	=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=	30. 13-16≃-10(F)					
	=-28, 2-5=-33, 9-13=16		,, ,					
		2nd Parallel: Lumber increase=1.60, Plate	increase=1,60					
Uniform Loads (pl	በ							
Vert: 1-2-	2, 2-5=7, 5-6=7, 6-7=7	′, 11-12=-12, 1 <del>0</del> -11=-12, 9-10=-12, 8-9=-3(	, 13-16=-10(F)					
Horz: 1-2	=-14, 2-5=-19, 9-13=-1	1, 2-12=-16						
		3rd Parallel: Lumber Increase≔1.60, Plate	Increase=1.60					
Uniform Loads (pl	f)		20 42 40- 40(5)					
		/=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=	30, 13-16=-10(F)					
Horz: 1-2	=-28, 2-5=-33, 9-13=16 RS Wind (Pos. Internal)	), Z-1Z=11						

Uniform Loads (plf)

Vert: 1-2=2, 2-5=7, 5-6=7, 6-7=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F) Horz: 1-2=-14, 2-5=-19, 9-13=-11, 2-12=-16

14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=8, 2-5=3, 5-6=-11, 6-7=-11, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F)

Horz: 1-2=-28, 2-5=-23, 9-13=7, 2-12=21 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf) Vert: 1-2=-6, 2-5=-11, 5-6=-11, 6-7=-11, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F) Horz: 1-2=-14, 2-5=-9, 9-13=-21, 2-12=-7

16) Dead + Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf) Vert: 1-2=-20, 2-5=-20, 5-6=-20, 6-7=-20, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-60, 8-9=-50, 13-16=-10(F)

17) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.26 Uniform Loads (pif)

Vert; 1-2=-20, 2-5=-20, 5-6=-20, 6-7=-20, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-60, 8-9=-50, 13-16=-10(F) 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber

Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-55, 2-5=-59, 5-6=-32, 6-7=-32, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=5, 2-5=9, 9-13=6, 2-12=17 19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber

Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-40, 2-5=-43, 5-6=-32, 6-7=-32, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=-10, 2-5=-7, 9-13=-17, 2-12=-6 20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. int) 1st Parallel):

Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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154618051

818 Soundside Road

Job	Truss	Truss Type	Qly	Ply	ONSITE- ROOF	54618051
34111-34111A		ROOF TRUSS	6	1	Job Reference (optional)	

84 Components (Dunn).

Dunn, NC - 28334,

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:35 2022 Page 3 ID:4C\_2jOk7lBeo4Te87OXgvBybTPY-Ve7AQDOt7BwDbE9O4pdGyXurXi?Wny9Y1\_S3JCyVmkA

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-29, 2-5=-32, 5-6=-43, 6-7=-43, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=-21, 2-5=-18, 9-13=5, 2-12=16

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1,60

Uniform Loads (plf)

Vert: 1-2=-40, 2-5=-43, 5-6=-43, 6-7=-43, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F) Horz: 1-2=-10, 2-5=-7, 9-13=-16, 2-12=-5

22) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert. 1-2=-60, 2-5=-60, 5-6=-60, 6-7=-60, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-50, 13-16=-10(F)

23) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-20, 2-5=-20, 5-6=-60, 6-7=-60, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-50, 13-16=-10(F)

24) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-50, 2-5=-50, 5-6=-50, 6-7=-50, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-109, 13-16=-10(F)

25) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (olf)

Vert: 1-2=-20, 2-5=-20, 5-6=-50, 6-7=-50, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-109, 13-16=-10(F)

26) Reversal: Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pif)

Vert: 1-2=35, 2-5=19, 5-6=22, 6-7=22, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F) Horz: 1-2=-47, 2-5=-31, 9-13=29, 2-12=-29

27) Reversal; Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=1, 2-5=-46, 5-6=-30, 6-7=-30, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F)

Horz: 1-2=-21, 2-5=26, 9-13=-26, 2-12=26

28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-3, 2-5=-14, 5-6=21, 6-7=21, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F)

Horz: 1-2=-9, 2-5=2, 9-13=17, 2-12=13

29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=2, 2-5=7, 5-6=21, 6-7=21, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F)

Horz: 1-2=-14, 2-5=-19, 9-13=-13, 2-12=-17

30) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-27, 2-5=-32, 5-6=3, 6-7=3, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F)

Horz: 1-2=7, 2-5=12, 9-13=8, 2-12=23 31) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (olf)

Vert: 1-2=-6, 2-5=-11, 5-6=3, 6-7=3, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F) Horz: 1-2=-14, 2-5=-9, 9-13=-23, 2-12=-8

32) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf) Vert: 1-2=16, 2-5=21, 5-6=7, 6-7=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F)

Horz: 1-2=-28, 2-5=-33, 9-13=16, 2-12=11

33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=2, 2-5=7, 5-6=7, 6-7=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F)

Horz: 1-2=-14, 2-5=-19, 9-13=-11, 2-12=-16

34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pif)

Vert: 1-2=16, 2-5=21, 5-6=7, 6-7=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F) Horz: 1-2=-28, 2-5=-33, 9-13=16, 2-12=11 35) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber increase=1.60, Plate Increase=1.60

Uniform Loads (plf) Vert: 1-2=2, 2-5=7, 5-6=7, 6-7=7, 11-12=-12, 10-11=-12, 9-10=-12, 8-9=-30, 13-16=-10(F)

Horz: 1-2=-14, 2-5=-19, 9-13=-11, 2-12=-16 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf) Vert: 1-2=8, 2-5=3, 5-6=-11, 6-7=-11, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F)

Horz: 1-2=-28, 2-5=-23, 9-13=7, 2-12=21

37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-6, 2-5=-11, 5-6=-11, 6-7=-11, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-38, 13-16=-10(F) Horz: 1-2=-14, 2-5=-9, 9-13=-21, 2-12=-7

38) Reversal; Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left):

Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-55, 2-5=-59, 5-6=-32, 6-7=-32, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=5, 2-5=9, 9-13=6, 2-12=17

←Continued on page 4

🚵 WARNING - Verify dissign 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 property damage. For general guidance regarding the fabrication, storage, delivery, crection 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



818 Soundside Road

Job	Truss	Truss Type	Qty	Ply		ONSITE-ROOF	154618051
34111-34111A	В4	ROOF TRUSS	6		ob Reference (optional)		

84 Components (Dunn),

Dunn, NC - 28334,

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:35 2022 Page 4 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-Ve7AQDOt7BwDbE9O4pdGyXurXi?Wny9Y1\_S3JCyVmkA

LOAD CASE(S) Standard

39) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attlc Storage + 0.75 Attlc Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-40, 2-5=-43, 5-6=-32, 6-7=-32, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=-10, 2-5=-7, 9-13=-17, 2-12=-6

40) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-29, 2-5=-32, 5-6=-43, 6-7=-43, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=-21, 2-5=-18, 9-13=5, 2-12=16

41) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-40, 2-5=-43, 5-6=-43, 6-7=-43, 11-12=-20, 10-11=-20, 10-19=-20, 9-19=-50, 8-9=-99, 13-16=-10(F)

Horz: 1-2=-10, 2-5=-7, 9-13=-16, 2-12=-5

ONSITE-ROOF Qty Ply Truss Type Job Truss 154618052 1 B5 Piggyback Base 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:36 2022 Page 1 ID:4C\_?]Ok7l8eo4Te8?OXgvBybTPY-zrhYeZPWuV24COkbdW8VViR?Z6F7WLIiGeBdreyVmk9 Durin, NC - 28334, 84 Components (Dunn), 23-7-0 18-9-12 14-4-0 Scale = 1:68.3 4x6 | 5x6 = 6 9,00 12 3x8 // 3x6 / 4x10 🥢 5x8 = 12 B 11 4x6 10 4.50 12 5x8 = 3x6 || 23-7-0 Plate Offsets (X,Y)-- [5:0-3-0,0-2-2], [6:Edge,0-3-8] GRIP L/d **PLATES** DEFL. in (loc) I/defl SPACING-LOADING (psf) MT20 197/144 7-8 >528 240 TC 0.79 Verl(LL) -0.531.15 Plate Grio DOL TCLL 20.0 7-8 >323 180 вс 0.98 Vert(CT) -0.86 1.15 TCDL 10.0 Lumber DOL n/a

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

WE8S

0.09

n/a

except end verticals.

1 Row at midpl

HIMBER-

0.0

10.0

BCLL

BCDL

2x4 SP No.2 or 2x4 SPF No.2 \*Except\* TOP CHORD

5-6: 2x6 SP No.2

2x4 SP No.2 or 2x4 SPF No.2 \*Except\* BOT CHORD

7-8: 2x4 SP No.1

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

2-10: 2x6 SP No.2

REACTIONS. (size) 7=0-3-8, 10=0-5-8

Max Horz 10=381(LC 7)

Max Uplift 7=-135(LC 7), 10=-51(LC 10) Max Grav 7=947(LC 2), 10=1007(LC 1)

Rep Stress Incr

Code IRC2015/TPI2014

YES

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

2-4=-1766/167, 4-5=-748/208, 6-7=-269/113, 2-10=-1042/209 TOP CHORD

9-10=-428/501, 8-9=-360/1500, 7-8=-155/526 BOT CHORD

4-9=-182/1031, 4-8=-1164/303, 5-8=-48/608, 5-7=-772/133, 2-9=0/1065 WEBS

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-MS

0.74

- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 10 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 ib uplift at joint(s) 10 except (jt=lb) 7=135.



Weight: 172 lb

Structural wood sheathing directly applied or 3-9-11 oc purlins,

6-7, 4-8, 5-7

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

FT = 20%

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ANSITPH 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

ONSITE- ROOF Qty Ply Job Truss Truss Type 154618053 b В6 Piggyback Base 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, inc. Fri Oct 7 14:56:37 2022 Page 1 ID:4C\_?jOk7i8eo4Te8?OXgvBybTPY-R1FwrvQ8foAxqYJnBDfk1y\_AWVcjFnOrVIxAO4yVmk8 84 Components (Dunn), Dunn, NC - 28334, 23-7-0 14-4-n 7-3-12 7-0-4 Scale = 1:67.0 4x6 || 5x6 = 5 9.00 12 3x6 4 3x6 🥢 4x6 4 1-1-0 3x8 12 811 7 10 3x6 H 9 3x6 = 3x6 = 4x6 == 7-3-12 7-3-12 23-7-0 14-4-0 7-0-4[1:Edge,0-1-8], [4:0-3-0,0-2-2], [5:Edge,0-3-8] Plate Offsets (X,Y)--**PLATES** GRIP DEFL. l/defi L/d (loc) SPACING-CSI. LOADING (psf) 2-0-0 197/144 MT20 Vert(LL) -0,34 6-7 >815 240 TC 0.78 Plate Grip DOL 1 15 TCLL 20.0 Vert(CT) -0.57 6-7 >493 180 вс 0.96 TCDL Lumber DOL 1.15 10.0 Horz(CT) 0.02 6 n/a nla WB 0.82 0.0 Rep Stress Incr YES **BCLL** Weight: 171 lb FT = 20%Code IRC2015/TPI2014 Matrix-MS 10.0 BCD! **BRACING-**LUMBER-Structural wood sheathing directly applied or 4-3-8 oc purlins, 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* TOP CHORD TOP CHORD except end verticals.

BOT CHORD

WEBS

4-5: 2x6 SP No.2

2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

1-10; 2x4 SP No.3

(size) 6=0-5-8, 10=0-5-8 REACTIONS.

Max Horz 10=366(LC 7) Max Uplift 6=-133(LC 7), 10=-32(LC 10) Max Grav 6=979(LC 2), 10=932(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1114/135, 2-4=-782/203, 5-6=-269/114. 1-10=-861/117

9-10=-352/385, 7-9=-193/949, 6-7=-147/570 BOT CHORD

2-7=-500/202, 4-7=-39/688, 4-6=-849/118, 1-9=0/659 WEBS

## NOTES-

WEBS

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 6=133.

ORTH 036322 A. GI\ Winding October 11,2022

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

5-6, 2-7, 4-6

1 Row at midpt

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 (ey. 5/19/2020 BEFORE USE WARRINGS - VOILY design parameters and READ NO IES ON THIS AND INCLUDED MITER REFERENCE FAGE MIT-747 MY, STREAM STREAM OF THE ONE USE.

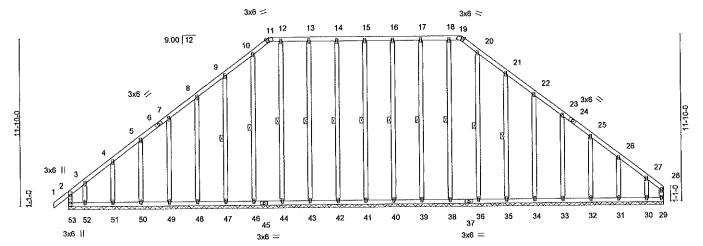
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 in/jury 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, 2670 Crain Highway, Suite 203 Waktorf, MD 20601



DUSITE- ROOF Qty Ply Job Truss Truss Type 154618054 Piggyback Base Supported Gable C1E 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MTek Industries, Inc. Fri Oct 7 14:56:39 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-NQNhGbROAQQf3sTAJehC6N3eXJUGjreBycQHSzyVmk6 28-1-0 13-9-0 14-4-0 14-4-0

Scale = 1:78.5



[11:0-1-14,Edge], [19:0-1-14,Edge] Plate Offsets (X,Y)--**PLATES** GRIP DEFL. I/defl 1 /d CSI. (toc) SPACING-LOADING (psf) 197/144 MT20 Vert(LL) -0.00 n/c 120 TC 0.24 20.0 Plate Grip DOL 1.15 TCLL Vert(CT) -0,00 n/r 90 вс 0.12 TCDL 10.0 Lumber DOL 1.15 Horz(CT) 0.01 29 n/a n/a WB 0.13 **BCLL** 0.0 Rep Stress Incr YES Weight: 382 lb FT = 20%Code IRC2015/TPI2014 Matrix-R BCDL 10.0

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

2x4 SP No.3 \*Except\* WEBS

28-29: 2x4 SP No.2 or 2x4 SPF No.2

2x4 SP No.2 or 2x4 SPF No.2 OTHERS

**BRACING-**TOP CHORD

WEBS

42-5-0

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

except end verticals. Rigid celling directly applied or 10-0-0 oc bracing. BOT CHORD

1 Row at midpt

15-41, 14-42, 13-43, 12-44, 10-46, 9-47,

16-40, 17-39, 18-38, 20-36, 21-35

REACTIONS. All bearings 42-5-0.

Max Horz 53=264(LC 7) (lb) -

Max Uplift All uplift 100 ib or less at joint(s) 41, 42, 43, 47, 48, 49, 50, 51, 40, 39, 35, 34, 33, 32, 31

except 53=-181(LC 6), 29=-146(LC 9), 52=-215(LC 10), 30=-190(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 29, 41, 42, 43, 44, 46, 47, 48, 49, 50, 51, 52, 40, 39, 38,

36, 35, 34, 33, 32, 31, 30 except 53=281(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 9-10=-227/263, 10-11=-227/260, 19-20=-227/260, 20-21=-227/263 TOP CHORD

# NOTES-

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

- 2) Wind: ASCE 7-10; Vuit=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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.
- 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 20.0psf 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 ib uplift at joint(s) 41, 42, 43, 47, 48, 49, 50, 51, 40, 39, 35, 34, 33, 32, 31 except (jt=lb) 53=181, 29=146, 52=215, 30=190.

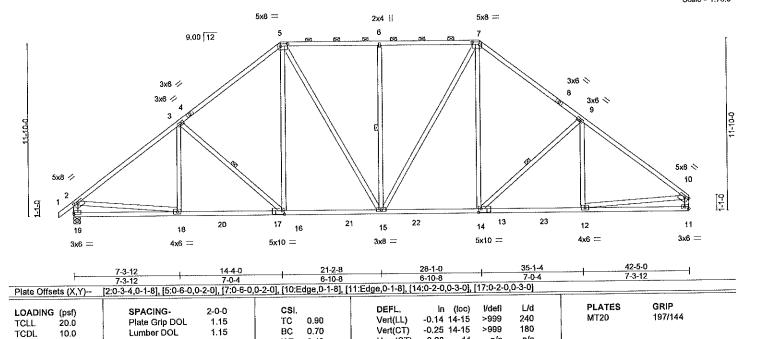


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ONSITE- ROOF Qty PΙγ Truss Type Joh Truss 154618055 34111-34111A C2 PIGGYBACK BASE | Job Reference (optional)
8.610 s May 25 2022 MiTek Industries, Inc. Mon Oct 10 11:52:53 2022 Page 1
ID:4C\_?jOK7l8eo4Te8?OXgvBybTPY-h0JPuzcDWB7dsIX5OOpNfIT49ahcT4aWfWbhMyV\_h0 84 Components (Dunn), Dunn, NC - 28334, 35-1-4 42-5-0 28-1-0 6-10-8 14-4-0 7-0-4

Scale = 1:76.0



Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

WEBS

0.08

11

1 Row at midpt

n/a

n/a

2-0-0 oc purlins (3-10-10 max.): 5-7.

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

Weight: 296 lb

Structural wood sheathing directly applied, except end verticals, and

3-16, 6-15, 9-14

FT = 20%

LUMBER-

0.0

10.0

BCLL

BCDL

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

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

2-19 10-11: 2x4 SP No.3

REACTIONS. (size) 19=0-5-8, 11=Mechanical

Max Horz 19=264(LC 7)

Max Uplift 19=-53(LC 10), 11=-34(LC 11) Max Grav 19=1757(LC 1), 11=1690(LC 2)

Rep Stress Incr

Code IRC2015/TPI2014

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

2-3=-2233/264, 3-5=-1924/338, 5-6=-1629/347, 6-7=-1629/347, 7-9=-1927/339, TOP CHORD

9-10=-2233/262, 2-19=-1688/247, 10-11=-1624/205

18-19=-273/477, 16-18=-109/1767, 15-16=-70/1449, 14-15=0/1450, 12-14=-92/1710 BOT CHORD

YES

3-16=-454/196, 5-16=-47/547, 5-15=-153/465, 6-15=-469/172, 7-15=-153/463,

7-14=-49/554, 9-14=-464/200, 2-18=0/1454, 10-12=-47/1521

### NOTES-

WEBS

Unbalanced roof live loads have been considered for this design.

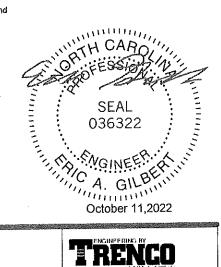
2) Wind: ASCE 7-10; Vull=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

0.48

WΒ

Matrix-MS

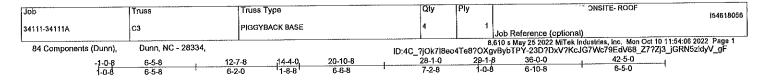
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Ail bearings are assumed to be User Defined crushing capacity of 425 psi.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 19 and 34 lb uplift at
- 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.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 tev. 9/19/2020 BEFORE USE, NAMENING - Veilty design parameters and READ NOTES OR THIS ARD INCLUDED ARITER REFERENCE PAGE MILTATA RY, STISCACE BEFORE USE.

Design valid for use only with MITAK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designe 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 demang. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCS) Building Component Safety information available from Truss Plate Institute, 2670 Crain Highway, Sulte 203 Waldorf, MD 20801





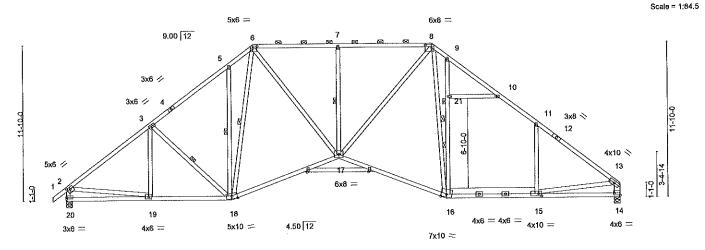


Plate Offsets (X,Y)	6-5-8 6-5-8 [2:0-3-0,0-1-12], [6:0-3-12,0-	12-7-8 6-2-0 -1-12], [8:0-6-0,0-2-1	20-10-8 8-3-0 2], [14:Edge,0-2-0], [		9-1-8 8-3-0  -0		36-0-0 6-10-8	42-5-0 6-5-0	-1 ·
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	Plate Grip DOL Lumber DOL	1.15 To 1.15 B YES W	0.82	DEFL. Vert(LL) Vert(CT) Horz(CT) Attic	in (loc) 0.57 14-15 -0.88 14-15 0.10 14 -0.26 15-16	l/defl >887 >572 n/a 310	L/d 240 180 n/a 360	PLATES MT20 Weight: 326 lb	<b>GRIP</b> 197/144 FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

8-12.12-13; 2x4 SP No.1

BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

14-16; 2x4 SP DSS, 15-16; 2x6 SP No.2, 22-23; 2x4 SP No.3 2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

WEBS

2-20: 2x4 SP No.3, 13-14: 2x6 SP No.2

BRACING-TOP CHORD

BOT CHORD

WEBS

JOINTS

7-1-7 oc bracing: 14-15. 1 Row at mldpt

1 Brace at Jt(s): 21

2-0-0 oc purlins (2-2-0 max.): 6-8.

3-18, 5-18, 6-18, 7-17, 8-16, 16-21

036322

ORTH CARON

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

To the state of th

Structural wood sheathing directly applied, except end verticals, and

REACTIONS.

(size) 20=0-5-8, 14=0-5-8

Max Horz 20=265(LC 7)

Max Uplift 20=-44(LC 10), 14=-2(LC 11) Max Grav 20=1769(LC 1), 14=1835(LC 2)

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

2-3=-2197/245, 3-5=-1965/313, 5-6=-1911/424, 6-7=-2171/322, 7-8=-2171/322, TOP CHORD 8-9=-2219/481, 9-10=-1914/256, 10-11=-2085/264, 11-13=-2201/136, 2-20=-1706/233,

13-14=-1637/116

19-20=-266/424, 18-19=-104/1667, 17-18=-92/1599, 16-17=0/1666, 15-16=0/1674, BOT CHORD 14-15=-189/559

3-18=-315/162, 5-18=-309/184, 6-18=-240/303, 6-17=-13/1181, 7-17=-471/172, 8-17=-150/1059, 8-16=-413/960, 16-21=-796/387, 9-21=-796/387, 11-15=-258/178,

2-19=-4/1441, 13-15=-65/1244

### NOTES-

WEBS

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-16
- 8) All bearings are assumed to be User Defined crushing capacity of 425 psi.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 20 and 2 lb uplift at joint 14.
- 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.

12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

TONSITE- ROOF Job Truss Truss Type Qty Ply 154618057 PIGGYBACK BASE 34111-34111A Job Reference (optional)

8.610 s May 25 2022 MTek Industries, Inc. Mon Oct 10 11:56:14 2022 Page ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-lhyO4i2lAxR6UBOjf6wWl8lQebFb3sY6tl6kECyV\_eF 84 Components (Dunn), Dunn, NC - 28334, 36-0-0 29-1-8 1-0-8 20-10-8 6-10-8 Scale = 1:83.7 5x6 == 6x8 = 9.00 12 5 3x6 🥢 3x6 4 20 10 11-10-0 4x6 🛇 11 4x6 4 12 6x8 = 97 0 <u>©</u> 13 15 18 4x6 = 4x6 = 4x10 = 4.50 12 7x12 M18AHS II 5x10 = 3x6 4x6 = 7x10 ==

<del> </del>	6-5-8 6-5-8	12-7-8 6-2-0	20-10-8 8-3-0	29-1-8 8-3-0	36-0-0 6-10-8	42-5-0
Plate Offsets (X,Y)	[1:0-3-0,0-1-12], [5:0-	3-12,0-1-12], [7:0-	6-0,0-2-12], [11:0-3-0,Edg	e], [13:Edge,0-3-8], [14:0-3-0,0-	1-12]	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- Plate Grip DOI Lumber DOL Rep Stress Ind Code IRC201	1.15 or YES	CSI. TC 0.95 BC 0.83 WB 0.98 Matrix-MS	DEFL. in (loc) Vert(LL) 0.60 13-14 Vert(CT) -0.95 13-14 Horz(CT) 0.10 13 Attic -0.28 14-15	l/defl L/d >841 240 >532 180 n/a n/a 292 360	PLATES GRIP MT20 197/144 M18AHS 142/136 Weight: 323 ib FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

LUMBER-

2x4 SP No.2 or 2x4 SPF No.2 \*Except\* TOP CHORD

7-11,11-12; 2x4 SP No.1

BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* 13-15: 2x4 SP DSS, 14-15: 2x6 SP No.2

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

1-19,12-13: 2x4 SP No.3

REACTIONS. (size) 19=0-5-8, 13=0-5-8

Max Horz 19=-252(LC 6)

Max Uplift 19=-25(LC 10), 13=-3(LC 11) Max Grav 19=1700(LC 1), 13=1838(LC 2)

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

1-2=-2205/243, 2-4=-1976/315, 4-5=-1916/422, 5-6=-2182/323, 6-7=-2182/323, TOP CHORD

7-8=-2244/483, 8-9=-1923/257, 9-10=-2099/266, 10-12=-2223/136, 1-19=-1637/191, 12-13=-1638/117

18-19=-243/370, 17-18=-103/1681, 16-17=-90/1607, 15-16=0/1678, 14-15=0/1690, **BOT CHORD** 

13-14=-188/572

2-17=-321/166, 4-17=-299/179, 5-17=-237/297, 5-16=-14/1187, 6-16=-471/171, WERS 7-16=-149/1060, 7-15=-415/985, 15-20=-816/388, 8-20=-816/388, 10-14=-252/180,

1-18=-52/1503, 12-14=-62/1244

# NOTES-

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 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 20.0psf 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) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
- 9) All bearings are assumed to be User Defined crushing capacity of 425 psi.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 19 and 3 lb uplift at
- 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.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

  13) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Continued on page 2

October 11,2022

Structural wood sheathing directly applied, except end verticals, and

2-17, 4-17, 5-17, 6-16, 7-15, 15-20

William A. G.

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

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

6-9-5 oc bracing: 13-14.

1 Row at midpt

1 Brace at Jt(s): 20



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 (e.g. 5/19/2020 BEFORE USE. Design valid for use only with MTI-Keth candidates on the AND INCLUDED MILER REFERENCE PAGE MILTATS BY STISTED BEFORE USE.

Design valid for use only with MTI-Keth candidates and resolutions. 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, crection 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	ONSITE- ROOF 15461805	57
34111-34111A	C4	PIGGYBACK BASE	1		Job Reference (optional)	

| JOD Reference (optional) 8,610 s May 25 2022 MTek Industries, Inc. Mon Oct 10 11:56:14 2022 Page 2 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-thyO4i2IAxR6UBOjf6wWl8IQebFb3sY6tl6kECyV\_eF

ONSITE- ROOF Qly Ply Job Truss Truss Type 154618058 3 ROOF TRUSS C5 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek industries, Inc. Fri Oct 7 14:56:47 2022 Page 1 Dunn, NC - 28334 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-8ysixKXPltRW144inKr4R3OsJX2TaOEJosMikVyVmk\_ 39-5-0 28-1-0 7-2-8 36-0-0 20-10-8 12-7-8 3-5-0 6-2-0 1-8-8 6-6-8 Scale = 1:82.1 5x6 ---6x8 = 6 9.00 12 3x6 🗸 3x6 🥢 10 5x6 📎 4x6 4 5 6x8 = 9-1-1 12 14 17 16 18 4x6 = 4x6 = 4.50 12 5x12 = 3x6 II 5x10 = 4x6 == 3x6 = 6x10 == 36-0-0 20-10-8 29-1-8 6-5-8 6-5-8 6-10-8 6-2-0 8-3-0 [1:0-3-0,0-1-12], [5:0-3-12,0-1-12], [7:0-6-0,0-2-12], [13:0-3-8,0-2-4], [14:0-5-0,0-1-8] Plate Offsets (X,Y)--PLATES **GRIP** I/defl L/d in (loc) CSI. LOADING (psf) SPACING-2-0-0 197/144 -0.25 14-15 >999 240 MT20 0,89 Verl(LL) TC TCLL 20.0 Plate Grip DOL 1.15 -0.57 14-15 >818 180 0.80 Vert(CT) 10.0 Lumber DOL 1.15 BC TCDL 0.11 12 n/a n/a WB 0.41 Horz(CT) 0.0 Rep Stress Incr YES **BCLL** FT = 20% Weight: 316 lb -0.10 13-14 777 360 Code IRC2015/TP12014 Attic Matrix-MS 10,0 BCDL **BRACING-**LUMBER-Structural wood sheathing directly applied or 2-2-0 oc purlins, TOP CHORD TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 except end verticals. 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 12-14: 2x6 SP DSS, 20-21: 2x4 SP No.3 **BOT CHORD** 3-16, 4-16, 5-16, 6-15, 7-14 2x4 SP No.2 or 2x4 SPF No.2 \*Except\* 1 Row at midpt WEBS WE8S 1 Brace at Jt(s): 19 JOINTS 1-18,11-12: 2x4 SP No.3 ORTH CARO (size) 18=0-5-8, 12=0-5-8 REACTIONS. Max Horz 18=275(LC 7) Max Uplift 18=-31(LC 10) Max Grav 18=1576(LC 1), 12=1761(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-3=-2031/229, 3-4=-1787/300, 4-5=-1724/407, 5-6=-1881/303, 6-7=-1881/303, TOP CHORD 7-8=-1539/405, 8-9=-1553/239, 9-10=-1638/229, 10-11=-1511/99, 1-18=-1514/181, 11-12=-2041/70 17-18=-267/362, 16-17=-145/1542, 15-16=-138/1436, 14-15=-32/1311, 13-14=0/1215 BOT CHORD 3-16=-334/165, 4-16=-295/179, 5-16=-231/343, 5-15=-11/952, 6-15=-472/172, WEBS

NOTES-

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

1-17=-41/1367, 11-13=0/1677

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Provide adequate drainage to prevent water ponding.
 All plates are 2x4 MT20 unless otherwise indicated.

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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18.

7-15=-152/1089, 7-14=-412/358, 14-19=-338/301, 8-19=-338/301, 10-13=-463/184,

9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

October 11,2022

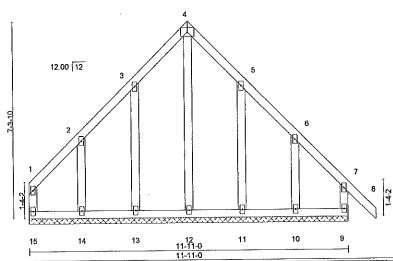


RENCO

ONSITE- ROOF Qly Job Truss Truss Type 154618059 Common Supported Gable D1E 34111-34111A Job Reference (optional) Dunn, NC - 28334, 84 Components (Dunn),

4x6 ==

Scale = 1:41.2



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 0.15 BC 0.10 WB 0.24 Matrix-R	DEFL. In Vert(LL) -0.00 Vert(CT) -0.01 Horz(CT) 0.00	(loc) 8 8 9	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES GRIP MT20 197/144 Weight: 81 lb FT = 20%
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**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

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

7-9: 2x4 SP No.3 2x4 SP No.3 \*Except\* OTHERS

4-12: 2x4 SP No.2 or 2x4 SPF No.2

REACTIONS. All bearings 11-11-0.

Max Horz 15=-174(LC 6) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 15, 9, 13, 11 except 14=-130(LC 10), 10=-136(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 15, 9, 12, 13, 14, 11, 10

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

4-12=-289/165 WEBS

## NOTES-

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone, cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads,
- 9) \* This truss has been designed for a live load of 20.0psf 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 9, 13, 11 except ([t=lb) 14=130, 10=136.

036322 A. G۱۱ Minimum October 11,2022

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

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

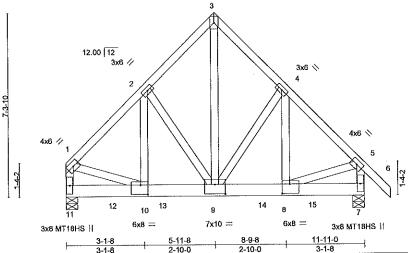
except end verticals.

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE Mit-7473 (ev. 5/19/2020 BEFORE USE. Design valid for use only with MTD460 connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building design is based only upon 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 properly damage. For general guildance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITP!1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



ONSITE- ROOF Qty Ply Truss Type Job Truss 154618060 D2G Common Girder 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:50 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn) ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-ZXXraMalbop5uYpHSSOn3i0R7l7Rnj\_mUpaMKqyVmjx 5-11-8 2-10-0 11-11-0 12-11-8 8-9-8 2-10-0 Scale = 1:44.0 4x6 || 3



[8:0-3-8,0-4-8], [9:0-5-0,0-4-8], [10:0-3-8,0-4-8] Plate Offsets (X,Y)--PLATES GRIP DEFL. l/defi 1 ld CSI. in (loc) SPACING-LOADING (psf) 197/144 MT20 Vert(LL) -0.03 8-9 >999 240 1.15 TC 0.60 Plate Grip DOL TCLL. 20 D MT18HS 244/190 0.59 Vert(CT) -0.06 8-9 >999 180 1.15 BC Lumber DOL TCDL 10.0 0.54 Horz(CT) 0.01 n/a n/a WB BCLL 0.0 Rep Stress Incr NO Weight: 202 lb FT = 20% Code IRC2015/TPI2014 Matrix-MS BCDL 10.0

**BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD

BOT CHORD 2x6 SP No.2

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

1-11,5-7: 2x4 SP No.3

(size) 11=0-5-8, 7=0-5-8

Max Horz 11=-172(LC 4) Max Uplift 11=-134(LC 9), 7=-137(LC 9)

Max Grav 11=4681(LC 1), 7=4640(LC 1)

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

TOP CHORD

1-2=-4280/160, 2-3=-3295/189, 3-4=-3292/188, 4-5=-4291/163, 1-11=-4043/132, 5-7=-4139/139

10-11=-153/345, 9-10=-117/2969, 8-9=-47/2968 BOT CHORD WEBS

3-9=-201/4386, 4-9=-1156/139, 4-8=-52/1539, 2-9=-1157/140, 2-10=-47/1518,

1-10=-58/2875, 5-8=-50/2898

### NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 cc.

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.

Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

5) All plates are MT20 plates unless otherwise indicated.

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 20.0psf 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) except (it=lb) 11=134, 7=137,

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1670 lb down and 54 lb up at 1-10-4, 1670 ib down and 54 lb up at 3-10-4, 1670 lb down and 54 lb up at 5-10-4, and 1670 lb down and 54 ib up at 7-10-4, and 1670 lb down and 54 lb up at 9-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

October 11,2022

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

ORTH CARO

036322

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

except end verticals.

Continued on page 2

🚵 WARNING - Venly design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 9/19/2020 BEFORE USE. Design valid for use only with MTLEMP 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 pranage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANS/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		ONSITE- ROOF 154618060	
34111-34111A	D2G	Common Girder	1	2	Job Reference (optional)	L. E. O. J. 7.44.50.50 2022 Page 2	

84 Components (Dunn),

Dunn, NC - 28334,

8.620 s Aug 22 2022 MITek Industries, Inc. Fri Oct 7 14:56:50 2022 Page 2 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-ZXXraMalbop5uYpHSSOn3l0R7l7Rnj\_mUpaMKqyVmjx

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, 5-6=-60, 7-11=-20
Concentrated Loads (ib)
Vert: 9=-1664(B) 12=-1664(B) 13=-1664(B) 14=-1664(B) 15=-1664(B)



	Job	Truss	Truss Type	Qty	Ply	ONSITE- ROOF	15 40 4 500 4
ļ				ا	١,		154618061
i	34111-34111A	G1E	Common Supported Gable	]1	'	Job Reference (optional)	
	84 Components (Dunn),	Dunn. NC - 28334.			8.620 s A	ug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:51	2022 Page 1
	or componence (barry,	20111,110 20001,		ID:4C_?jOk7l8	eo4Te8?O	XgvBybTPY-1j5DnhawM6xyViNT0Av0cvZkk9cXWitvj	TKvsGyVmjw
	, -1-0-8	9-1	1-8			19-11-0	20-11-8
	400	0.4	10			9-11-8	1-0-8

Scale = 1:35.3

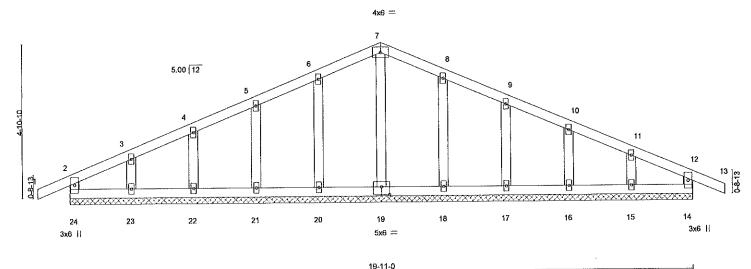


Plate Offsets (X,Y)	[19:0-3-0,0-3-0]	T		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.09 BC 0.03 WB 0.05 Matrix-R	Vert(CT) -0.01 13 n/r 90 Horz(CT) 0.00 14 n/a n/a	HP 7/144 FT = 20%

19-11-0

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

2x4 SP No.3 WERS

2x4 SP No.3 OTHERS

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.

All bearings 19-11-0. REACTIONS.

(lb) - Max Horz 24=-52(LC 15)

Max Uplift All uplift 100 ib or less at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15 Max Grav All reactions 250 lb or less at joint(s) 24, 14, 19, 20, 21, 22, 23, 18, 17, 16, 15

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; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20,0psf 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 Inv. \$/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, eraction and bracing of trusses and truss systems, see

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



ONSITE- ROOF Qty Job Truss Truss Type 154618062 5 G2 Common 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:53 2022 Page 1 ID:4C\_?jOK?l8eo4Te8?OXgvBybTPY-z6D\_CNcAljBgl?Xs7byUhKetLy4S\_BlCAnp0x9yVmju Dunn, NC - 28334, 84 Components (Dunn), 19-11-0 9-11-8 14-2-9 1-0-8 5-8-7

Scale = 1:35.3

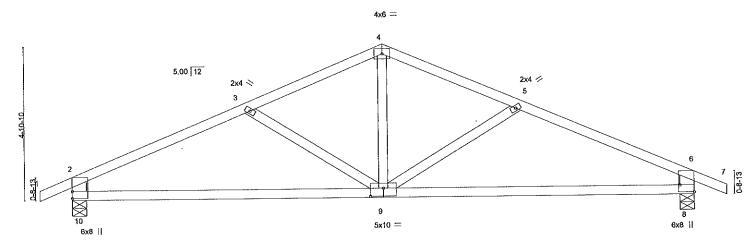


Plate Offsets (X,Y)	[8:Edge,0-5-8], [9:0-5-0,0-3-0]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSt. TC 0.92 BC 0.89 WB 0.12 Matrix-MS	DEFL.     in (loc)     l/defl     L/d     PLATES     GRIP       Vert(LL)     -0.18     9-10     >999     240     MT20     197/144       Vert(CT)     -0.37     9-10     >632     180       Horz(CT)     0.03     8     n/a     n/a       Weight: 88 lb     FT = 20%

BRACING-

TOP CHORD

BOT CHORD

9-11-8

except end verticals.

Structural wood sheathing directly applied or 2-2-0 oc purlins,

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

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD WEBS

2x4 SP No.2 or 2x4 SPF No.2 \*Except\*

2-10,6-8: 2x6 SP No.2

REACTIONS.

(size) 10=0-5-8, 8=0-5-8 Max Horz 10=51(LC 10)

Max Uplift 10=-66(LC 10), 8=-66(LC 11) Max Grav 10=855(LC 1), 8=855(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-1228/239, 3-4=-967/172, 4-5=-967/172, 5-6=-1228/239, 2-10=-753/226, TOP CHORD

6-8=-753/226

9-10=-117/1048, 8-9=-117/1048 BOT CHORD

WEBS

4-9=-21/469, 5-9=-257/151, 3-9=-257/151

### NOTES-

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) \* This truss has been designed for a live load of 20.0psf 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) 10, 8.

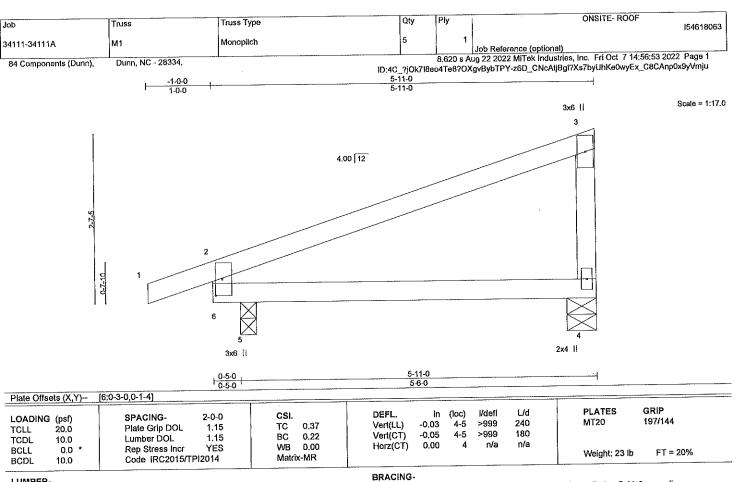
036322 A. GILB The Grant October 11,2022

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 (ev. 5/19/2020 BEFORE USE. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE Nat-747-RV. 5192020 BEFORE USE.

Design valid for use only with MTD460 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 a truss system. Before use, the building design 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, Sulte 203 Waldorf, MD 20601



818 Soundside Road Edenton, NC 27932



TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

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

2-6; 2x4 SP No.3

REACTIONS.

(size) 4=0-5-8, 5=0-3-0

Max Horz 5=86(LC 7)

Max Uplift 4=-28(LC 10), 5=-69(LC 6) Max Grav 4=195(LC 1), 5=324(LC 1)

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

TOP CHORD 2-6=-265/169

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 toad of 20.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.



Structural wood sheathing directly applied or 5-11-0 oc purlins,

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

except end verticals.

🚵 WARNING - Verify design paratimeters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE Mil-7473 (ev. 5/19/2020 REFORE USE. WARNING - Verify design parameters and MEAD NOTES ON THIS AND INCLUDED INTER REPERCEINCE PAGE (air-747-16%, 319/2020 BEFORE OSE.)

Design valid for use only with MTIEK® 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 a truss systems. 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 anage. 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



818 Soundside Road

ONSITE- ROOF Qty Ply Job Truss Truss Type 154618064 Jack-Partial Supported Gable M1E 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:54 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8ec4Te8?OXgvBybTPY-RlnMPjdce1JXN962hlTjDYBEtMcMjfOLPRYZTbyVmjt

Scale = 1:11.8

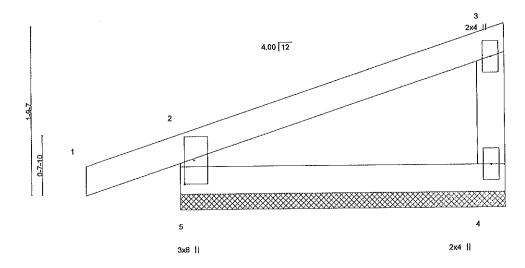


Plate Offsets (X,Y)	[5:0-3-0,0-1-4]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOI. 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.10 BC 0.08 WB 0.00 Matrix-R	DEFL. in (loc) I/defl L/d PLATES GRIP  Vert(LL) -0.00 1 n/r 120 MT20 197/144  Vert(CT) 0.00 1 n/r 90  Horz(CT) 0.00 4 n/a n/a Weight: 14 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

WEBS 2x4 SP No.3

REACTIONS. (size) 5=3-5-8, 4=3-5-8

Max Horz 5=57(LC 7) Max Uplift 5=-52(LC 6), 4=-16(LC 10)

Max Grav 5=208(LC 1), 4=114(LC 1)

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

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; 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.
- \* This truss has been designed for a live load of 20.0psf 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, 4.

SEAL 036322 Timanin October 11,2022

Structural wood sheathing directly applied or 3-5-8 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 MI-7473 (ev. 5/19/2020 BEFORE USE. WARNING - Verily design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIT-74-7 NV 5/13/2020 DEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an inclindual 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 anage. 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 ONSITE- ROOF Ply Truss Type Truss Job 154618065 34111-34111A M2 Monopitch Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:55 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-vVKkd3dQPKRO\_JhEF?\_ymljJ?mr2S50Ve5l7?1yVmjs 8-11-0 3-7-6 5-3-10 5-3-10 Scale = 1:22.8 2x4 [] 4 4.00 12 2x4 < 0-Z-10 4x6 li 8-6-0 GRIP PLATES DEFL. (loc) l/defl in CSI. LOADING (psf) SPACING-2-0-0 197/144 240 MT20 -0.14 5-6 >689 Vert(LL) Plate Grip DOL 1.15 TC 0.46 TOLL 20.0 >366 180 -0.275-6 Veri(CT) Lumber DOL 1.15 BC0.57 TODL 10.0 0.00 n/a YES WB 0.10 Horz(CT) Rep Stress Incr 0.0 BCLL Weight: 39 lb FT = 20% Code IRC2015/TPI2014 Matrix-MS 10.0 BCDL BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 except end verticals.

BOT CHORD

2x4 SP No.2 or 2x4 SPF No.2 **BOT CHORD** 

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

2-7: 2x4 SP No.3

(size) 5=0-5-8, 6=0-3-0 REACTIONS.

Max Horz 6=111(LC 6) Max Uplift 5=-56(LC 10), 6=-66(LC 6)

Max Grav 5=320(LC 1), 6=438(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-385/87, 2-7=-335/173 TOP CHORD

BOT CHORD

6-7=-10/318, 5-6=-158/318 WEBS 3-5=-343/193

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 20,0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.

MORT SEAL 036322 A. G۱۱ Mar Girin October 11,2022

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

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTER REFERENCE PAGE MII-7473 (eV. 5/19/2020 BEFORE USE) WARNING - Yeniy design parameters and READ NOTES ON THIS AND INCLUDED (AITER REFERENCE PAGE MIL-7472 NV. 5/192/202 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 anage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



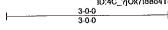
818 Soundside Road Edenlon, NC 27932

ONSITE- ROOF Qly Ply Truss Type Job Truss 154618066 Monopitch Supported Gable 34111-34111A M2E Job Reference (optional)

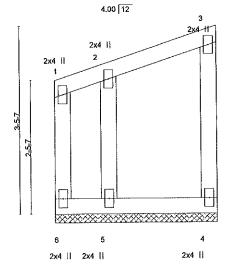
84 Components (Dunn),

Dunn, NC - 28334,

8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:56 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-Ohu6qPe2AeaFcTGRojVBJzGal9InBZXesI1gYUyVmjr



Scale = 1:20.4



BRACING-

TOP CHORD

**BOT CHORD** 

		'						_
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING-         2-0-0           Plate Grip DOL         1.15           Lumber DOL         1.15           Rep Stress incr         YES           Code IRC2015/TPI2014	CSI. TC 0.10 BC 0.09 WB 0.02 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0,00	(loc) - - 4	I/defl n/a n/a n/a n/a	L/d 999 999 n/a	

**PLATES** GRIP 197/144 MT20

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

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

except end verticals.

FT = 20% Weight: 20 lb

LUMBER-

REACTIONS.

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 WERS

2x4 SP No.3 OTHERS

(size) 6=3-0-0, 4=3-0-0, 5=3-0-0

Max Horz 6=100(LC 7)

Max Uplift 6=-27(LC 8), 4=-28(LC 7), 5=-93(LC 7) Max Grav 6=125(LC 7), 4=65(LC 1), 5=136(LC 1)

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

## NOTES-

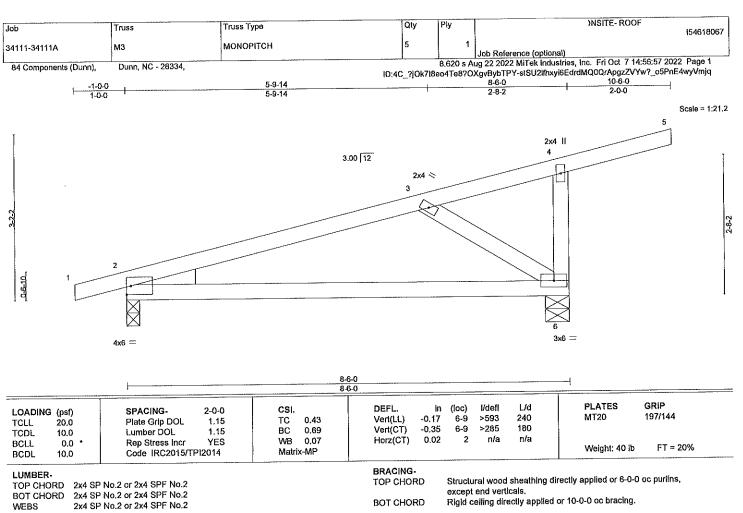
- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For 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.
- 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 20.0psf 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) 6, 4, 5.



WARRING - Venty dissign parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. \$/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 be personal injury and properly manage. For general guidance regarding the abdition, storage, delivery, erection and bracing of inuses and truss systems, see ANSHTPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





WEDGE

Left: 2x4 SP No.3

REACTIONS.

(size) 2=0-3-0, 6=0-5-8 Max Horz 2=97(LC 7)

Max Uplift 2=-57(LC 6), 6=-86(LC 10) Max Grav 2=381(LC 1), 6=476(LC 1)

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

TOP CHORD 2-3=-357/78 **BOT CHORD** 2-6=-81/322 WEBS 3-6=-378/139

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone, cantilever left and right exposed; end vertical left and right exposed; 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 20.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

WATH CARO SEAL 036322 A. GILB MA. GILLA October 11,2022

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 (ev. 9/19/2020 BEFORE USE, WARNING - Young design parameters and REAU NOTES ON THIS AND INCLUDED MILES REPERCINCE PAGE MIL-1/1/16V, STISPING DEFORE 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 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 end permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly manage. For general guildance regarding the fabrication, storage, delivery, erection and bracing of Inusses and truss systems, see

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



818 Soundside Road Edenton, NC 27932

NSITE- ROOF Oty Ply Job Truss Truss Type 154618068 MONOPITCH SUPPORTED мзе 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:58 2022 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-K40tF5gJiFqzrnQpw8XfOOLtYzy0TTVxK3WncMyVmjp 10-6-0 8-6-0 -1-0-0 2-0-0 1-0-0 8-6-0 Scale = 1:21.2 2x4 || 5 3.00 12 2x4 || 2x4 || 0.6-10 7 3x6 == 2x4 || 2x4 || 2x4 | 3x8 ||

Plate Offsets (X,Y)	[2:0-0-0,0-1-4], [2:0-3-0,Edge]							T	
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 0.31 BC 0.16 WB 0.06 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.01 -0.01 -0.00	(loc) 6 6 7	l/defi n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 39 lb	GRIP 197/144 FT = 20%

**BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 WEBS

2x4 SP No.3 OTHERS

WEDGE

Left: 2x4 SP No.3

REACTIONS. All bearings 8-6-0.

(lb) - Max Horz 2=98(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 8, 9

Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 7=294(LC 1);

9=374(LC 1)

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

TOP CHORD WEBS

5-7=-275/205 3-9=-281/174

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; 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.
- Gable requires continuous boltom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) 7, 2, 8, 9.



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 dissign parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (69). 5/19/2020 BEFORE USE, Design valid for use only with MTIGNO 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 anage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of frussos and truss 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 20001



ONSITE- ROOF Qty Truss Type Ply Truss Job 154618069 10 PB1 GABLE 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:56:59 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?;Ok7i8eo4Te8?OXgvBybTPY-oGaFSQhxTZypTw?0Ur2uwbu5cNGJOwd4ZjGK8oyVmjo 2-11-8 2-11-8 Scate = 1:20.2 3x6 = 12,00 12 감물 3x6 = 3x6 = Plate Offsets (X,Y)-- [3:0-3-0,Edge] **PLATES** GRIP DEFL in (loc) 1/deft 1/dSPACING-CSI. LOADING (psf) 2-0-0 197/144 999 MT20 TC 0.10 Vert(LL) n/a n/a Plate Grip DOL 1.15 20.0 TCLL. 999 вс 0.29 Vert(CT) n/a n/a Lumber DOL 1.15 TCDL 10.0 WB 0.00 Horz(CT) 0.00 5 n/a n/a YES BCLL 0.0 Rep Stress Incr Weight: 19 lb FT = 20% Matrix-P Code IRC2015/TPI2014 10.0 **BCDL** 

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-11-0 oc purlins.

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

REACTIONS. All bearings 5-11-0.

(lb) - Max Horz 1=-57(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) except 1=-157(LC 17), 5=-124(LC 18), 2=-146(LC 10), 4=-117(LC

Max Grav All reactions 250 ib or less at joint(s) 1, 5 except 2=358(LC 17), 4=328(LC 1)

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

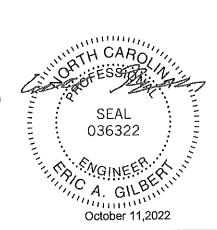
### NOTES-

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

- Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For 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) Gable requires continuous bottom chord bearing.

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

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- b) This truss has been designed for a five load of 20.0psf 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) Bearing at joint(s) 5, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 1, 124 lb uplift at joint 5, 146 lb uplift at joint 2 and 117 lb uplift at joint 4.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARRING - 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 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 paramenent 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 insisses and firsts 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



ONSITE- ROOF Qty Pły Truss Truss Type Job 154618070 GABLE 1 34111-34111A P81E Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:00 2022 Page 1 Dunn, NC - 28334. 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-GS8dgmhZEt4g54ZC1Za7TpRGNng87NcEnN?uhFyVmjn Scale = 1:20.3 4x6 = 3 12.00 12 1212 4 6 3x6 === 3x6 = 2x4 | 5-11-0 **PLATES** GRIP DEFL. (loc) l/defl L/d LOADING (psf) SPACING-2-0-0 in 197/144 MT20 Vert(LL) n/a n/a 999 Plate Grip DOL 1.15 TC 0.10 20.0 TCLL 999 вс 0.06 Vert(CT) n/a n/a 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: 23 lb Code IRC2015/TPI2014 Matrix-P BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 5-11-0 oc purlins. TOP CHORD TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2

BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

2x4 SP No.3 OTHERS

BOT CHORD

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

REACTIONS. All bearings 5-11-0.

Max Horz 1=57(LC 7) (lb) -

Max Uplift All uplift 100 to or less at joint(s) except 1=-155(LC 17), 5=-123(LC 18), 2=-161(LC 10), 4=-139(LC

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 2=290(LC 17), 4=265(LC 18)

FORCES. (ib) - 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; Vull=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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 five load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tail by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 5, 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 1, 123 lb uplift at joint 5, 161 lb uplift at joint 2 and 139 lb uplift at joint 4.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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



LONSITE- ROOF Qly Ply Truss Type Job Truss 154618071 34111-34111A PB2 GABLE Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:01 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-kfi?l6iB?ACXiE8ObG5M00zPSA?qspwN01IRDhyVmjm Dunn, NC - 28334, 84 Components (Dunn), 6-10-8 9-5-0 Scale = 1:33.6 4x6 = 2x4 II 9.00 12 2x4 || 14 å 3x6 = 2x4 || 2x4 || 9-5-0 9-5-0 **PLATES** GRIP DEFL. I/defl L/d LOADING (psf) SPACING-2-0-0 CSI. in (loc) 197/144 0,21 Verl(LL) n/a n/a 999 MT20 Plate Grip DOL 1.15 TC 20.0 TCLL 999 8C 0.09 Vert(CT) n/a n/a Lumber DOL 1.15 TCDL 10.0 WB 0.08 Horz(CT) -0.00n/a n/a Rep Stress Incr YES BCLL 0.0 Weight: 43 lb FT = 20%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.2 or 2x4 SPF No.2 except end verticals. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 BOT CHORD WEBS **OTHERS** 2x4 SP No.3

REACTIONS. All bearings 9-5-0.

(lb) - Max Horz 1=136(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 1, 6 except 8=-125(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 1, 6, 2 except 7=256(LC 17), 8=343(LC 17)

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

WEBS 3-8=-271/175

### NOTES-

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For 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.
- Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 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 20.0psf 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) Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6 except (jt=lb) 8=125
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

SEAL 036322

October 11,2022

WARRING - Venify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7472 Iov. \$/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 bucking 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 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



ONSITE- ROOF Qty Truss Type Truss Job 154618072 34111-34111A PB2E GABLE Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:02 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-CrGN6SjpmUKOKOjb9\_cbYEWccaMubGgXFhU?i7yVmJl Dunn, NC - 28334, 84 Components (Dunn). 6-10-8 9-5-0 6-10-8 Scale = 1:33,6 4x6 = 5 2x4 | 2x4 | 2x4 || 6 9.00 12 2x4 || 5-1-14 7.13 8 ó 4 ·X×xxxxxxxxxxxxxxxxxxxxxxxxxxx 3x6 = 3x6 = 2x4 | 2x4 || 2x4 | 9-5-0 GRIP DEFL. l/defl Ud **PLATES** LOADING (psf) SPACING-2-0-0 CSI. 197/144 Vert(LL) n/a n/a 999 MT20 Plate Grip DOL 1.15 TC 0.12 20.0 TCLL ВС 0.04 Vert(CT) n/a n/a 999 1.15 TCDL 10.0 Lumber DOL WB 0.04 Horz(CT) -0.00 8 n/a n/a YES Rep Stress Incr **BCLL** 0.0 Weight: 52 lb FT = 20% Matrix-P Code IRC2015/TPI2014 BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD except end verticals. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 Rigid ceiling directly applied or 10-0-0 oc bracing 2x4 SP No.3 BOT CHORD WEBS **OTHERS** 

2x4 SP No.3

REACTIONS. All bearings 9-5-0.

Max Horz 1=136(LC 7) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 2, 9, 10, 11

Max Grav All reactions 250 lb or less at joint(s) 1, 8, 2, 9, 10, 11

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=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For 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.
- 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.
- \* This truss has been designed for a live load of 20.0psf 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) Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 2, 9, 10, 11.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



A WARMING - Verify divelop parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 5/19/2020 BEFORE USE. WARRIERS - verily design perseneters and READ NOTES ON THIS ARD INCLUDED INTER REFERENCE PAGE MILTATION, STEADOR BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon persenters shown, and is for an individual building component, not a lruss 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 its always required for stability and to prevent collapse with possible personal injury and properly anage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of finuses 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



9 ONSITE- ROOF Job Truss Type Qty ₽ly Truss 154618073 34111-34111A PB3 Piggyback Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:04 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-9EN8W8k4l5a6ZitzGOe3dfbwiO1Z39hpi7z5qOyVmjj 6-10-8 Scale = 1:33.6 4x6 = 2x4 | 9.00 12 2x4 [] 17. ģ 4 3x6 = 2x4 || 2x4 | 2x4 || 9-3-0 **PLATES** GRIP SPACING-CSI. DEFL. ín (loc) l/defi L/d LOADING (psf) 2-0-0 197/144 MT20 Plate Grip DOL 1.15 TC 0.21 Vert(LL) n/a n/a 999 TCLL 20.0 ВС n/a 999 Lumber DOL 1,15 0.09 Vert(CT) n/a TCDL 10.0 -0.00 6 Rep Stress Incr YES WB 0.08 Horz(CT) n/a n/a **BCLL** 0.0 FT = 20% Weight: 43 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.2 or 2x4 SPF No.2 except end verticals. BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3 **OTHERS** 2x4 SP No.3 REACTIONS. All bearings 9-3-0.

(lb) - Max Horz 1=137(LC 7)

Max Uplift All uplift 100 ib or less at joint(s) 1, 6, 7 except 8=-125(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 1, 6, 2 except 7=251(LC 17), 8=343(LC 17)

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

WEBS 3-8=-271/176

### NOTES-

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For 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.
- Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 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 20.0psf 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) Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) 1, 6, 7 except (II=Ib) 8=125.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Venty design (strainleters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 lev. 5/19/2020 REFORE 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 designar 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 were and/or chord members only. Additional temporary and permanent bracing is shways required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, defluyr, srection and bracing of trusses and truss systems, see

ANSITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



INSITE- ROOF Qty Ply Job Truss Truss Type 154618074 13 PB6 Piggyback 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:05 2022 Page 1 84 Components (Dunn), Dunn, NC - 28334, ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-dQxWjUli3PizBrS9q69lAs86xoMKocxzxljfMSyVmji 13-9-0 6-10-8 6-10-8 6-10-8 Scale = 1:32.7 4x6 = 9.00 12 2x4 || 2x4 || 3x6 == 8 10 3x6 == 2x4 | 2x4 || 2x4 1i GRIP L/d PLATES CSI. DEFL. in (loc) Vdeft LOADING (psf) SPACING-2-0-0 197/144 999 MT20 Vert(LL) n/a n/a 0.17 TC TCLL 20.0 Plate Grip DOL 1.15 n/a 999 вс Vert(CT) n/a 0.12 TCDL 10.0 Lumber DOL 1 15 n/a Horz(CT) 0.00 n/a WB 0.08 0.0 Rep Stress Incr YES **BCLL** FT = 20% Weight: 55 lb Code IRC2015/TPI2014 Matrix-S BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc puriins. Rigid ceiling directly applied or 10-0-0 oc bracing. TOP CHORD TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

2x4 SP No.2 or 2x4 SPF No.2

BOT CHORD

OTHERS 2x4 SP No.3

REACTIONS. All bearings 13-9-0.

Max Horz 1=104(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 10=-114(LC 10), 8=-113(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6 except 9=254(LC 1), 10=315(LC 17), 8=314(LC 18)

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=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 6) 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 20.0psf 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 except (jt=lb) 10=114, 8=113.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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. Bracking indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and parameter buckling of individual truss web and/or chord members only. Additional temporary and parament bracking is always required for stability and to prevent collapse with possible personal injury and properly amage. For general guidance regarding the fabrication, 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



ob	Truss	Truss Typ	e	Qty	Ply	'			OOR - STISNC	F I54618075
14111-34111A	PB6E	Piggybacl	K	1		1				10 10 10 10
0.1.0	D NO CORSA					30 o Aug	ob Refere	ence (optional)	Inc. Eri Oct 7.1	1:57:07 2022 Page 1
84 Components (Dunn),	Dunn, NC - 28334,			ID:4C ?iOk7!8e	۰۵.۵ (04Te87O	zu s Αυς ΚανΒνbΤ	PY-Zo3G	i8Anya0yhQ9cYy	CmFHDUFb38C	XzGOzCmRLyVmjg
		6-10-8				1	3-9-0		····	
	1	6-10-8				6	-10-8			
				4x6 =						Scale = 1:31.1
				5						
Ī	Ī			$\triangle$						
		9.00 12			6					
		9.00   12	4/5/							
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5-1-14 0-1-10	1	//	/					7		
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	3x6 =	14	13	12	11		10	3x6	=	
				13-9-0						
				13-9-0						
	0010110		001	DEFL.	in (	lan) l	/defl	L/d	PLATES	GRIP
LOADING (psf) TCLL 20.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI. TC 0.06	Vert(LL)	n/a	(100)		999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	n/a	-		999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	8		n/a		
BCDL 10.0	Code IRC2015/TPI		Matrix-S	. ,					Weight: 64 lb	FT = 20%
				BRACING-						
LUMBER-	In O an Out COC No. 2			TOD CHOS	ם מ	taictura	l wood st	eathing directly	anolied or 6-0-0	oc purlins.

BOT CHORD

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

BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

**OTHERS** 2x4 SP No.3

REACTIONS. All bearings 13-9-0.

(lb) - Max Horz 1=-104(LC 6)

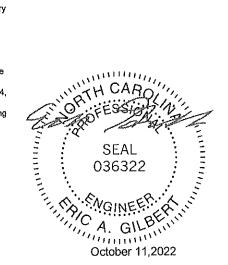
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 2, 8, 13, 14, 11, 10 Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 8, 12, 13, 14, 11, 10

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; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

  4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf 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) 1, 9, 2, 8, 13, 14, 11, 10,
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



🚵 WARNING - Venify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 9/19/2020 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 its 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



				Qty	Ply		) ONSITE- ROOF	
Job	Truss	Truss Type		Luty	ן ייי		70(18.12 1100)	154618076
34111-34111A	V1	GABLE		1	1		- B	İ
210	D NO 20224			1	3 620 s At	Job Reference (option op 22 2022 MiTek Indu	nai) ustries, Inc. Fri Oct 7 14:5	57:09 2022 Page 1
84 Components (Dunn),	Dunn, NC - 28334,		ID:40	?jOk718eo	4Te8?OX	gvBybTPY-V8B1ZroC	6eCPgTtx3yEEKiInDPkfk	00ZsHhsVDyVmje
	<u></u>	9-11-11		21	-2-9 2-14			
	1	9-11-11		11.	2-14			
			4x6 =					Scale = 1:67.5
	1.2.14	12.00 12	6	8	9	10	SEAL 0363:	ROLL 22
			40 40 47	16	15	3x6 ∜ 14 13	",,,A. G	11 11 11 11 11 11 11 11 11 11 11 11 11
	24	23 22 21 20	19 18 17	16	15	14 13	.011111	111
			3x6 == 21-2-9			4		
			21-2-9			1		
LOADING (psf) TCLL 20.0 TCDL 10.0	Plate Grip DOL 1	0-0 <b>CSI.</b> .15 TC 0.16 .15 BC 0.10	DEFL. Vert(Ll Vert(C	ŕ) n/a	` ;	l/defl L/d n/a 999 n/a 999	PLATES MT20	GRIP 197/144
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Y Code IRC2015/TPI20	ES WB 0,20  4 Matrix-S	Horz(C	T) 0.01	12	n/a n/a	Weight: 161 lb	FT = 20%
BOT CHORD 2x4 SP I WEBS 2x4 SP I	No.2 or 2x4 SPF No.2 No.2 or 2x4 SPF No.2 No.3 No.2 or 2x4 SPF No.2		BRACI TOP C BOT C WEBS	HORD	except o	end verticals. Hiling directly applied	irectly applied or 6-0-0 or or 10-0-0 oc bracing. 6-19, 5-20, 7-17	oc purlins,
	arings 21-2-9.							

Max Uplift All uplift 100 lb or less at joint(s) 24, 19, 20, 21, 22, 17, 16, 15, 14, 13 except 12=-151(LC 9),

23=-173(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 24, 12, 20, 21, 22, 23, 17, 16, 15, 14, 13 except 19=372(LC

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

TOP CHORD 5-6=-272/302, 6-7=-272/303, 11-12=-268/234

WEBS 6-19=-368/267

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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) Gable requires continuous bottom chord bearing.
- 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 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 19, 20, 21, 22, 17, 16, 15, 14, 13 except (jt=lb) 12=151, 23=173.

October 11,2022



DNSITE- ROOF Truss Type Qly Ply Job Truss 154618077 Valley 34111-34111A V2 Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:13 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-OyQXPDrjAsjq843ilnJAVYTSS04AgDi8nuf4e?yVmja 9-8-14 Scale = 1:58.6 4x6 == 12.00 12 -6 å 3x6 \ 3x6 🥢 10 q 5x6 = 19-5-12 0-0-4 Plate Offsets (X,Y)-- [10:0-3-0,0-3-0] PLATES GRIP DEFL. Vdefl L/d CSI. SPACING-2-0-0 LOADING (psf) 197/144 Vert(LL) n/a n/a 999 MT20 Plate Grip DOL TC 0,20 1.15 TCLL 20.0 BC Vert(CT) n/a n/a 999 0.19 TCDL 10.0 Lumber DOL 1.15 Horz(CT) 0.01 n/a n/a WB 0.15 BCLL 0.0Rep Stress Incr YES

LUMBER-

10.0

BCDL

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD

2x4 SP No.2 or 2x4 SPF No.2 OTHERS

**BRACING-**TOP CHORD BOT CHORD

WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 4-10

Weight: 101 lb

REACTIONS. All bearings 19-5-4.

(lb) - Max Horz 1=-198(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) 7 except 1=-109(LC 8), 11=-189(LC 10), 12=-133(LC 10), 9=-188(LC

Matrix-S

11), 8=-134(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=385(LC 20), 11=442(LC 17), 12=272(LC 17), 9=442(LC 18), 8=273(LC 18)

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

Code IRC2015/TPI2014

TOP CHORD 1-2=-277/174

3-11=-312/238, 5-9=-312/238 WEBS

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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) Gable requires continuous bottom chord bearing.

- 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 20.0psf 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 to uplift at joint(s) 7 except (jt=lb) 1=109, 11=189, 12=133, 9=188, 8=134.



FT = 20%

🚵 WARMING - Verify dusign parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 (ev. 5/19/2020 BEFORE USE. Design valid for use only with MTck® 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 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 amage. For general guidance regarding the fabrication, storage, delivery, areaction 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, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



ONSITE- ROOF Job Truss Type Oly Ply Truss 154618078 V3 Valley 34111-34111A Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:15 2022 Page 1 ID:4C\_7jOk7l8eo4Te870XgvBybTPY-KLYlpvtziUzYOOD4QCLeazYojqmh871REC8BjtyVmjY Dunn, NC - 28334, 84 Components (Dunn), Scate = 1:50.1 4x6 = 3 12.00 12 2x4 || Ş. 3x6 📏 3x6 4 7 6 8 5x6 = 2x4 2x4 1 16-5-8 Plate Offsets (X,Y)--[7:0-3-0,0-3-0] **PLATES** GRIP SPACING-2-0-0 CSI. DEFI in (loc) l/defl L/d LOADING (psf) 197/144 Vert(LL) 999 MT20 20,Ó Plate Grip DOL 1.15 TC 0.22 n/a n/a TCLL n/a 999 TCDL 10.0 Lumber DOL 1.15 BC 0.18 Vert(CT) n/a

0.00

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

5

n/a

n/a

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

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

Weight: 80 lb

FT = 20%

LUMBER-

BCLL

BCDL

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 OTHERS 2x4 SP No.3 \*Except\*

0.0

10.0

3-7: 2x4 SP No.2 or 2x4 SPF No.2

Rep Stress Incr

Code IRC2015/TPI2014

REACTIONS. All bearings 16-5-4.

(lb) - Max Horz 1=166(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-201(LC 10), 6=-201(LC 11)

YES

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=363(LC 20), 8=467(LC 17), 6=467(LC 18)

WB 0,16

Matrix-S

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

WEBS

2-8=-327/245, 4-6=-327/245

### NOTES-

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

- 2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=201, 6=201.

SEAL 036322

VGINEER A. GILBERT

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

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and lat 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 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 property damage. For general guidance regarding the fabrication, storage, delivery, crection and bracing of incisses 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



### Scale = 1:41  ### Scale   State   State	Job	Truss	Truss Type	Qty Ply	ONSITE- ROOF !54618079
84 Components (Dunn), NC - 28334,	34111-34111A	V4	Valley		ence (optional)
G-8-14   13.5-12	84 Components (Dunn),	Dunn, NC - 28334,		8.620 s Aug 22 2022	MiTek Industries, Inc. Fri Oct 7 14:57:16 2022 Page 1
12,00   12   2x4		L	6-8-14	13-5-12	-0000 Lentillo Linistasiona apperiornasii Alaink
12.00   12   12.00   12   2x4		'	6-8-14	6-8-14	·
12.00   12   2x4			4x6 =	:	Scale = 1:41.3
2x4     2x4		6.8.14 1	12.00 T2 2x4 II	B	5
13-5-8   13-5-12		3x6 1/2	8 9 7	10 6	3x6 ∜
TCLL 20.0 Plate Grip DOL 1.15 TC 0.18 Vert(LL) n/a - n/a 999 MT20 197/144  TCDL 10.0 Lumber DOL 1.15 BC 0.16 Vert(CT) n/a - n/a 999  BCLL 0.0 * Rep Stress incr YES WB 0.10 Horz(CT) 0.00 5 n/a n/a  BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Weight: 62 lb FT = 20%		<del> </del>	13-5-8	2x4	13-5-12 0-0-4
BODE 10.0 Code INCZCIGITI IZCIT	TCLL 20.0 TCDL 10.0 BCLL 0.0 *	Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr YE	15 TC 0.18 V6 15 BC 0.16 V6 15 WB 0.10 H	ert(LL) n/a - n/a ert(CT) n/a - n/a	999 MT20 197/144 999 n/a
	BCDL 10,0	Code (RCZ015/1PIZ01			1100giii, 32 to 11 2570

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 or 2x4 SPF No.2 TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.3 \*Except\* BOT CHORD

OTHERS

3-7; 2x4 SP No.2 or 2x4 SPF No.2

REACTIONS. All bearings 13-5-4.

(lb) - Max Horz 1=-135(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-169(LC 10), 6=-169(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=339(LC 20), 8=359(LC 17), 6=359(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-8=-278/210, 4-6=-278/210 WEBS

### NOTES-

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

- 2) Wind: ASCE 7-10; Vull=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10,0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=169, 6=169.



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

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

WARRING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7472 Inv. \$/10/2020 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 collepse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Edenton, NC 27932

ONSITE- ROOF Oty Ply Job Truss Truss Type 154618080 GABLE 34111-34111A V5 Job Reference (optional) 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:17 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-Gkg2EauDE5DGdiNTXdN6fOeAGdSrc3NkhWdHnmyVmjW 10-5-12 84 Components (Dunn), Dunn, NC - 28334, 5-2-14 5-2-14 Scale; 3/8"=1" 3x6 = 3 12.00 12 2x4 || 2x4 3x6 📏 6 3x6 4 7 9 2x4 || 2x4 | 10-5-12 Plate Offsets (X,Y)-[3:0-3-0,Edge] **PLATES** GRIP CSI. DEFL. in (loc) **Vdefl** 1 /d LOADING (psf) SPACING-2-0-0 197/144 999 MT20 Plate Grip DOL 1.15 TC 0.09 Vert(LL) n/a n/a 20,0 TCLL 999 Lumber DOL 1.15 вс 0.14 Vert(CT) n/a n/a TCDL 10.0 WB 0.05 Horz(CT) 0.00 5 n/a n/a 0.0 Rep Stress Incr YES BCLL. Weight: 44 lb FT = 20% Code !RC2015/TPI2014 Matrix-S BCDL 10.0

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 2x4 SP No.2 or 2x4 SPF No.2 **BOT CHORD** 

2x4 SP No.3 OTHERS

BRACING-

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

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

REACTIONS. All bearings 10-5-12.

Max Horz 1=-103(LC 6) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) except 7=-109(LC 10), 6=-108(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=322(LC 17), 6=321(LC 18)

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

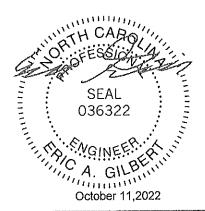
### NOTES-

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

2) Wind: ASCE 7-10; Vull=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 7 and 108 lb uplift at joint 6.



🚵 WARNING - Verify design parameters and REAO NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 (ev. 5/19/2020 BEFORE USE. Design valid for use only with MITOKO 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 ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20501



ONSITE- ROOF Job Truss Truss Type Qty Ply 154618081 Valley 34111-34111A V6 Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:18 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C ?{Ok7|Beo4Te8?OXgvBybTPY-kwDQSwvs?PL7Fryf5LuLCcAHW1oSLWmlwAMrJCyVmjV 3-8-14 Scale = 1;25.7 4x6 = 12,00 12 3 . 9. 9 3x6 N 3x6 // 2x4 || 7-5-12 **PLATES** GRIP DEFL Ľ∕d LOADING (psf) SPACING-2-0-0 CSI. ìл (loc) i/defi MT20 197/144 Vert(LL) 999 TCLL. 20,ó Plate Grip DOL 1.15 TC 0.38 n/a n/a 999 BC Vert(CT) n/a n/a TCDL 10.0 Lumber DOL 1.15 0.12 WB Horz(CT) 0.00 3 n/a n/a 0,0 Rep Stress Incr YES 0.04 BCLL Weight: 30 lb FT = 20% **BCDL** 10,0 Code IRC2015/TPI2014 Matrix-P BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD TOP CHORD 2x4 SP No.3 Rigid ceiling directly applied or 10-0-0 oc bracing. **BOT CHORD** BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

OTHERS 2x4 SP No.3

REACTIONS.

(size) 1=7-5-4, 3=7-5-4, 4=7-5-4

Max Horz 1=-71(LC 6)

Max Uplift 1=-27(LC 11), 3=-27(LC 11)

Max Grav 1=162(LC 1), 3=162(LC 1), 4=217(LC 1)

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

### NOTES

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wild fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 1 and 27 lb uplift at joint 3.

SEAL 036322

October 11,2022

WARMING - Venity design intrometers and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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 buckling of individual incus systems, see and and and and an and bracing of trusses and truss systems, see an ANSITIP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road Edenton, NC 27932

ONSITE- ROOF Truss Type Qty Ply Job Truss 154618082 Valley **V**7 34111-34111A Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:19 2022 Page 1 Dunn, NC - 28334, 84 Components (Dunn), ID:4C\_7jOk7l8eo4Te87OXgv8ybTPY-C6npfGwUmiT\_s?Wsf2PakpjWTR9X4zL19q6OseyVmjU 4-5-12 2 4x6 = Scale = 1:14.0 12.00 12 3 . 9 4 3x6 N 3x6 4/ 2x4 || **PLATES GRIP** SPACING-CSI DEFL. in (ioc) I/deff L/d LOADING (psf) 244/190 999 MT20 Plate Grip DOL 1.15 TC 0.11 Vert(LL) n/a n/a TCLL 20.Ó n/a n/a 999 Lumber DOL 1.15 BC 0.06 Vert(CT) TCDL 10,0 0.00 3 n/a Rep Stress Incr YES WB 0.02 Horz(CT) n/a BCLL 0,0 FT = 20% Weight: 17 lb Code IRC2015/TPI2014 Matrix-P BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 4-5-12 oc purlins. TOP CHORD TOP CHORD 2x4 SP No.3 Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD BOT CHORD 2x4 SP No.3 2x4 SP No.3 **OTHERS** 

REACTIONS. (size) 1=4-5-4, 3=4-5-4, 4=4-5-4

Max Horz 1=-40(LC 6)

Max Uplift 1=-16(LC 11), 3=-16(LC 11)

Max Grav 1=90(LC 1), 3=90(LC 1), 4=122(LC 1)

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

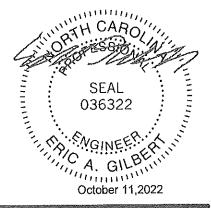
### NOTES

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

2) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 20.0psf 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 16 lb uplift at joint 1 and 16 lb uplift at joint 3.



WARRING - Venify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7472 MV. 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 property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or cherd 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, crection and bracing of trusses and truss systems, see Assigned Quidance and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



ONSITE- ROOF Qty Job Truss Truss Type Ρŀν 154618083 34111-34111A V8 Vailey Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334,

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:20 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-hJLBlcx6W0brU952ClxpH1GdErT0pO7AOUryO5yVmjT

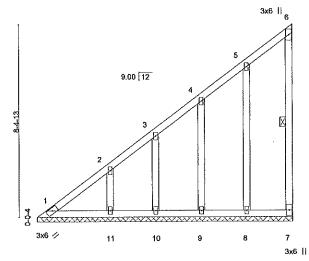
Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

1 Row at midpt

Scale: 1/4"=1"



LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.36 BC 0.17 WB 0.11	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) -0.00 7 n/a n/a	PLATES GRIP MT20 197/144 Weight: 73 lb FT = 20%
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	į	Weight: 73 lb FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 WEBS 2x4 SP No.2 or 2x4 SPF No.2

OTHERS 2x4 SP No.3 \*Except\*

5-8, 2x4 SP No.2 or 2x4 SPF No.2

REACTIONS. All bearings 11-2-6. Max Horz 1=256(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9, 10, 11 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 8, 9, 10, 11

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) All plates are 2x4 MT20 unless otherwise indicated.
- 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 20,0psf 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, 7, 8, 9, 10, 11.

G۱ The Olive

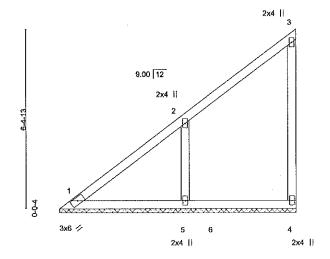
October 11,2022

WARNING - Venty design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 fov. 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 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 demage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	ONSITE- ROOF
ļ.			i	1	154618084
34111-34111A	V9	Valley	2	1	
		,			Job Reference (optional)
84 Components (Dunn),	Dunn, NC - 28334,			8.620 s A	ug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:21 2022 Page 1

Scale = 1:39.6



				7		1					1	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.ó	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	n/a	` -	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1,15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-P						Weight: 41 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

WEBS 2x4 SP No.3

OTHERS 2x4 SP No.3

(size) 1=8-6-6, 4=8-6-6, 5=8-6-6

Max Horz 1=192(LC 7)

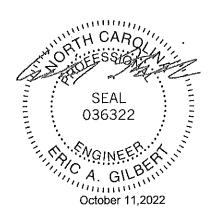
Max Uplift 1=-6(LC 6), 4=-37(LC 7), 5=-136(LC 10) Max Grav 1=157(LC 18), 4=180(LC 17), 5=459(LC 17)

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

WEBS 2-5=-317/207

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 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 20.0psf 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) 1, 4 except (jt=lb) 5=136.



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 - Verily ducing parameters and READ NOTES ON THis AND INCLUDED MITEK REFERENCE PAGE MIL-7473 co. 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 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 provent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, creation 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



818 Soundside Road Edenton, NC 27932

ONSITE- ROOF Truss Type Qty Ply Job Truss 154618085 Valley V10 1 34111-34111A

84 Components (Dunn),

Dunn, NC - 28334,

Job Reference (optional)

8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:10 2022 Page 1
ID:4C\_?jOk7i8eo4Te8?OXgvBybTPY-zNkPmBpqtxKGHdK7dfiTtwrxrp4ITugi4xQQ1gyVmjd

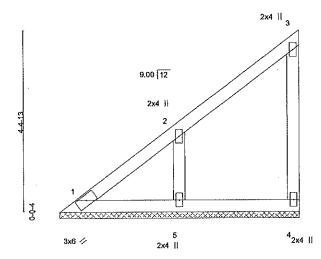
Structural wood sheathing directly applied or 5-10-6 oc purlins,

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

except end verticals.

5-10-6

Scale = 1:27.0



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 0.23 BC 0.07 WB 0.04 Matrix-P	DEFL. Vert(Li.) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 27 lb	GRIP 197/144 FT = 20%	
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BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2

2x4 SP No.3 WEBS

OTHERS 2x4 SP No.3

REACTIONS. (size) 1=5-10-6, 4=5-10-6, 5=5-10-6

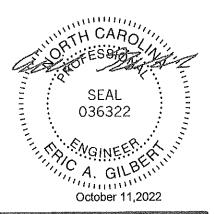
Max Horz 1=127(LC 7)

Max Uplift 1=-8(LC 6), 4=-26(LC 7), 5=-90(LC 10) Max Grav 1=99(LC 18), 4=100(LC 17), 5=277(LC 17)

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fill 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, 4, 5.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-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 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 permenent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



NSITE- ROOF Truss Type Qty Ply Job Truss 154618086 2 Valley 34111-34111A V11 Job Reference (optional) 8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:11 2022 Page 1 ID:4C\_?jOk7l8eo4Te8?OXgvBybTPY-Rain\_XqTeFT7vnvJBMGiP7O6tCOcCLbrJbAza6yVmjc 84 Components (Dunn), Dunn, NC - 28334, Scale = 1:14.9 2x4 || 2 9.00 12 94 3 2x4 | 3x6 4 **PLATES GRIP** CSI. DEFL in (loc) l/defl L/d LOADING (psf) SPACING-2-0-0 244/190 MT20 Plate Grip DOL 1.15 0,21 Vert(LL) n/a n/a 999

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

**BOT CHORD** 

n/a

0.00

LUMBER-

REACTIONS.

TCLL

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3

20.0

10.0

10.0

0,0

2x4 SP No.3 WEBS

> (size) 1=3-2-6, 3=3-2-6 Max Horz 1=63(LC 7)

Max Uplift 3=-24(LC 10) Max Grav 1=105(LC 1), 3=114(LC 17)

Lumber DOL

Rep Stress Incr

Code IRC2015/TPI2014

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

1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantillever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

BC

WB 0.00

Matrix-P

0.13

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

1.15

YES

- 4) \* This truss has been designed for a live load of 20,0psf 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) 3.

036322 October 11,2022

FT = 20%

Weight: 12 lb

999

n/a

Structural wood sheathing directly applied or 3-2-6 oc purlins,

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

n/a

n/a

except end verticals.

🛦 WARNING - Venly design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL7473 (ev. 5/19/2020 BEFORE USE. Design valid for use only with MTRAS connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designe 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 fujury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waktorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	T -7	" " " " " NSITE- ROOF		
					1		154618087	
34111-34111A	V12	GABLE	1	1				
1					Job Reference (opti			
84 Components (Dunn),	84 Components (Dunn). Dunn, NC - 28334. 8.620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:11 2022 Page 1							
- 1	,	ID;4C_?jOk7l8eo4Te8?OXgvBybTPY-Raln_XqTeFT7vnvJBMGiP7O2?CJ9CLbrJbAza6yVmjc						
		, 5-4-6			1			
		5-4-6						

2x4 II 2 9.00 12 å 

3 2x4 []

BRACING-

TOP CHORD

**BOT CHORD** 

LOADING (procedure) TCLL 20 TCDL 10	ò,	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.46 BC 0.48 WB 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	i/defi n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 197/144
BCDL 10		Code IRC2015/TPI2014	Matrix-P						Weight: 22 lb	FT = 20%

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2

BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3

(size) 1=5-4-6, 3=5-4-6

Max Horz 1=115(LC 7)

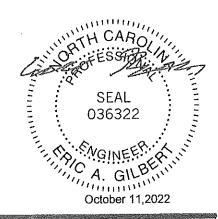
Max Uplift 3=-44(LC 10) Max Grav 1=191(LC 1), 3=209(LC 17)

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

1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3x6 4

- 2) Gable requires continuous bottom chord bearing.
- 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 20.0psf 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) 3.



Structural wood sheathing directly applied or 5-4-6 oc purlins,

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

except end verticals.

Scale = 1:24.8

A 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 BCSt Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



INSITE- ROOF Job Truss Truss Type Qty Ply 154618088 34111-34111A V13 GABLE Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334,

8,620 s Aug 22 2022 MiTek Industries, Inc. Fri Oct 7 14:57:12 2022 Page 1 ID:4C\_rjOk7lBeo4Te8?OXgvBybTPY-wms9Btr5PZbzXwUWk4nxyLw9Ace4xmZ?YEvW6YyVmjb 3-11-6

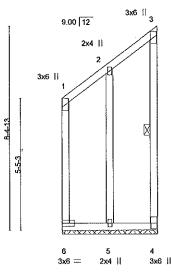
Structural wood sheathing directly applied or 3-11-8 oc purlins,

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

except end verticals.

1 Row at midpt

Scale = 1;45.6



BRACING-

TOP CHORD

BOT CHORD

WEBS

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 0.75 BC 0.56 WB 0.15 Matrix-R	DEFL. in (loc) i/defl L/d Vert(Lt) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) -0,00 4 n/a n/a	PLATES GRIP MT20 197/144 Weight: 42 lb FT = 20%
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LUMBER-

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3

2x4 SP No.3 \*Except\* WEBS

3-4: 2x4 SP No.2 or 2x4 SPF No.2

**OTHERS** 2x4 SP No.2 or 2x4 SPF No.2

REACTIONS.

(size) 6=3-11-8, 4=3-11-8, 5=3-11-8

Max Horz 6=91(LC 10)
Max Uplift 6=-53(LC 8), 4=-80(LC 10), 5=-198(LC 10)

\*\*Total Color Co Max Grav 6=245(LC 10), 4=78(LC 17), 5=220(LC 17)

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf 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) 6, 4 except (jt=lb) 5=198.



🚵 WARNING - Veniy design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7472 (ov. 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 property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801

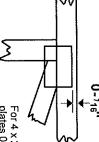


## Symbols

# 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-  $\frac{1}{2}$ % from outside edge of truss.

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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

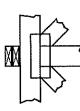
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## 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

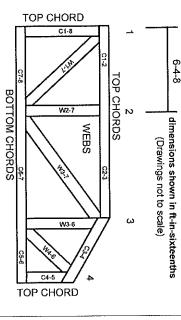
## Industry Standards:

ANSI/TPI1: National Design Specification for Metal
Plate Connected Wood Truss Construction

DSB-89: BCSI:

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

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

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Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

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