

Trenco  
818 Soundside Rd  
Edenton, NC 27932

Re: Quote\_file  
Dewitt - Anderson F

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: I49147238 thru I49147267

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



December 9, 2021

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Garcia, Juan

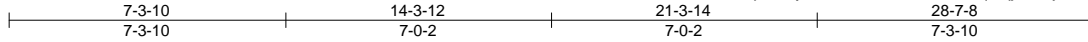
**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes),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

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147238
QUOTE_FILE	A	Common	7	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:34 2021 Page 1  
 ID:vQ6l6u4iiCAIatOQRtpQ9TyWovO-w9h?LTDD\_c8UqrsqjM0Tj63wkLRO7YSwzyxjzBFLx



Scale = 1:60.8

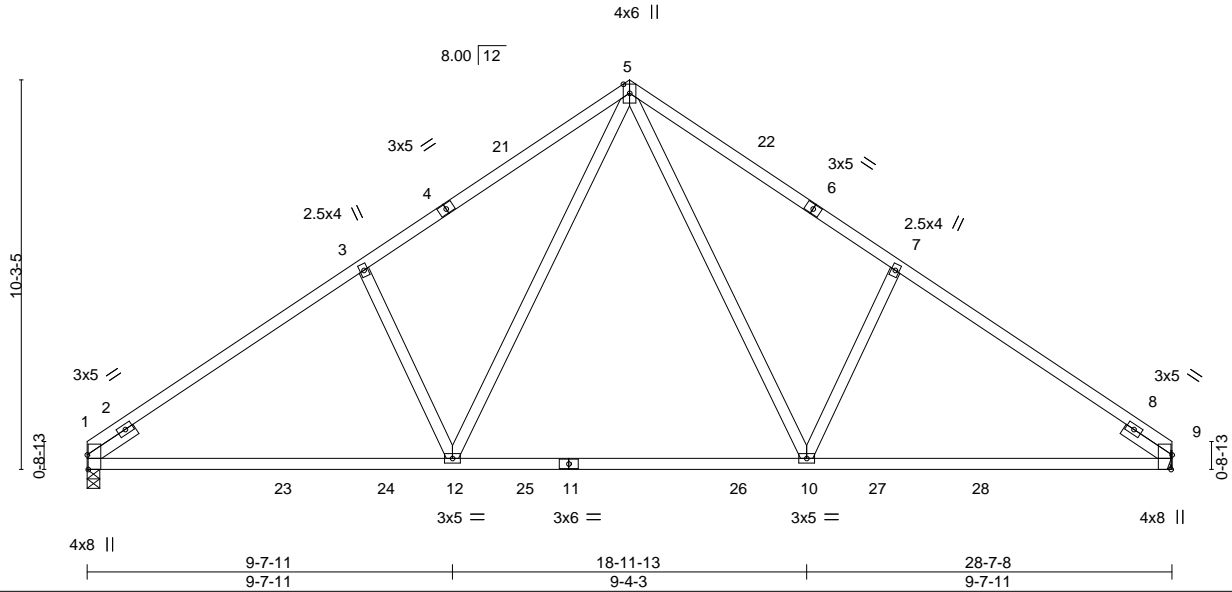


Plate Offsets (X,Y)-- [1:0-4-10,Edge], [9:0-4-10,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.66	Vert(LL)	-0.25 10-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.92	Vert(CT)	-0.39 10-12	>885	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.05 9	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 113 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-6-0, Right 2x4 SPF Stud 1-6-0

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

**REACTIONS.** (size) 1=0-4-0, 9=Mechanical  
 Max Horz 1=236(LC 9)  
 Max Uplift 1=336(LC 12), 9=336(LC 13)  
 Max Grav 1=1473(LC 19), 9=1473(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-3=-1961/483, 3-5=-1866/577, 5-7=-1866/577, 7-9=-1961/483  
 BOT CHORD 1-12=-425/1703, 10-12=-125/1096, 9-10=-286/1535  
 WEBS 5-10=-301/947, 7-10=-491/414, 5-12=-301/947, 3-12=-491/414

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-3-12, Exterior(2R) 14-3-12 to 17-3-12, Interior(1) 17-3-12 to 28-7-8 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
  - 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.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 336 lb uplift at joint 1 and 336 lb uplift at joint 9.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

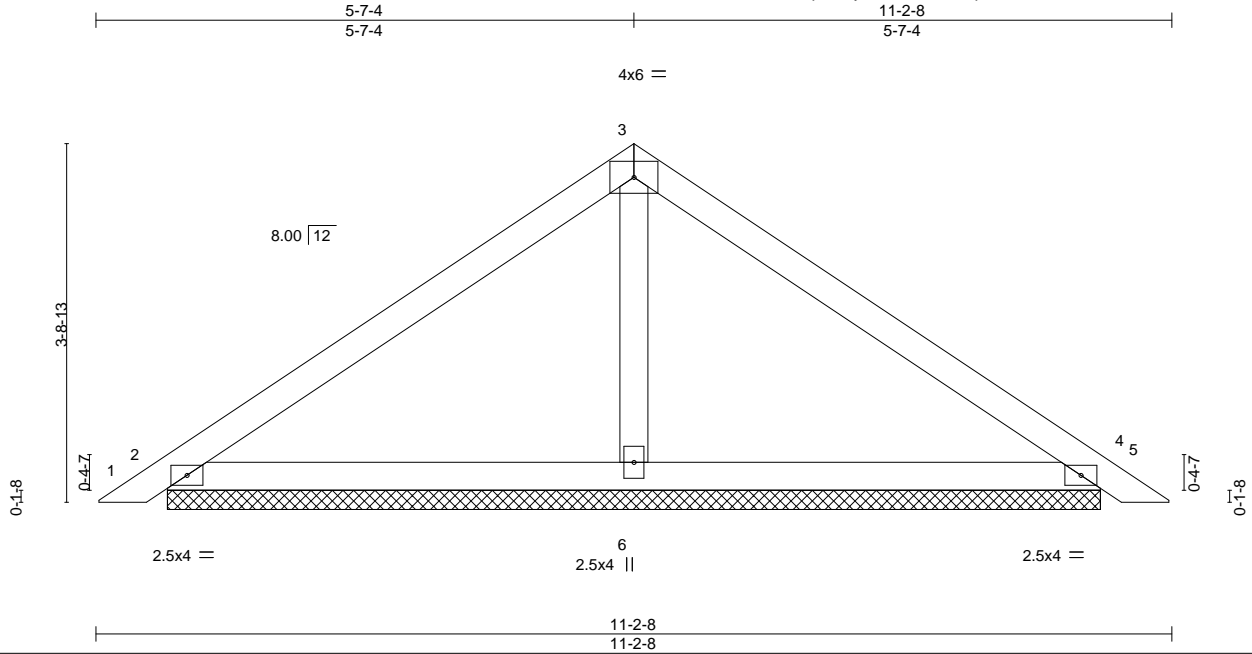
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147239
QUOTE_FILE	ACGE	Piggyback	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:35 2021 Page 1  
 ID:vQ6l6u4iiCAIatOQRtpQ9TYWovO-OMFOZpErivHLS?R0HMUF?weKs8sv7kVc9dhUGQyBFLw



Scale: 1/2"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(LL) 0.01 5 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) 0.02 5 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2018/TPI2014			Weight: 30 lb	FT = 20%

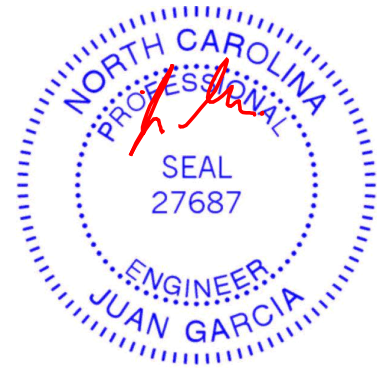
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 OTHERS 2x4 SPF Stud

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=9-8-10, 4=9-8-10, 6=9-8-10  
 Max Horz 2=88(LC 10)  
 Max Uplift 2=88(LC 12), 4=100(LC 13), 6=77(LC 12)  
 Max Grav 2=227(LC 19), 4=239(LC 20), 6=399(LC 19)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 5-7-4, Exterior(2R) 5-7-4 to 8-7-4, Interior(1) 8-7-4 to 10-11-3 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
  - Gable requires continuous bottom chord bearing.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 2, 100 lb uplift at joint 4 and 77 lb uplift at joint 6.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



December 9, 2021

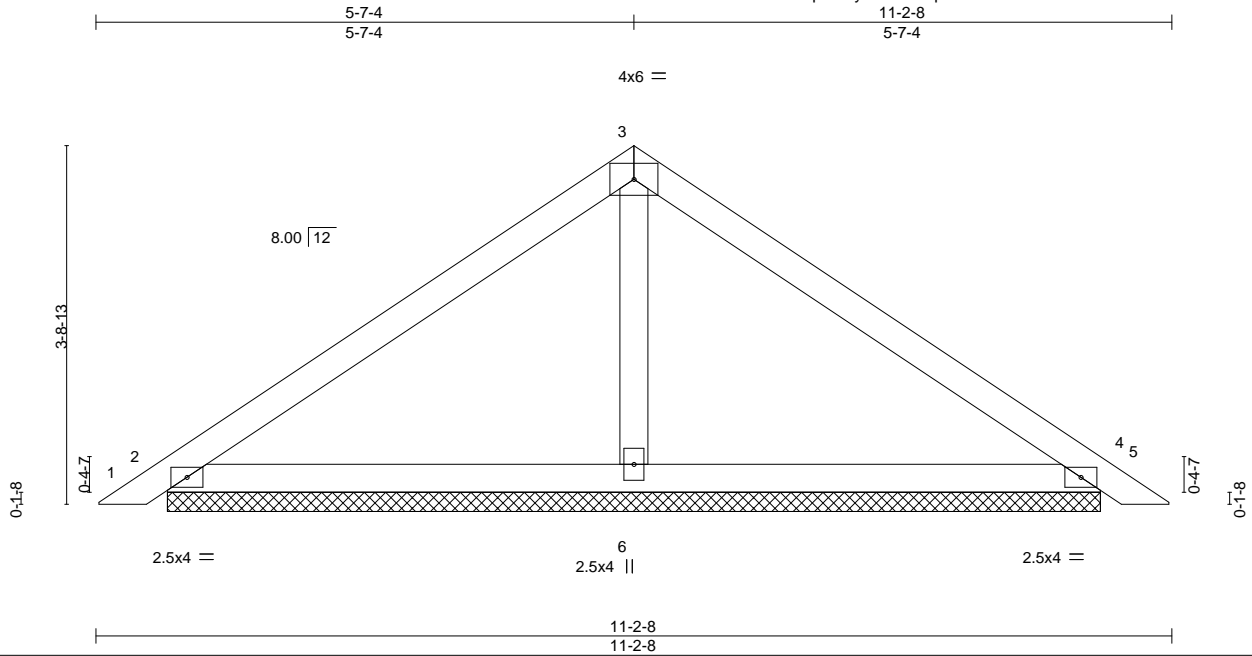
**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.**  
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before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



818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	ACP	Piggyback	25	1	149147240

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:36 2021 Page 1  
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Scale: 1/2"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(LL) 0.01 5 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) 0.02 5 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2018/TPI2014			Weight: 30 lb	FT = 20%

**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 OTHERS 2x4 SPF Stud

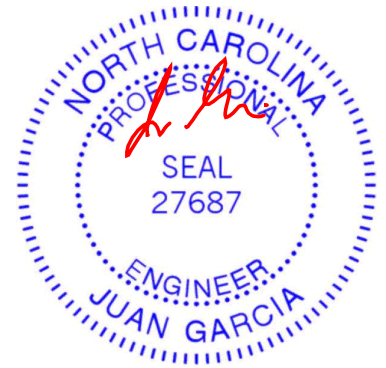
**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=9-8-10, 4=9-8-10, 6=9-8-10  
 Max Horz 2=88(LC 10)  
 Max Uplift 2=88(LC 12), 4=100(LC 13), 6=77(LC 12)  
 Max Grav 2=227(LC 19), 4=239(LC 20), 6=399(LC 19)

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

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 5-7-4, Exterior(2R) 5-7-4 to 8-7-4, Interior(1) 8-7-4 to 10-11-3 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
- Gable requires continuous bottom chord bearing.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 2, 100 lb uplift at joint 4 and 77 lb uplift at joint 6.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



December 9, 2021

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818 Soundside Road  
 Edenton, NC 27932



Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	AG	Common Girder	1	<b>2</b>	I49147241
					Job Reference (optional)

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:37 2021 Page 2  
 ID:vQ6l6u4iICAlatOQRtpQ9TyWovO-KkM8\_VG5HXX3hJbPONwj5Lkb1yOLbQPucxAbKlyBFLu

**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, 10-20=-20, 20-21=-873(F=-853), 13-21=-20

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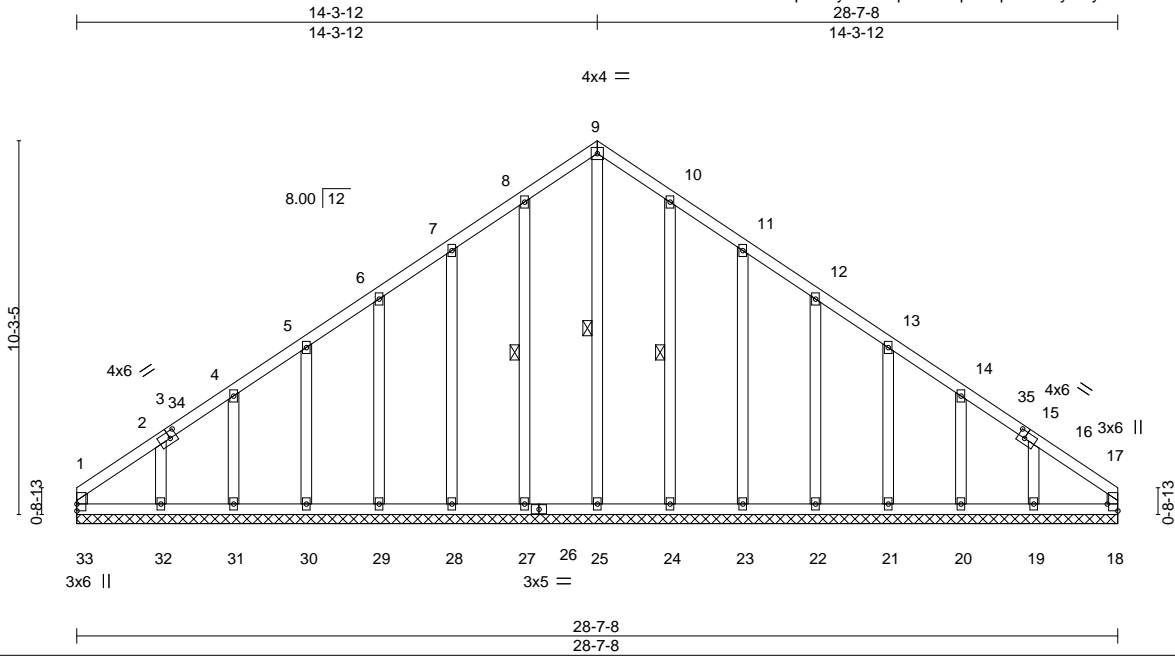
818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	AGE	Common Supported Gable	1	1	I49147242

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:38 2021 Page 1  
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Scale = 1:63.4

Plate Offsets (X,Y)-- [3:0-2-4,0-2-4], [15:0-2-4,0-2-4], [17:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.10	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.17	Horz(CT)	0.01	18	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-R					Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 9-25, 8-27, 10-24
OTHERS 2x4 SPF Stud	

**REACTIONS.** All bearings 28-7-8.  
(lb) - Max Horz 33=252(LC 9)  
Max Uplift All uplift 100 lb or less at joint(s) 33, 18, 25, 27, 31, 24, 20 except 28=112(LC 12), 29=101(LC 12), 30=110(LC 12), 32=195(LC 12), 23=113(LC 13), 22=101(LC 13), 21=110(LC 13), 19=185(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 33, 18, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20 except 25=318(LC 13), 32=276(LC 19), 19=262(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 7-8=-235/313, 8-9=-281/380, 9-10=-281/380, 10-11=-235/313  
WEBS 9-25=-322/187

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 14-3-12, Corner(3R) 14-3-12 to 17-3-12, Exterior(2N) 17-3-12 to 28-5-12 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 2.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 33, 18, 25, 27, 31, 24, 20 except (jt=lb) 28=112, 29=101, 30=110, 32=195, 23=113, 22=101, 21=110, 19=185.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



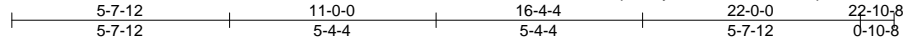
818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147243
QUOTE_FILE	B	Common	2	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:39 2021 Page 1  
 ID:vQ6l6u4iICAlatOQRtpQ9TYWovO-H7UuOAHMp8nnxclnWCyBAmp?bl9x3PRB4EfiPBByBFLs



4x6 ||

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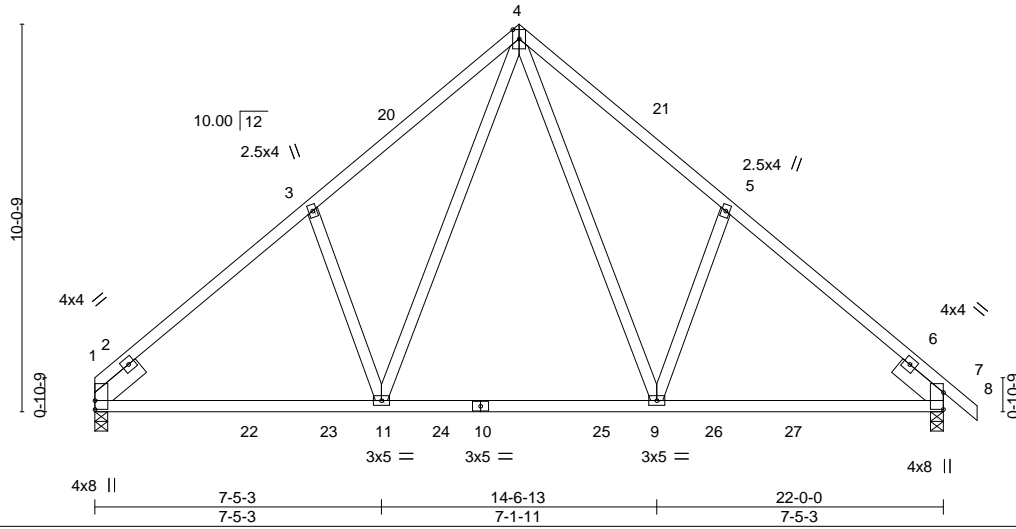


Plate Offsets (X,Y)-- [1:Edge,0-0-0], [7:Edge,0-0-0]

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.35	Vert(LL)	-0.10 9-11	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.51	Vert(CT)	-0.17 9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	0.03 7	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 100 lb	FT = 20%

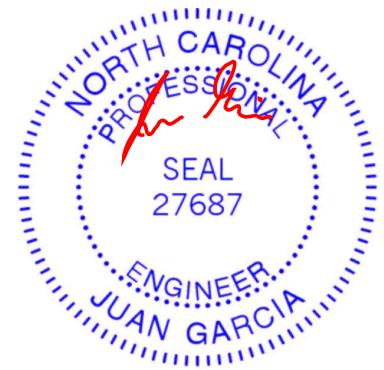
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x6 SPF 1650F 1.5E 1-6-0, Right 2x6 SPF 1650F 1.5E 1-6-0

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 4-10-9 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=0-4-0, 7=0-4-0  
 Max Horz 1=-239(LC 10)  
 Max Uplift 1=-245(LC 12), 7=-267(LC 13)  
 Max Grav 1=1115(LC 19), 7=1166(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 1-3=-1286/336, 3-4=-1248/467, 4-5=-1245/467, 5-7=-1285/335  
 BOT CHORD 1-11=-254/1055, 9-11=-29/687, 7-9=-144/932  
 WEBS 4-9=-293/702, 5-9=-373/370, 4-11=-294/707, 3-11=-376/371

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-10-8 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
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=245, 7=267.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road  
 Edenton, NC 27932

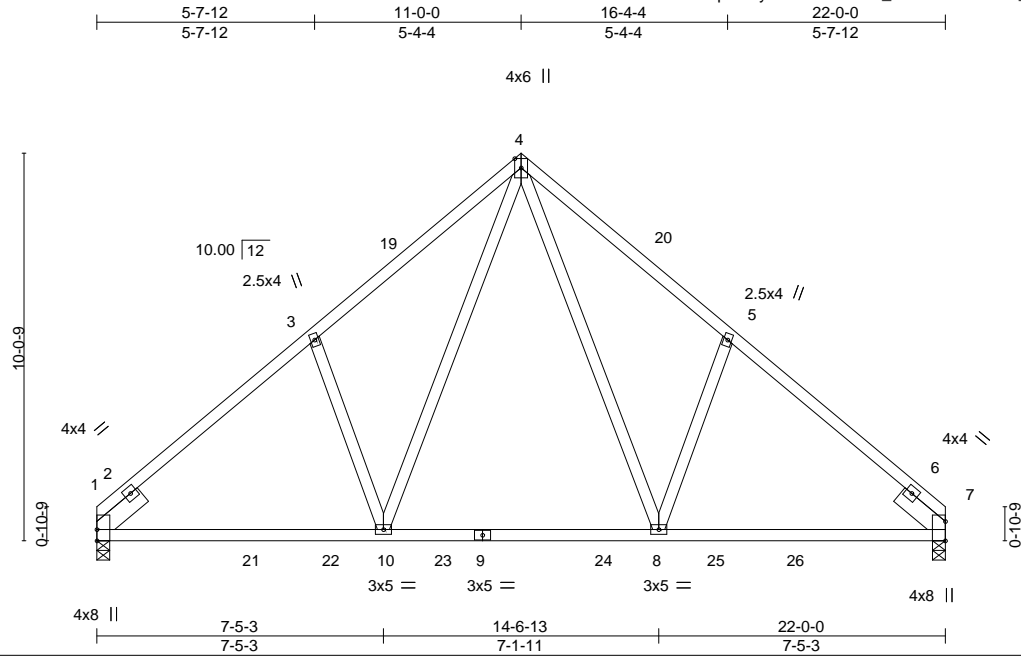


Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147244
QUOTE_FILE	B1	Common	9	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:40 2021 Page 1  
ID:vQ6l6u4iiCAIatOQRtpQ9TyWovO-IJ2HcWI\_aSveYmKz4VTQi\_MAL9VBoshLJuPFxdyBFLr



Scale = 1:59.7

Plate Offsets (X,Y)-- [1:Edge,0-0-0], [7:Edge,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.35	Vert(LL) -0.10	8-10	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.51	Vert(CT) -0.17	8-10	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(CT) 0.03	7	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS					Weight: 99 lb	FT = 20%

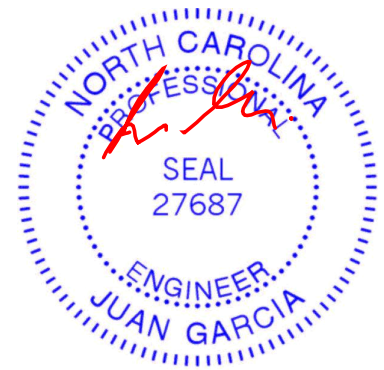
**LUMBER-**  
TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
WEBS 2x4 SPF Stud  
SLIDER Left 2x6 SPF 1650F 1.5E 1-6-0, Right 2x6 SPF 1650F 1.5E 1-6-0

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 4-10-13 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 1=0-4-0, 7=0-4-0  
Max Horz 1=227(LC 9)  
Max Uplift 1=-245(LC 12), 7=-245(LC 13)  
Max Grav 1=1116(LC 19), 7=1116(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-3=-1287/336, 3-4=-1249/467, 4-5=-1249/468, 5-7=-1287/336  
BOT CHORD 1-10=-266/1047, 8-10=-41/678, 7-8=-156/925  
WEBS 4-8=-294/706, 5-8=-376/371, 4-10=-294/706, 3-10=-376/371

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-0-0 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
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=245, 7=245.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9,2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

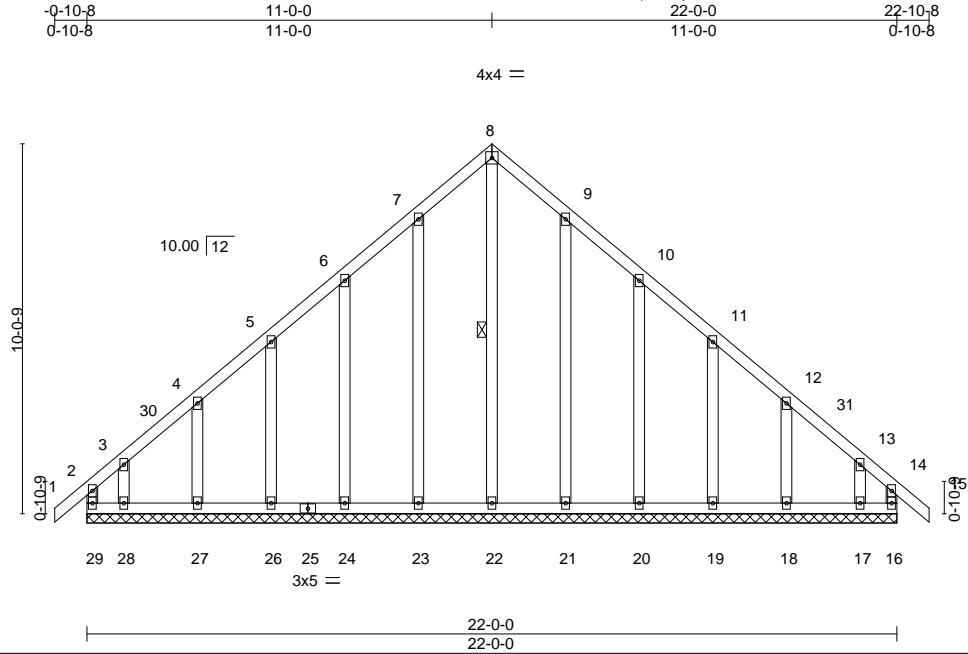
**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147245
QUOTE_FILE	BGE	Common Supported Gable	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:42 2021 Page 1  
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Scale = 1:62.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) -0.00 15 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Vert(CT) -0.00 15 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.01 16 n/a n/a		
	Code IBC2018/TPI2014			Weight: 124 lb	FT = 20%

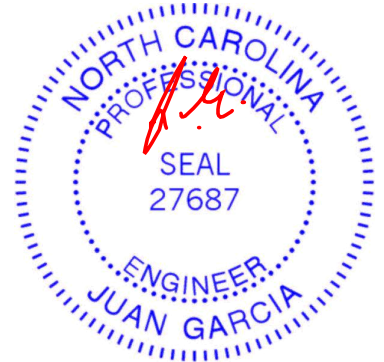
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 OTHERS 2x4 SPF Stud

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 8-22

**REACTIONS.** All bearings 22-0-0.  
 (lb) - Max Horz 29=269(LC 11)  
 Max Uplift All uplift 100 lb or less at joint(s) 22 except 29=235(LC 10), 16=168(LC 11), 23=117(LC 12), 24=136(LC 12), 26=130(LC 12), 27=120(LC 12), 28=286(LC 12), 21=116(LC 13), 20=137(LC 13), 19=129(LC 13), 18=121(LC 13), 17=266(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 23, 24, 26, 27, 21, 20, 19, 18, 17 except 29=315(LC 9), 16=262(LC 13), 22=342(LC 13), 28=287(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-298/257, 6-7=-185/271, 7-8=-250/368, 8-9=-250/368, 9-10=-185/271, 13-14=-265/195  
 WEBS 8-22=-368/193

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 11-0-0, Corner(3R) 11-0-0 to 14-0-0, Exterior(2N) 14-0-0 to 22-10-8 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 2.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 2-0-0 oc.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22 except (jt=lb) 29=235, 16=168, 23=117, 24=136, 26=130, 27=120, 28=286, 21=116, 20=137, 19=129, 18=121, 17=266.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

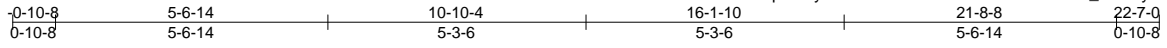


818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	C	Common	2	1	Job Reference (optional)

I49147246

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:43 2021 Page 1  
 ID:vQ616u4iiCALatOQRtpQ9TyWovO-9ukPEYKstNHDPE3YI217Kc\_idMWy?HUN?sdvYyyBFL0



4x6 ||

Scale = 1:47.1

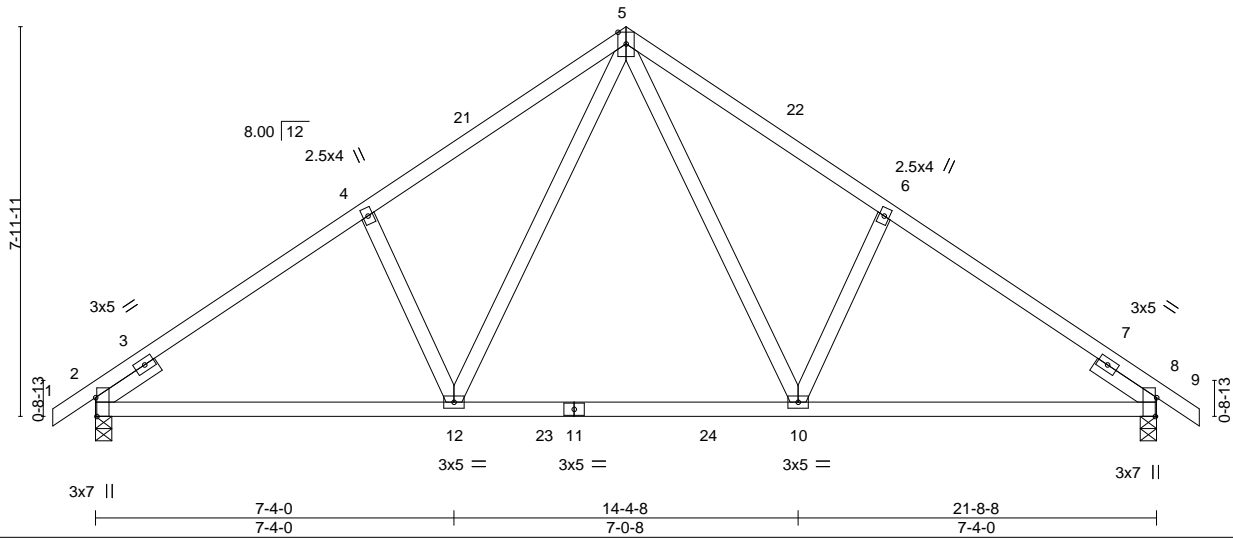


Plate Offsets (X,Y)-- [2:0-4-10,Edge], [8:0-4-10,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.28	Vert(LL) -0.11	10-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.51	Vert(CT) -0.18	10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.03	8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS					Weight: 89 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-6-0, Right 2x4 SPF Stud 1-6-0

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 4-9-9 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.**

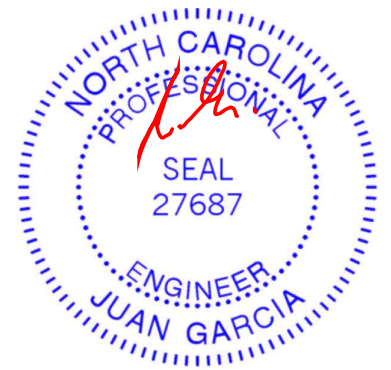
(size) 2=0-4-0, 8=0-4-0  
 Max Horz 2=-193(LC 10)  
 Max Uplift 2=-276(LC 12), 8=-276(LC 13)  
 Max Grav 2=1128(LC 19), 8=1128(LC 20)

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

TOP CHORD 2-4=-1391/361, 4-5=-1325/431, 5-6=-1325/431, 6-8=-1392/361  
 BOT CHORD 2-12=-303/1214, 10-12=-84/797, 8-10=-192/1090  
 WEBS 5-10=-224/657, 6-10=-351/309, 5-12=-224/657, 4-12=-351/309

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-10-4, Exterior(2R) 10-10-4 to 13-10-4, Interior(1) 13-10-4 to 22-7-0 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
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=276, 8=276.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147247
QUOTE_FILE	C1	Common	5	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:44 2021 Page 1  
 ID:vQ6l6u4iICAlatOQRtpQ9TyWovO-d5lnSuLUegP31NdiJIYmtqWtMms6kxhwDWNT4OyBFLn



4x6 ||

Scale = 1:46.7

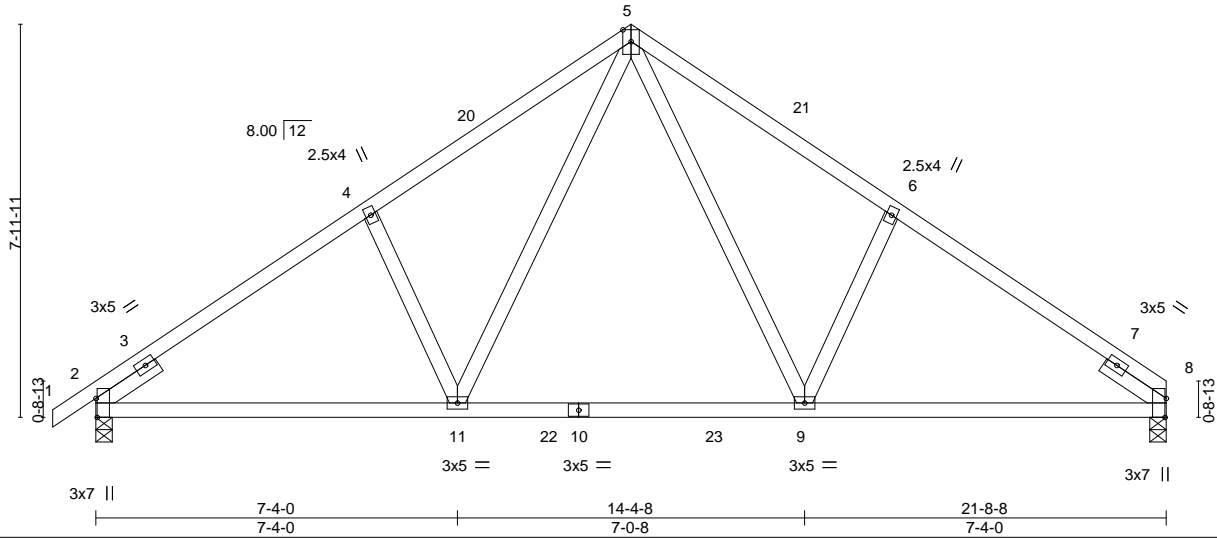


Plate Offsets (X,Y)-- [2:0-4-10,Edge], [8:0-4-10,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.28	Vert(LL) -0.11	9-11	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.51	Vert(CT) -0.18	9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.03	8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS					Weight: 88 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-6-0, Right 2x4 SPF Stud 1-6-0

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 4-9-9 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.**

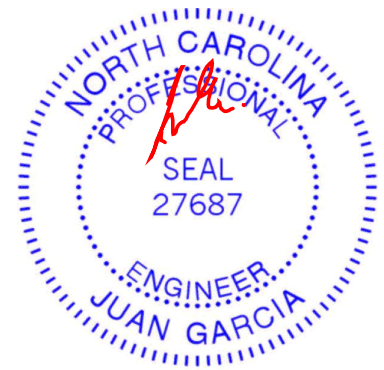
(size) 8=0-4-0, 2=0-4-0  
 Max Horz 2=189(LC 11)  
 Max Uplift 8=-254(LC 13), 2=-276(LC 12)  
 Max Grav 8=1078(LC 20), 2=1129(LC 19)

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

TOP CHORD 2-4=-1392/362, 4-5=-1326/431, 5-6=-1330/433, 6-8=-1371/364  
 BOT CHORD 2-11=-313/1208, 9-11=-94/791, 8-9=-213/1086  
 WEBS 5-9=-225/662, 6-9=-354/310, 5-11=-224/657, 4-11=-351/309

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 10-10-4, Exterior(2R) 10-10-4 to 13-10-4, Interior(1) 13-10-4 to 21-8-8 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
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=254, 2=276.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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818 Soundside Road  
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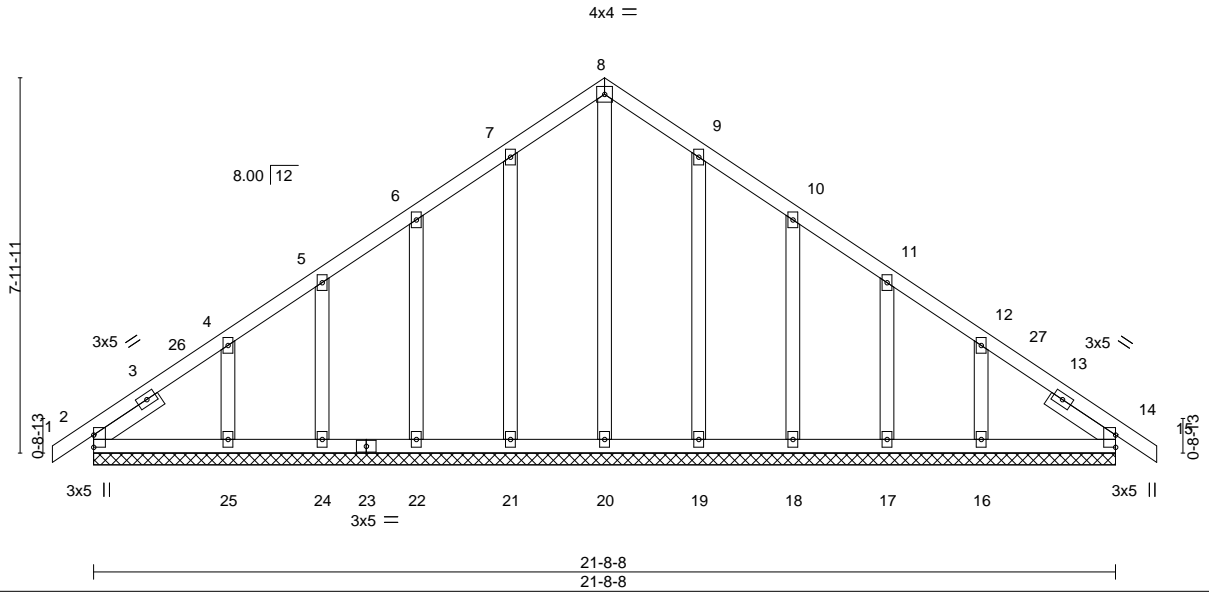
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147248
QUOTE_FILE	CGE	Common Supported Gable	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:45 2021 Page 1  
 ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-5HrAfEM7P\_XwfXCxsT3bP135tAJTTC\_4SA60cryBFLm

-0-10-8 10-10-4 21-8-8 22-7-0  
 0-10-8 10-10-4 10-10-4 0-10-8

Scale = 1:48.9



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(LL) 0.00 14 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Vert(CT) 0.00 15 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 14 n/a n/a		
	Code IBC2018/TPI2014			Weight: 107 lb	FT = 20%

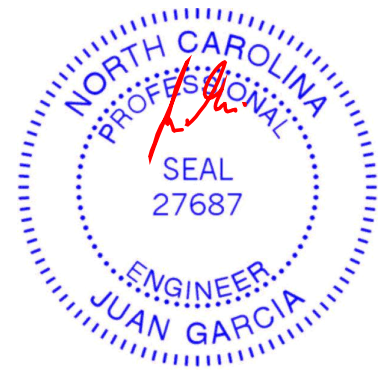
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 OTHERS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-8-2, Right 2x4 SPF Stud 1-8-2

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 21-8-8.  
 (lb) - Max Horz 2=193(LC 11)  
 Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 24, 19, 17, 14 except 22=113(LC 12), 25=184(LC 12), 18=113(LC 13), 16=176(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 2, 20, 21, 22, 24, 19, 18, 17, 14 except 25=287(LC 19), 16=278(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 7-8=211/283, 8-9=211/283

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 10-10-4, Corner(3R) 10-10-4 to 13-10-4, Exterior(2N) 13-10-4 to 22-7-0 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 2.5x4 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) 2, 20, 21, 24, 19, 17, 14 except (it=lb) 22=113, 25=184, 18=113, 16=176.
  - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 14.
  - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9,2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

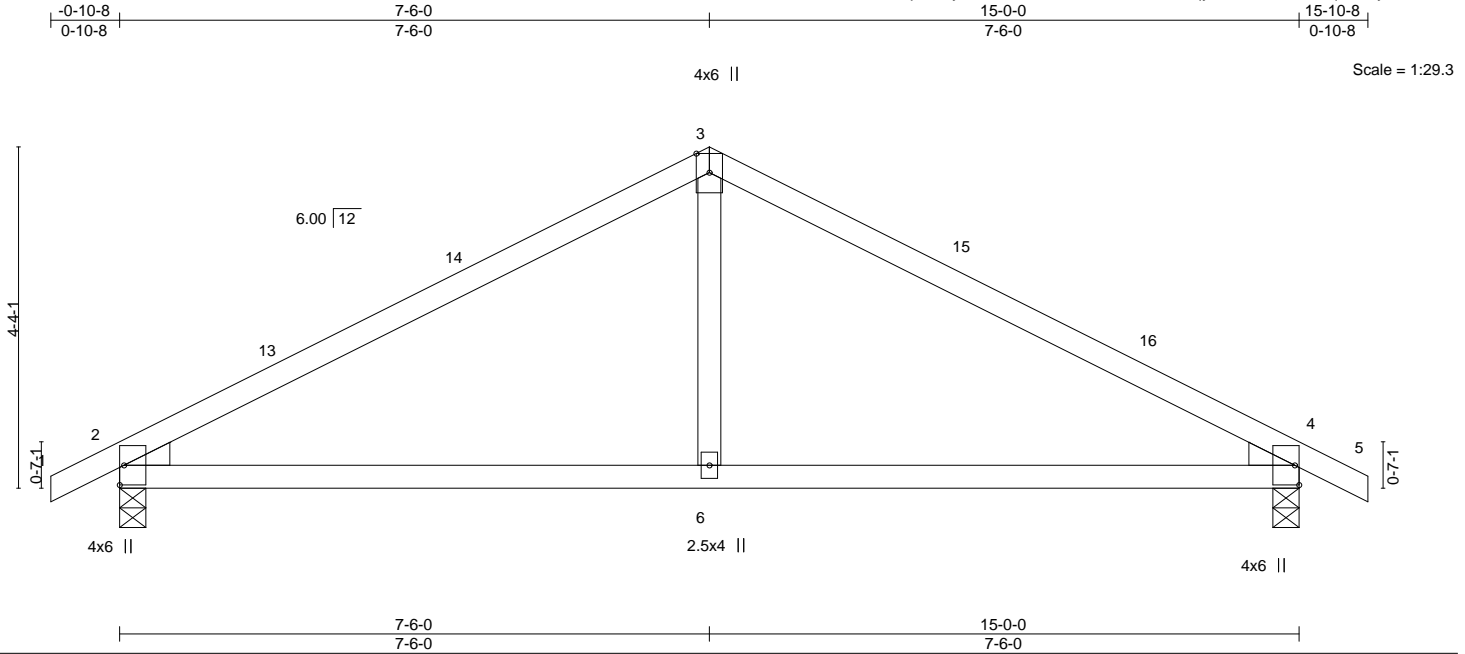


818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147249
QUOTE_FILE	D	Common	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:46 2021 Page 1  
ID:vQ6i6u4iiCAIatOQRtpQ9TyWovO-aTPYsZNIAlfnGhn7QAaqyFc8taY1ChGDhqs9HyBFLI



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.48	Vert(LL) 0.11 6-9 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Vert(CT) -0.16 6-12 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 2 n/a n/a		
	Code IBC2018/TPI2014			Weight: 44 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
WEBS 2x4 SPF Stud  
WEDGE

Left: 2x4 SPF Stud, Right: 2x4 SPF Stud

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.**

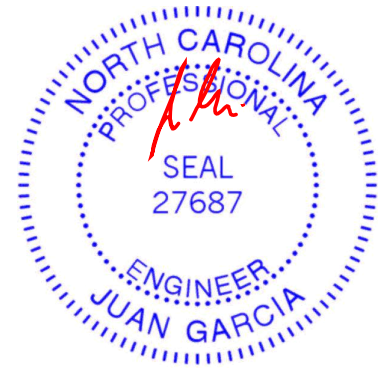
(size) 2=0-4-0, 4=0-4-0  
Max Horz 2=-70(LC 13)  
Max Uplift 2=-204(LC 12), 4=-204(LC 13)  
Max Grav 2=653(LC 1), 4=652(LC 1)

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

TOP CHORD 2-3=-805/374, 3-4=-805/374  
BOT CHORD 2-6=-183/639, 4-6=-183/639  
WEBS 3-6=0/332

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 15-10-8 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) except (jt=lb) 2=204, 4=204.
- 6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

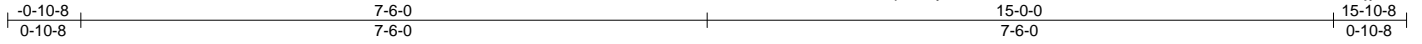


818 Soundside Road  
Edenton, NC 27932

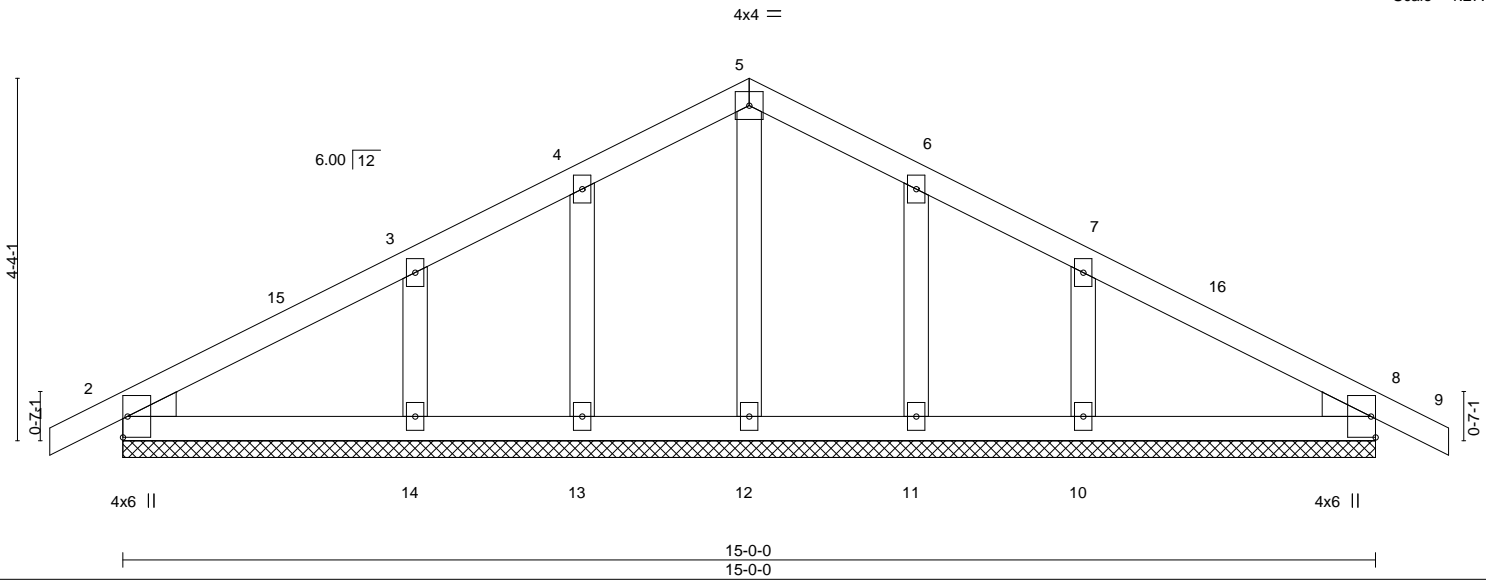
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147250
QUOTE_FILE	DGE	Common Supported Gable	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:47 2021 Page 1  
ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-2fzw4vNNwbneurMK\_t53US8QH\_\_ex9NNwUb7hjbFLk



Scale = 1:27.6



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) 0.00 9 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.08	Vert(CT) 0.01 9 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 8 n/a n/a		
	Code IBC2018/TPI2014			Weight: 55 lb	FT = 20%

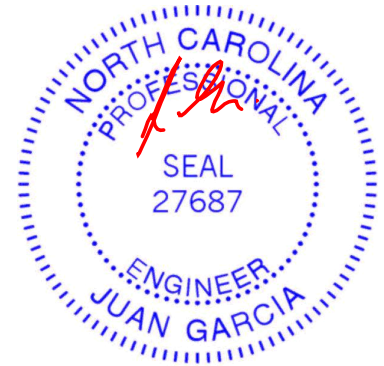
**LUMBER-**  
TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
OTHERS 2x4 SPF Stud  
WEDGE  
Left: 2x4 SPF Stud, Right: 2x4 SPF Stud

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 15-0-0.  
(lb) - Max Horz 2=70(LC 17)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11 except 14=155(LC 12), 10=153(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 11 except 14=278(LC 19), 10=277(LC 20)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 7-6-0, Corner(3R) 7-6-0 to 10-6-0, Exterior(2N) 10-6-0 to 15-10-8 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 2.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 11 except (jt=lb) 14=155, 10=153.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



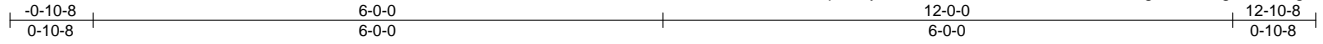
818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147251
QUOTE_FILE	E	Common	5	1	Job Reference (optional)	

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

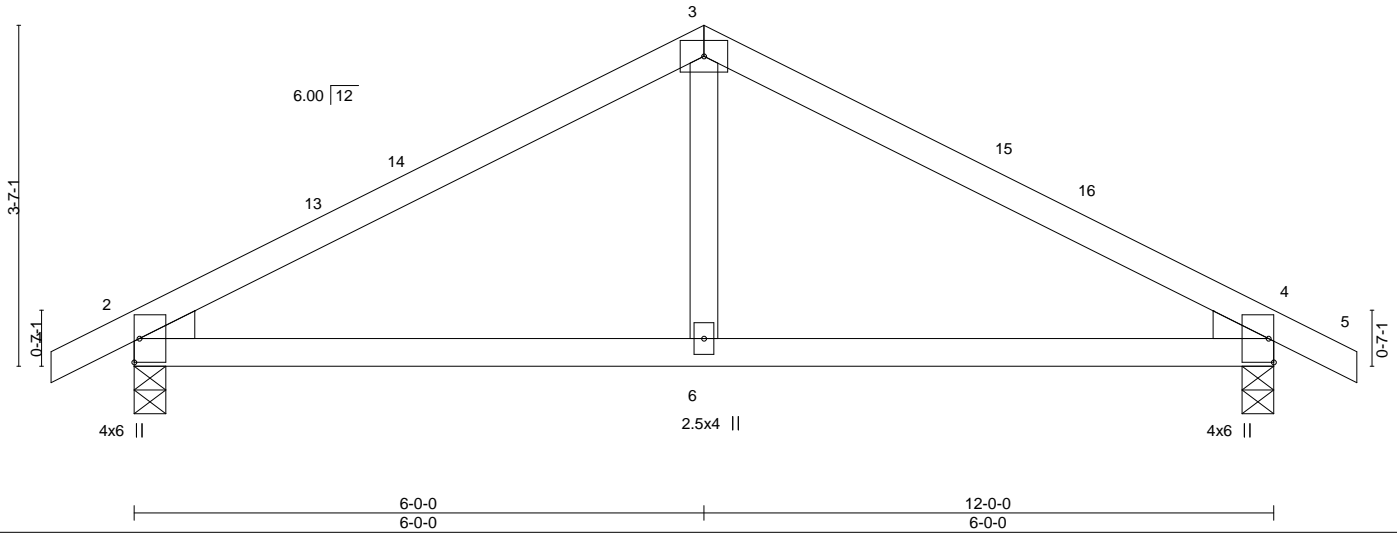
8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:48 2021 Page 1

ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-WsXIHF0?hvvVW?xWYbcl1ghXVNHdgcDW88LgD9yBFLj



4x6 =

Scale = 1:24.3



<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.34	Vert(LL)	0.05	6-9	>999	240	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.31	Vert(CT)	-0.07	6-9	>999	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.01	2	n/a	n/a	
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS						
								Weight: 36 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 WEDGE

Left: 2x4 SPF Stud, Right: 2x4 SPF Stud

**BRACING-**

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

**REACTIONS.**

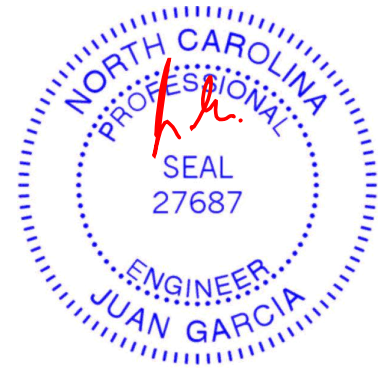
(size) 2=0-4-0, 4=0-4-0  
 Max Horz 2=57(LC 12)  
 Max Uplift 2=-168(LC 12), 4=-168(LC 13)  
 Max Grav 2=532(LC 1), 4=533(LC 1)

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

TOP CHORD 2-3=-625/338, 3-4=-625/338  
 BOT CHORD 2-6=-164/496, 4-6=-164/496  
 WEBS 3-6=0/258

**NOTES-**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-0-0, Exterior(2R) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-10-8 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) except (jt=lb) 2=168, 4=168.
- 6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



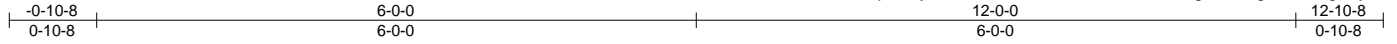
818 Soundside Road  
 Edenton, NC 27932



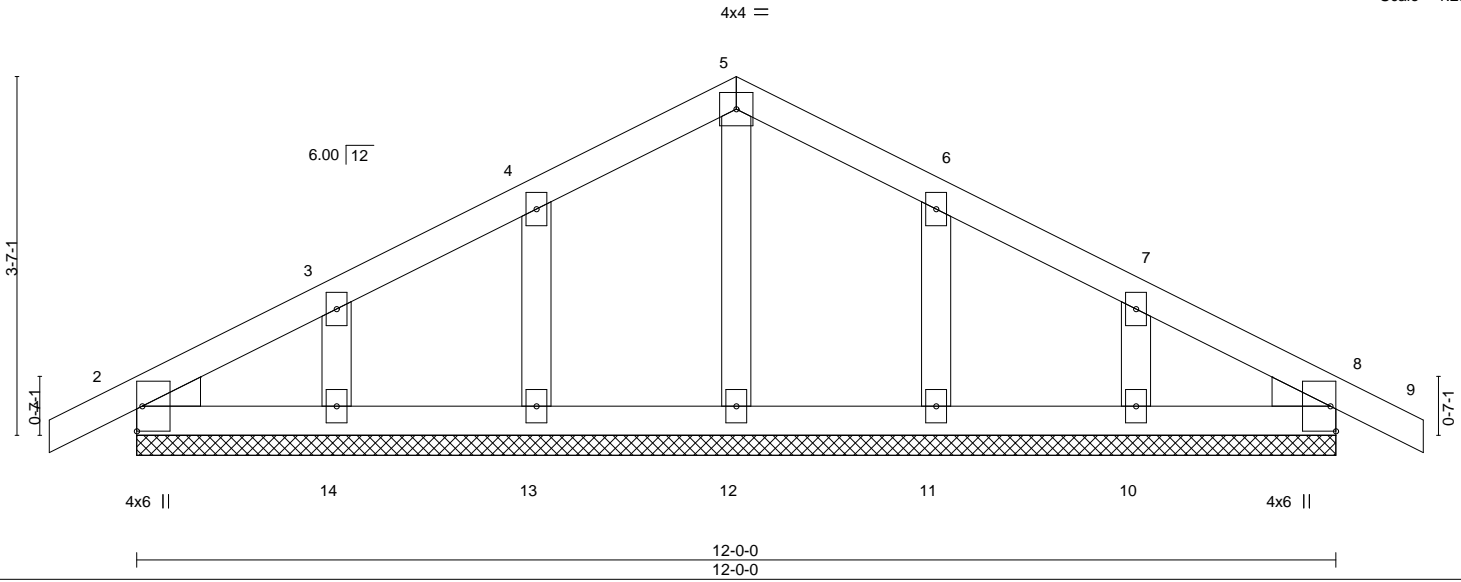
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147252
QUOTE_FILE	EGE	Common Supported Gable	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:48 2021 Page 1  
ID:vQ6l6u4iICAlatOQRtpQ9TyWovO-WsXIHF0?hvvVW?xWYbcl1ghctNLbgd\_W88LgD9yBFLj



Scale = 1:23.1



<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00	8	n/r	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	8	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-S					Weight: 43 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
OTHERS 2x4 SPF Stud  
WEDGE

Left: 2x4 SPF Stud, Right: 2x4 SPF Stud

**BRACING-**

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

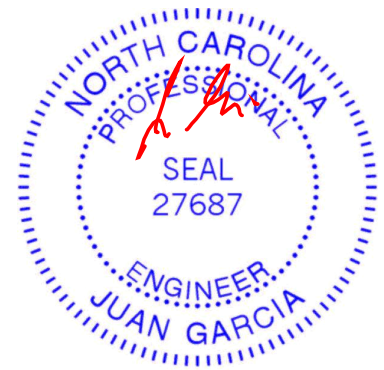
**REACTIONS.**

All bearings 12-0-0.  
(lb) - Max Horz 2=57(LC 16)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10  
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-0-0, Exterior(2N) 2-0-0 to 6-0-0, Corner(3R) 6-0-0 to 9-0-0, Exterior(2N) 9-0-0 to 12-10-8 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147253
QUOTE_FILE	HA	Half Hip	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:49 2021 Page 1  
 ID:vQ6I6u4iiCAlatOQRtpQ9TyWovO-\_25gVbPdSD1M79Wi5I8XatEilndPP\_ofNo4ElcyBFLi



Scale = 1:27.3

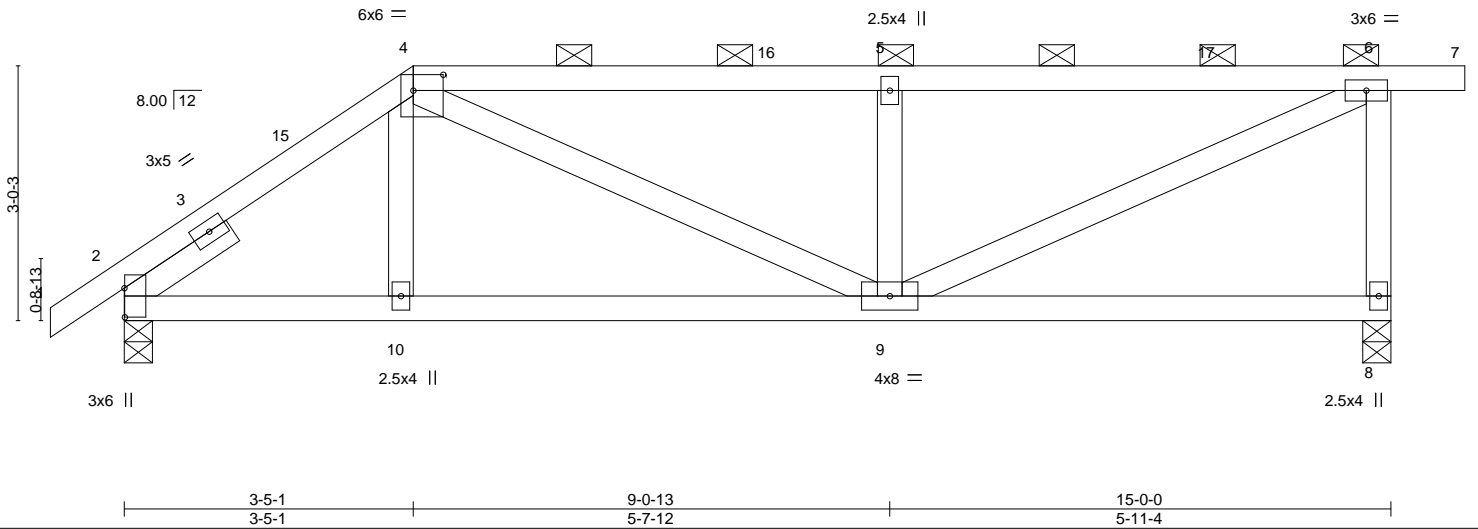


Plate Offsets (X,Y)--	[2:0-4-2,0-0-1], [4:0-4-4,0-2-4]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15		TC 0.37	Vert(LL) -0.03	8-9	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15		BC 0.31	Vert(CT) -0.07	9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.39	Horz(CT) 0.01	8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 61 lb	FT = 20%

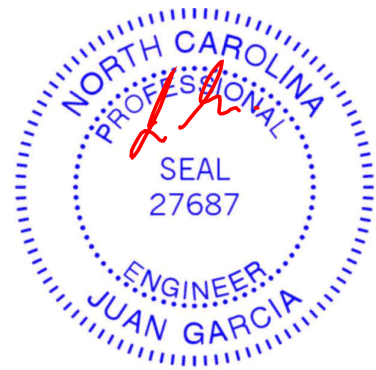
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-6-0

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-15 max.): 4-7.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 8=0-4-0, 2=0-4-0  
 Max Horz 2=113(LC 11)  
 Max Uplift 8=-268(LC 9), 2=-166(LC 9)  
 Max Grav 8=656(LC 1), 2=648(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-4=-761/250, 4-5=-857/318, 5-6=-857/318, 6-8=-602/295  
 BOT CHORD 2-10=-244/592, 9-10=-246/589  
 WEBS 4-9=-168/333, 5-9=-387/271, 6-9=-336/900

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-5-1, Exterior(2R) 3-5-1 to 7-8-0, Interior(1) 7-8-0 to 15-10-8 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.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=268, 2=166.
  - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147254
QUOTE_FILE	HB	Half Hip	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:50 2021 Page 1  
ID:vQ6l6u4iiCAIatOQRtpQ9TyWovO-SEf3ixQFDWADII5uf0fm65mrvBx98P1pcSqnl2yBFLh



Scale = 1:27.3

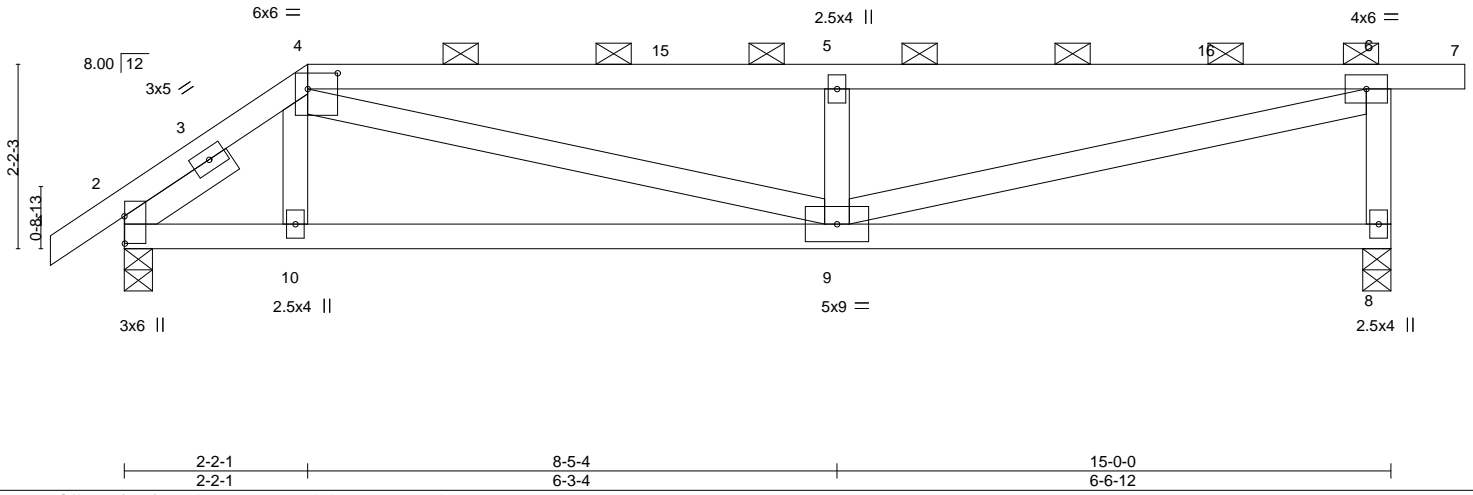


Plate Offsets (X,Y)--	[2:0-3-14,0-0-1], [4:0-4-4,0-2-4]								
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15		TC 0.47	Vert(LL) 0.07	9-10	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15		BC 0.34	Vert(CT) -0.12	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.53	Horz(CT) 0.01	8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 59 lb	FT = 20%

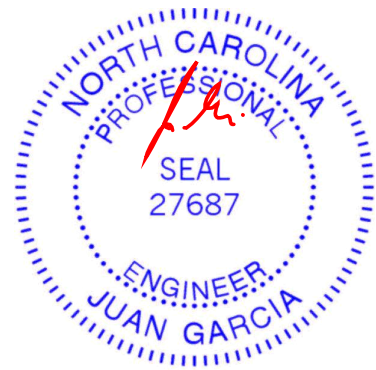
**LUMBER-**  
TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
WEBS 2x4 SPF Stud  
SLIDER Left 2x4 SPF Stud 1-6-0

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-6 max.): 4-7.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 8=0-4-0, 2=0-4-0  
Max Horz 2=81(LC 11)  
Max Uplift 8=268(LC 9), 2=188(LC 9)  
Max Grav 8=656(LC 1), 2=648(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-4=-791/247, 4-5=-1279/475, 5-6=-1279/475, 6-8=-592/297  
BOT CHORD 2-10=-237/629, 9-10=-243/625  
WEBS 4-9=-291/697, 5-9=-416/294, 6-9=-458/1233

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-2-1, Exterior(2R) 2-2-1 to 6-5-0, Interior(1) 6-5-0 to 15-10-8 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.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=268, 2=188.
  - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

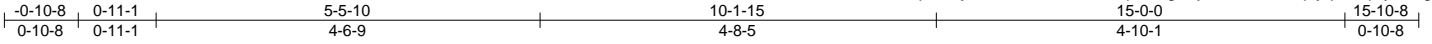


December 9, 2021

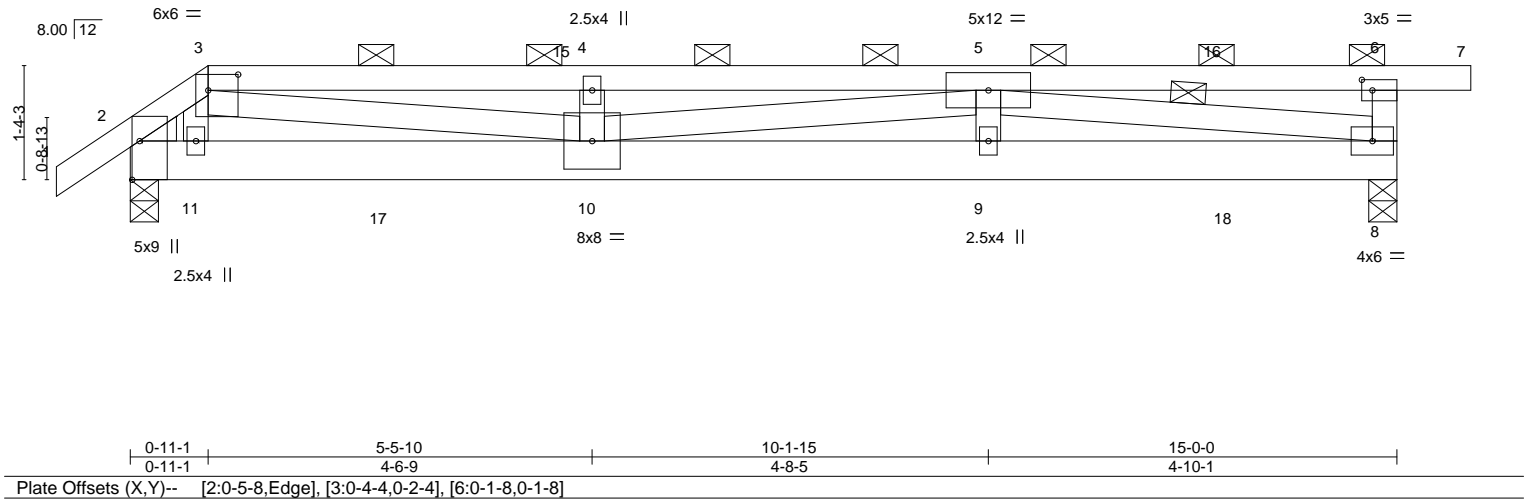
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147255
QUOTE_FILE	HC	Half Hip Girder	1	1	Job Reference (optional)	

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:51 2021 Page 1  
ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-wRDRwHQ\_t\_q14NSg5DjA?fiJ0UbFNtq0yq6ZLqUyBFLg



Scale = 1:27.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) 0.18 9-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.68	Vert(CT) -0.28 9-10 >634 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.03 8 n/a n/a	Weight: 65 lb	FT = 20%
	Code IBC2018/TPI2014				

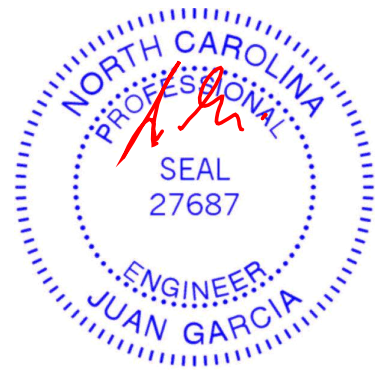
LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-11 max.): 3-7.
BOT CHORD 2x6 SPF 1650F 1.5E	BOT CHORD Rigid ceiling directly applied or 9-7-1 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midt 5-8
WEDGE	
Left: 2x4 SPF Stud	

**REACTIONS.** (size) 8=0-4-0, 2=0-4-0  
 Max Horz 2=47(LC 11)  
 Max Uplift 8=-308(LC 9), 2=-246(LC 9)  
 Max Grav 8=782(LC 1), 2=755(LC 25)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1044/341, 3-4=-2438/885, 4-5=-2438/885, 5-6=-265/126  
 BOT CHORD 2-11=-326/907, 10-11=-336/901, 9-10=-858/2393, 8-9=-858/2393  
 WEBS 3-10=-577/1571, 4-10=-271/195, 5-8=-2174/774

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 0-11-1, Exterior(2R) 0-11-1 to 5-2-0, Interior(1) 5-2-0 to 15-10-8 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=308, 2=246.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Girder carries tie-in span(s): 3-6-0 from 3-0-0 to 13-0-0
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - 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: 1-3=-60, 3-6=-60, 6-7=-60, 12-17=-20, 17-18=-43(F=-23), 8-18=-20



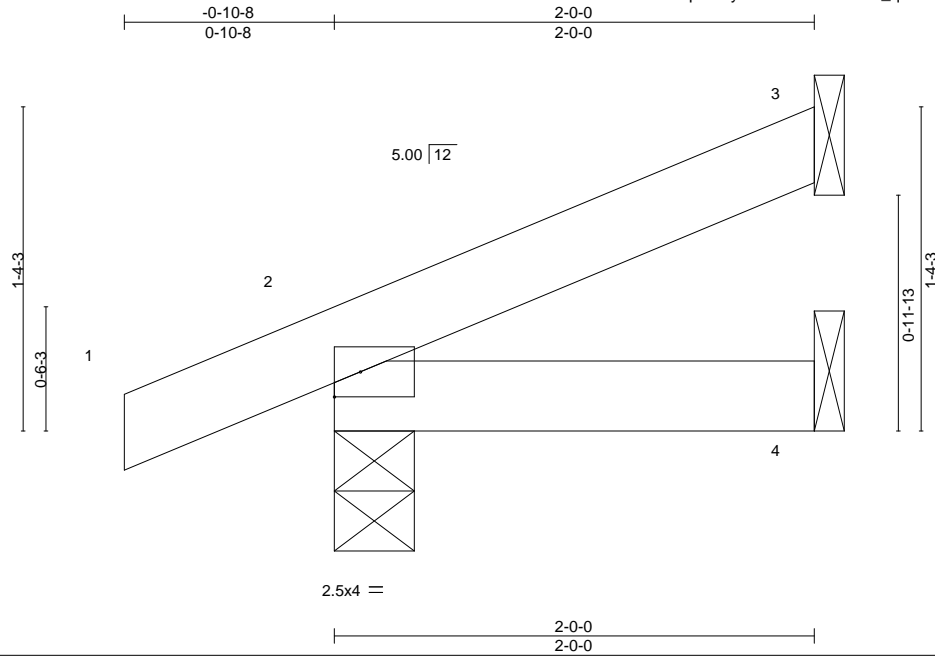
December 9, 2021

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147256
QUOTE_FILE	JA	Jack-Open	7	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:51 2021 Page 1  
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Scale = 1:9.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.00 7 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 7 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 3 n/a n/a	Weight: 6 lb	FT = 20%
	Code IBC2018/TPI2014				

**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2

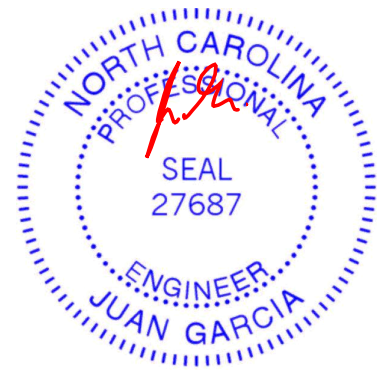
**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-4-0, 4=Mechanical, 3=Mechanical  
 Max Horz 2=54(LC 12)  
 Max Uplift 2=-43(LC 8), 3=-40(LC 12)  
 Max Grav 2=144(LC 1), 4=35(LC 3), 3=47(LC 1)

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

**NOTES-**

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.
- 6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9, 2021

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

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

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601  
**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	JA1	Jack-Open Supported Gable	1	1	Job Reference (optional)

I49147257

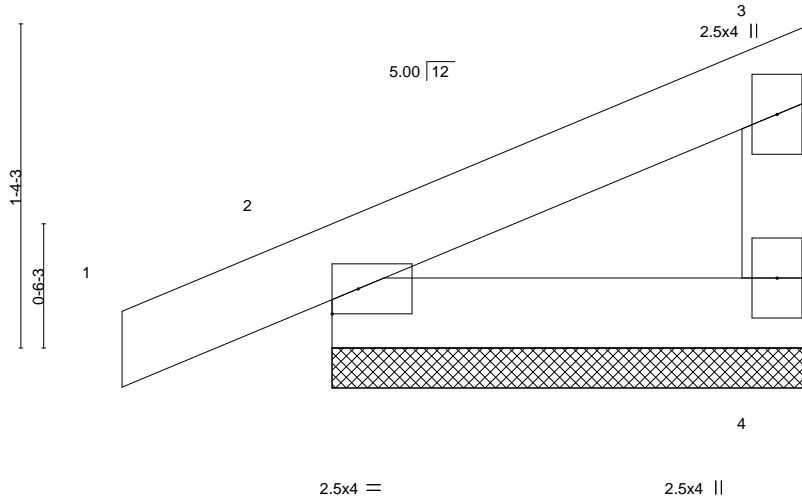
84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:52 2021 Page 1  
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Scale = 1:9.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) 0.00 1 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 4 n/a n/a		
	Code IBC2018/TPI2014			Weight: 7 lb	FT = 20%

**LUMBER-**  
TOP CHORD 2x4 SPF No.2  
BOT CHORD 2x4 SPF No.2  
WEBS 2x4 SPF Stud

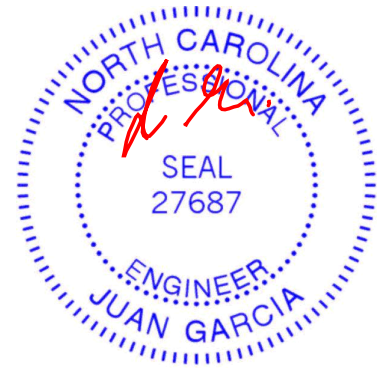
**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 4=2-0-0, 2=2-0-0  
Max Horz 2=44(LC 9)  
Max Uplift 4=-27(LC 12), 2=-51(LC 8)  
Max Grav 4=62(LC 1), 2=139(LC 1)

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

**NOTES-**

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) 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.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 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) 4, 2.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



December 9,2021

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

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

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

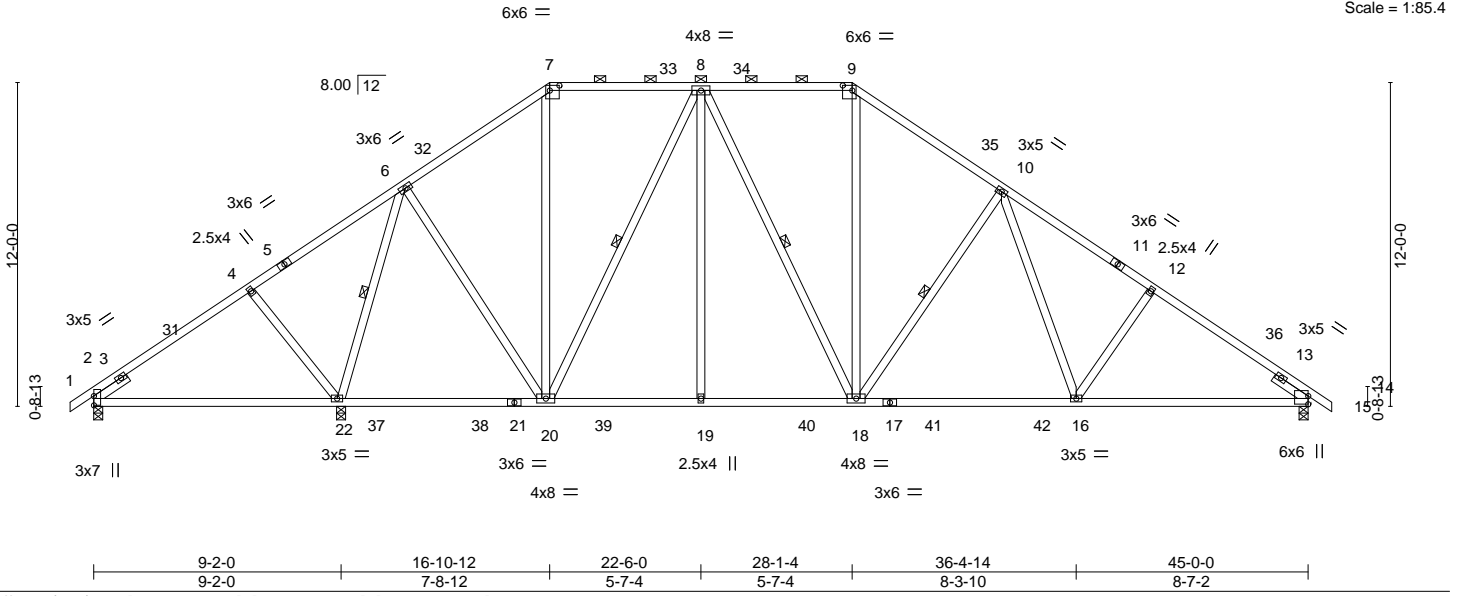


818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147258
QUOTE_FILE	TA	Piggyback Base	2	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:53 2021 Page 1  
 ID:vQ6l6u4iiCAIatOQRtpQ9TyWovO-spKBKzS8WRyocmpTK8CTkjOIhOqmLi2FIQ2RuNyBFLe

0-10-8 5-9-15 11-4-5 16-10-12 22-6-0 28-1-4 33-7-11 39-2-1 45-0-0 45-10-8  
 0-10-8 5-9-15 5-6-7 5-6-7 5-7-4 5-7-4 5-6-7 5-6-7 5-9-15 0-10-8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.23 16-18 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.92	Vert(CT) -0.39 16-18 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.77	Horz(CT) 0.09 14 n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS		Weight: 236 lb	FT = 20%

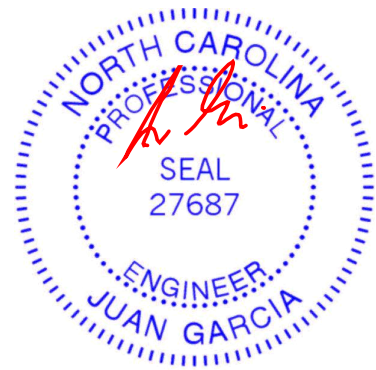
**LUMBER-**  
 TOP CHORD 2x4 SPF No.2  
 BOT CHORD 2x4 SPF No.2  
 WEBS 2x4 SPF Stud  
 SLIDER Left 2x4 SPF Stud 1-6-0, Right 2x4 SPF Stud 1-6-0

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins, except 2-0-0 oc purlins (4-11-4 max.): 7-9.  
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.  
 WEBS 1 Row at midpt 6-22, 8-20, 8-18, 10-18

**REACTIONS.** (size) 2=0-4-0, 22=0-4-0, 14=0-4-0  
 Max Horz 2=-294(LC 10)  
 Max Uplift 2=-110(LC 12), 22=-512(LC 12), 14=-439(LC 13)  
 Max Grav 2=431(LC 19), 22=2273(LC 19), 14=1812(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-4=-567/102, 6-7=-1136/406, 7-8=-889/398, 8-9=-1388/536, 9-10=-1733/562,  
 10-12=-2355/646, 12-14=-2487/620  
 BOT CHORD 2-22=-182/370, 20-22=-147/515, 19-20=-179/1246, 18-19=-179/1246, 16-18=-181/1604,  
 14-16=-381/1954  
 WEBS 4-22=-424/309, 6-22=-1636/378, 6-20=-164/866, 7-20=-94/361, 8-20=-846/286,  
 8-19=0/292, 8-18=-128/326, 9-18=-138/650, 10-18=-762/409, 10-16=-136/581,  
 12-16=-288/278

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-10-12, Exterior(2R) 16-10-12 to 21-1-11, Interior(1) 21-1-11 to 28-1-4, Exterior(2R) 28-1-4 to 32-4-3, Interior(1) 32-4-3 to 45-10-8 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=110, 22=512, 14=439.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



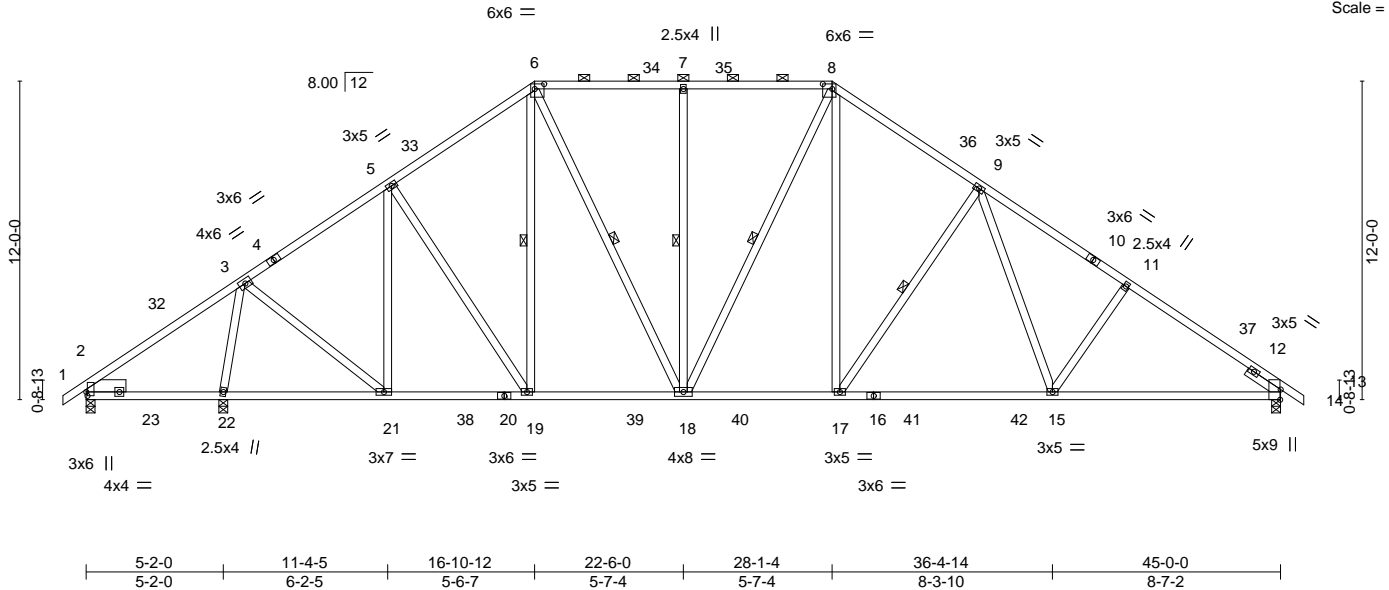
December 9, 2021

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147259
QUOTE_FILE	TA1	Piggyback Base	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:55 2021 Page 1  
 ID:vQ6l6u4iiCAlatOQRtpQ9TyWovOpCSyleTO23oWr4zsSZFxp8TbbCX6pbJYlkXYzGyBFLc

-0-10-8 5-9-15 11-4-5 16-10-12 22-6-0 28-1-4 33-7-11 39-2-1 45-0-0 45-10-8  
 0-10-8 5-9-15 5-6-7 5-6-7 5-7-4 5-7-4 5-6-7 5-6-7 5-6-7 5-9-15 0-10-8

Scale = 1:86.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.92	Vert(LL)	-0.25 15-17	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.87	Vert(CT)	-0.43 15-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.85	Horz(CT)	0.10 13	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 243 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except 2-0-0 oc purlins (4-6-6 max.): 6-8.
BOT CHORD 2x4 SPF No.2 *Except* 13-16: 2x4 SPF 1650F 1.5E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-22.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 6-19, 6-18, 7-18, 8-18, 9-17
SLIDER Left 2x6 SPF 1650F 1.5E 1-6-0, Right 2x4 SPF Stud 1-6-0	

**REACTIONS.** (size) 2=0-4-0, 22=0-4-0, 13=0-4-0  
 Max Horz 2=-294(LC 10)  
 Max Uplift 2=-89(LC 13), 22=-491(LC 12), 13=-480(LC 13)  
 Max Grav 2=173(LC 25), 22=2398(LC 19), 13=1988(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-68/369, 3-5=-1500/436, 5-6=-1656/535, 6-7=-1573/558, 7-8=-1573/558,  
 8-9=-2038/634, 9-11=-2644/713, 11-13=-2777/688  
 BOT CHORD 2-22=-462/551, 21-22=-222/320, 19-21=-284/1290, 18-19=-236/1341, 17-18=-157/1537,  
 15-17=-240/1853, 13-15=-436/2189  
 WEBS 3-22=-2131/518, 3-21=-121/1267, 5-21=-569/154, 5-19=-103/325, 6-18=-251/654,  
 7-18=-381/268, 8-17=-254/955, 9-17=-755/406, 9-15=-130/561, 11-15=-274/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-10-12, Exterior(2R) 16-10-12 to 21-1-11, Interior(1) 21-1-11 to 28-1-4, Exterior(2R) 28-1-4 to 32-4-3, Interior(1) 32-4-3 to 45-10-8 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 22=491, 13=480.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

<p><b>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</b>          Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see <b>ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information</b> available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	 818 Soundside Road Edenton, NC 27932
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Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147260
QUOTE_FILE	TA2	Piggyback Base Supported Gable	1	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:57 2021 Page 1  
 ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-lbaiAKVeag2D5N7FZ\_HPuZZ7H0OuHg8rD20f18yBFLa

-0-10-8 16-10-12 28-1-4 45-0-0 45-10-8  
 0-10-8 16-10-12 11-2-8 16-10-12 0-10-8

Scale = 1:81.5

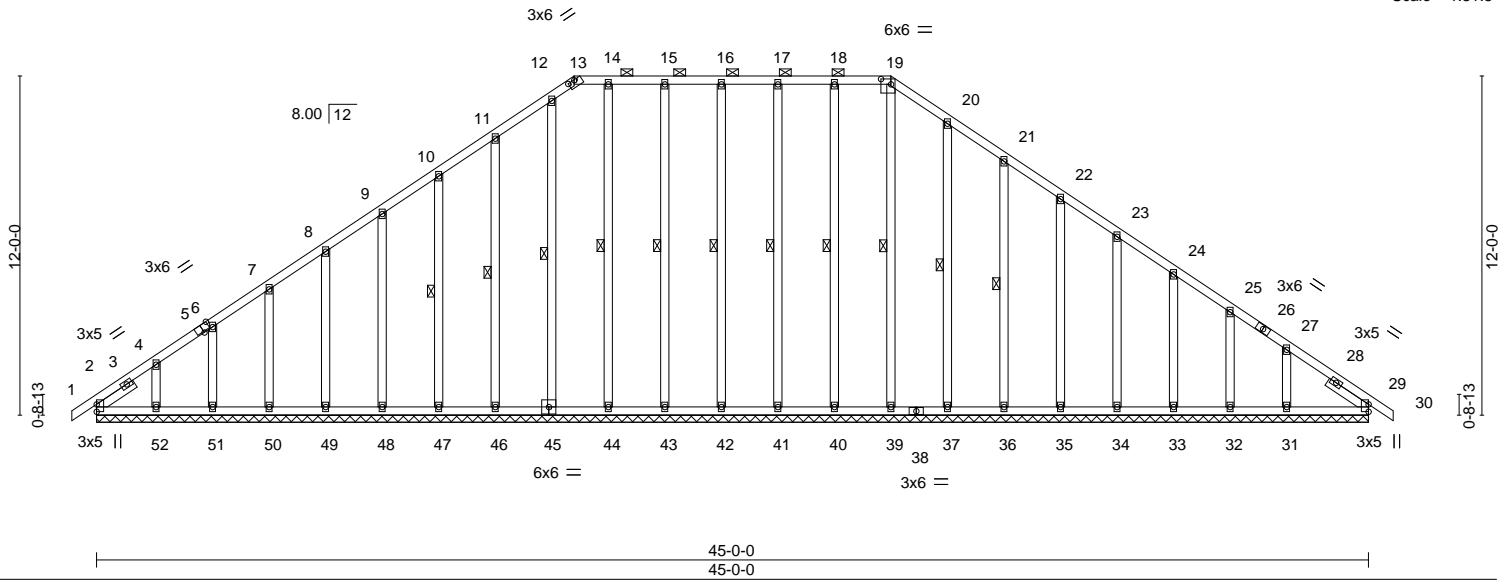


Plate Offsets (X,Y)-- [5:0-3-0,Edge], [13:0-3-0,0-0-2], [19:0-4-4,0-2-4]

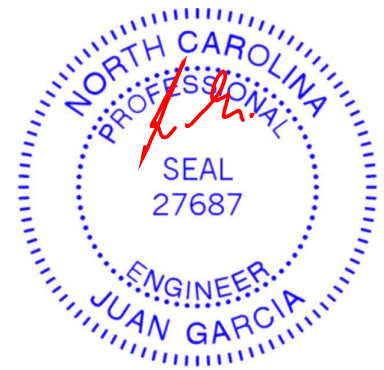
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) 0.00	29	n/r	120	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.08	Vert(CT) 0.00	30	n/r	90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.19	Horz(CT) 0.02	29	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-S					Weight: 301 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 13-19.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF Stud	WEBS 1 Row at midpt 19-39, 18-40, 17-41, 16-42, 15-43, 14-44, 12-45, 11-46, 10-47, 20-37, 21-36
SLIDER Left 2x4 SPF Stud 1-7-0, Right 2x4 SPF Stud 1-8-7	

**REACTIONS.** All bearings 45-0-0.  
 (lb) - Max Horz 2=294(LC 10)  
 Max Uplift All uplift 100 lb or less at joint(s) 40, 41, 42, 43, 44, 45, 51, 32 except 2=119(LC 10), 46=128(LC 12), 47=101(LC 12), 48=104(LC 12), 49=103(LC 12), 50=107(LC 12), 52=194(LC 12), 37=100(LC 13), 36=109(LC 13), 35=103(LC 13), 34=103(LC 13), 33=110(LC 13), 31=202(LC 13)  
 Max Grav All reactions 250 lb or less at joint(s) 2, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 37, 36, 35, 34, 33, 32, 29 except 52=253(LC 19), 31=294(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-4=-376/310, 10-11=-200/295, 11-12=-263/362, 12-13=-250/334, 13-14=-242/339, 14-15=-242/339, 15-16=-242/339, 16-17=-242/339, 17-18=-242/339, 18-19=-242/339, 19-20=-275/372, 20-21=-224/298, 27-29=-260/169  
 BOT CHORD 2-52=-150/264, 51-52=-150/264, 50-51=-150/264, 49-50=-150/264, 48-49=-150/264, 47-48=-150/264, 46-47=-150/264, 45-46=-150/264, 44-45=-151/265, 43-44=-151/265, 42-43=-151/265, 41-42=-151/265, 40-41=-151/265, 39-40=-151/265, 37-39=-151/265, 36-37=-151/265, 35-36=-151/265, 34-35=-151/265, 33-34=-151/265, 32-33=-151/265, 31-32=-151/265, 29-31=-151/265

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-1-4, Exterior(2N) 2-1-4 to 16-10-12, Corner(3R) 16-10-12 to 20-1-4, Exterior(2N) 20-1-4 to 28-1-4, Corner(3R) 28-1-4 to 31-1-4, Exterior(2N) 31-1-4 to 45-10-8 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
  - 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 2.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - 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.



December 9,2021

Continued on page 2

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

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 818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	TA2	Piggyback Base Supported Gable	1	1	I49147260
					Job Reference (optional)

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

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:16:57 2021 Page 2  
 ID:vQ6I6u4iiCAIatOQRtpQ9TyWovO-lbaiAKVeag2D5N7FZ\_HPuZZ7H0OuHg8rD20f18yBFLa

- NOTES-**
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 40, 41, 42, 43, 44, 45, 51, 32 except (jt=lb) 2=119, 46=128, 47=101, 48=104, 49=103, 50=107, 52=194, 37=100, 36=109, 35=103, 34=103, 33=110, 31=202.
  - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 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.

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

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



818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147261
QUOTE_FILE	TAC	Piggyback Base	4	1	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334, 8.530 s Nov 29 2021 MITek Industries, Inc. Tue Dec 7 20:16:58 2021 Page 1  
 ID:vQ6l6u4iiCAIatOQRtpQ9TyWovO-Dn84OgWGL\_A4jXIR7hoeRn59fPXio70\_SimCaayBFLZ

-0-10-8 5-9-15 11-4-5 16-10-12 22-6-0 28-1-4 33-7-11 39-2-1 45-0-0 45-10-8  
 0-10-8 5-9-15 5-6-7 5-6-7 5-7-4 5-7-4 5-6-7 5-6-7 5-9-15 0-10-8

Scale = 1:87.9

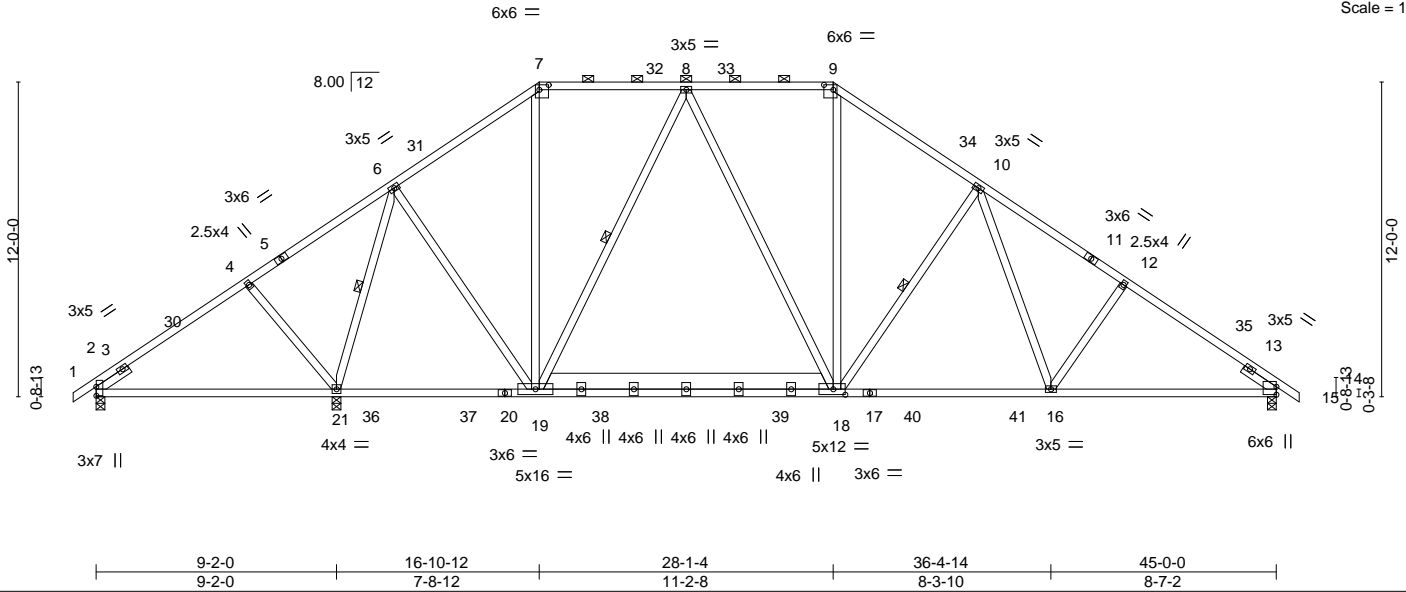


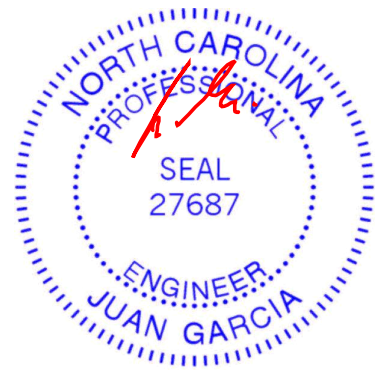
Plate Offsets (X,Y)--	[2:0-4-2,0-0-1], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [18:0-5-8,0-2-8]				
<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15	TC 0.74	Vert(LL) -0.19 16-18 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.94	Vert(CT) -0.18 21-24 >601 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66	Horz(CT) 0.07 14 n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS		Weight: 256 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-5-12 oc purlins, except
BOT CHORD 2x4 SPF No.2 *Except* 18-19: 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 14-16.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 6-21, 8-19, 10-18
SLIDER Left 2x4 SPF Stud 1-6-0, Right 2x4 SPF Stud 1-6-0	

**REACTIONS.** (size) 2=0-4-0, 21=0-4-0, 14=0-4-0  
 Max Horz 2=-294(LC 10)  
 Max Uplift 2=-110(LC 12), 21=-513(LC 12), 14=-438(LC 13)  
 Max Grav 2=477(LC 19), 21=2209(LC 19), 14=1816(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-4=-594/95, 6-7=-1160/399, 7-8=-911/395, 8-9=-1401/532, 9-10=-1749/557,  
 10-12=-2357/644, 12-14=-2489/619  
 BOT CHORD 2-21=-186/396, 19-21=-147/545, 18-19=-192/1205, 16-18=-179/1611, 14-16=-379/1957  
 WEBS 4-21=-419/306, 6-21=-1583/378, 6-19=-167/844, 7-19=-89/372, 8-19=-705/321,  
 8-18=-97/455, 9-18=-135/660, 10-18=-752/411, 10-16=-140/564, 12-16=-290/278

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-10-12, Exterior(2R) 16-10-12 to 21-1-11, Interior(1) 21-1-11 to 28-1-4, Exterior(2R) 28-1-4 to 32-4-3, Interior(1) 32-4-3 to 45-10-8 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=110, 21=513, 14=438.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021





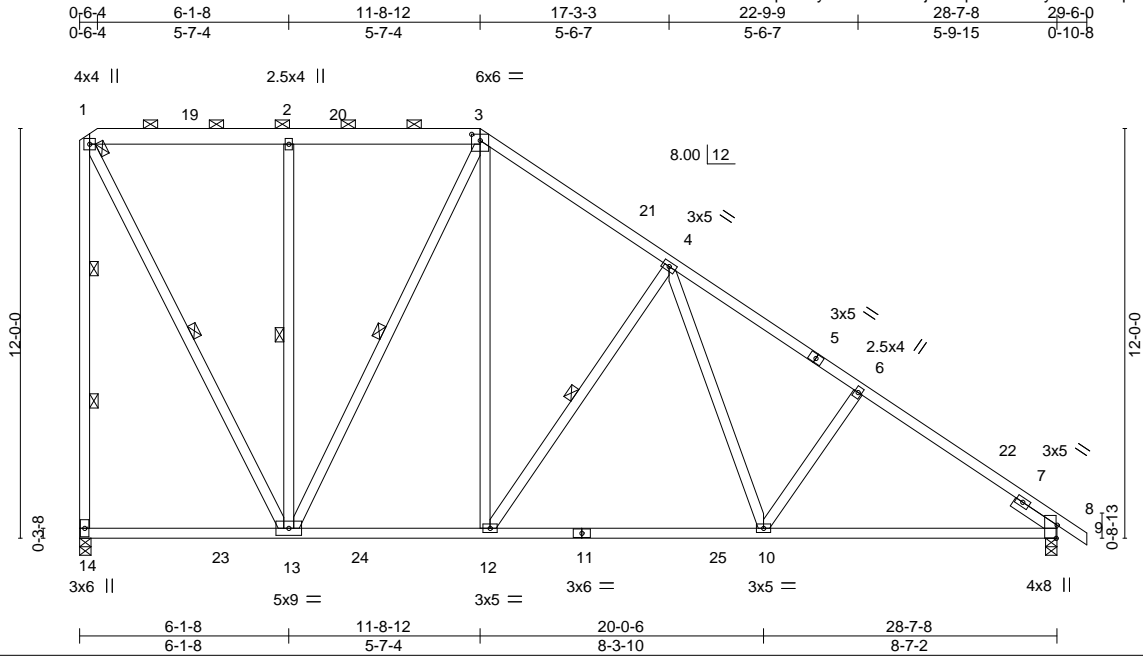


Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	I49147265
QUOTE_FILE	TC	Piggyback Base	3	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:17:04 2021 Page 1  
ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-2xVLeja1wqwERS9bTyv2h2L79qdcQhktqdDXnEyBFLT



Scale = 1:67.5

Plate Offsets (X,Y)-- [3:0-3-0,0-2-3], [8:0-4-10,Edge]

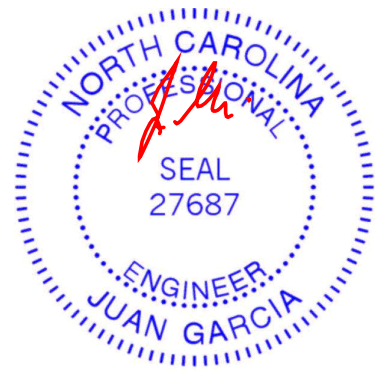
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.93	Vert(LL)	-0.20 10-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.71	Vert(CT)	-0.33 10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 172 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SPF No.2 *Except* 1-3: 2x6 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 1-13, 2-13, 3-13, 4-12
SLIDER Right 2x4 SPF Stud 1-6-0	2 Rows at 1/3 pts 1-14

**REACTIONS.** (size) 14=0-4-0, 8=0-4-0  
Max Horz 14=-582(LC 13)  
Max Uplift 14=-418(LC 8), 8=-286(LC 13)  
Max Grav 14=1355(LC 20), 8=1470(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-585/183, 2-3=-586/184, 3-4=-1133/294, 4-6=-1791/394, 6-8=-1924/369, 1-14=-1228/447  
BOT CHORD 13-14=-297/582, 12-13=0/853, 10-12=0/1126, 8-10=-177/1498  
WEBS 1-13=-399/1270, 2-13=-415/292, 3-13=-708/300, 3-12=-256/952, 4-12=-771/410, 4-10=-155/625, 6-10=-318/293

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-12, Exterior(2R) 11-8-12 to 15-11-11, Interior(1) 15-11-11 to 29-6-0 zone; cantilever left and right exposed; end vertical 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=418, 8=286.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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**ENGINEERING BY**  
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A MITEK Affiliate  
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Edenton, NC 27932

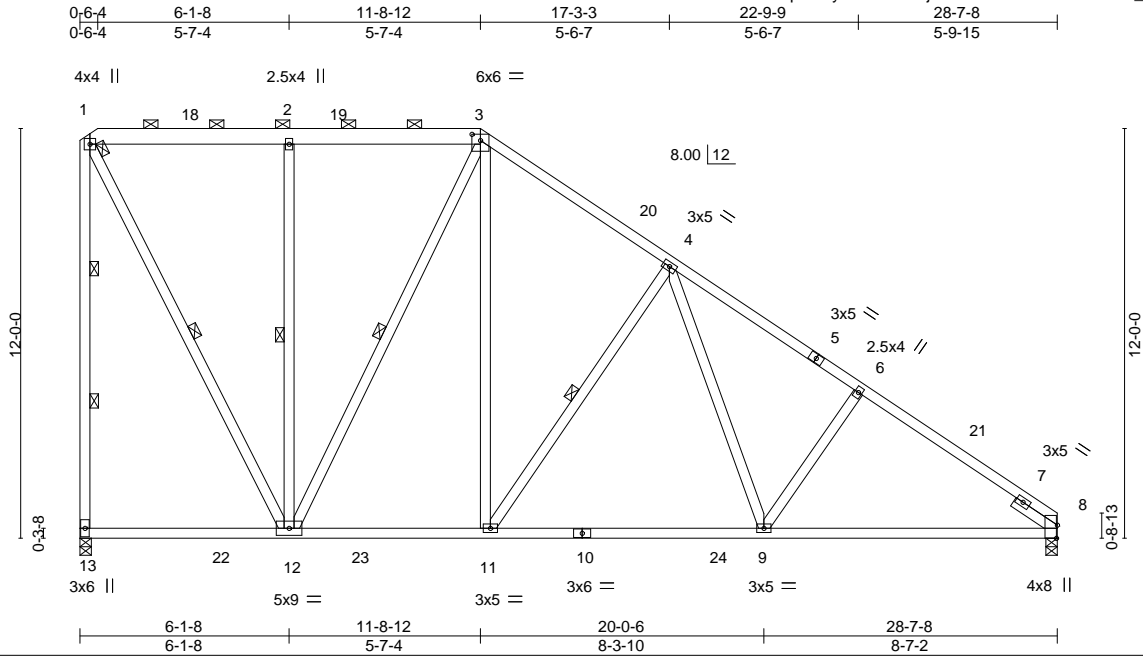
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F
QUOTE_FILE	TC1	Piggyback Base	2	1	Job Reference (optional)

I49147266

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:17:05 2021 Page 1  
ID:vQ6l6u4iiCAlatOQRtpQ9TyWovO-W73js3bfh7252ckn1fQHDfultEz\_98y03Hy4KgyBFLS



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Plate Offsets (X,Y)-- [3:0-3-0,0-2-3], [8:0-4-10,Edge]

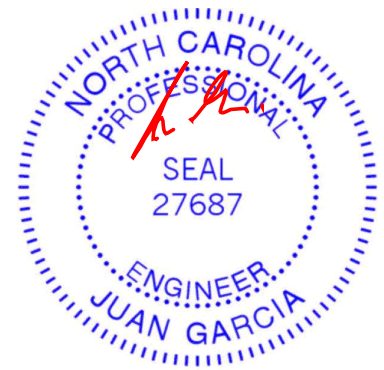
<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.93	Vert(LL)	-0.19 9-11	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.71	Vert(CT)	-0.33 9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.04 8	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS					Weight: 171 lb	FT = 20%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SPF No.2 "Except" 1-3: 2x6 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 3-9-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 1-12, 2-12, 3-12, 4-11 2 Rows at 1/3 pts 1-13
SLIDER Right 2x4 SPF Stud 1-6-0	

**REACTIONS.** (size) 13=0-4-0, 8=0-4-0  
Max Horz 13=562(LC 13)  
Max Uplift 13=418(LC 8), 8=264(LC 13)  
Max Grav 13=1356(LC 20), 8=1420(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-586/183, 2-3=-587/184, 3-4=-1134/294, 4-6=-1795/395, 6-8=-1928/370,  
1-13=-1229/447  
BOT CHORD 12-13=-292/562, 11-12=0/839, 9-11=0/1121, 8-9=-198/1506  
WEBS 1-12=-399/1271, 2-12=-415/292, 3-12=-709/300, 3-11=-256/953, 4-11=-772/411,  
4-9=-156/629, 6-9=-321/294

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-12, Exterior(2R) 11-8-12 to 15-11-11, Interior(1) 15-11-11 to 28-7-8 zone; cantilever left and right exposed; end vertical 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.
  - 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.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=418, 8=264.
  - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9,2021

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

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

**ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road  
Edenton, NC 27932



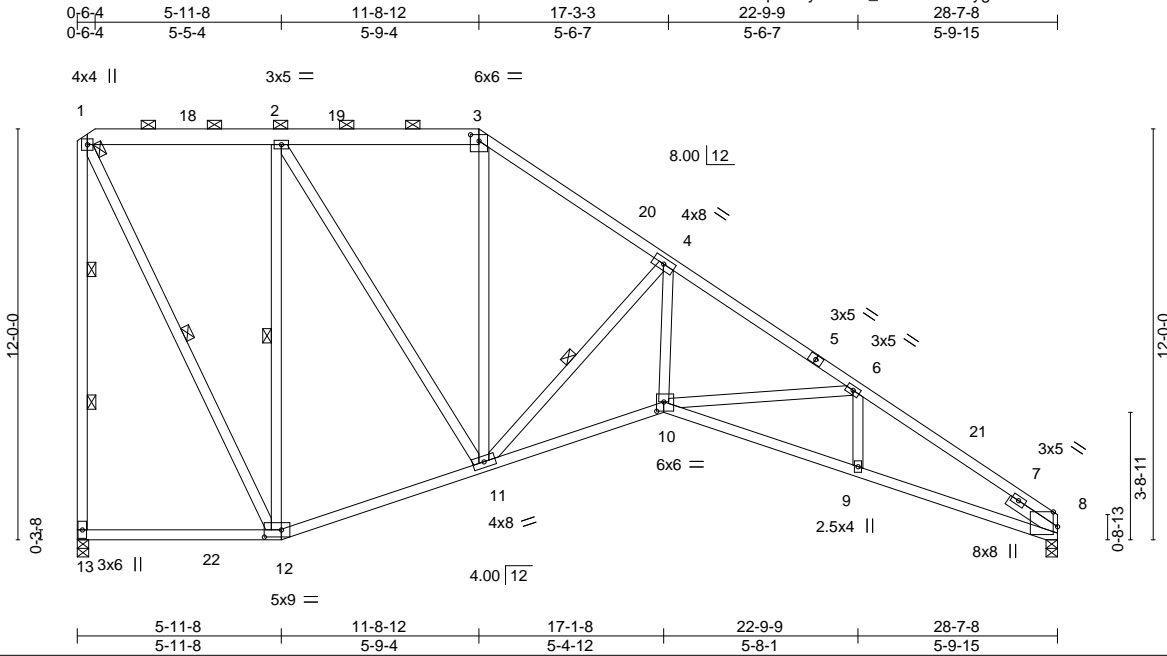
Job	Truss	Truss Type	Qty	Ply	Dewitt - Anderson F	149147267
QUOTE_FILE	TD	Piggyback Base	4	1	Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:17:06 2021 Page 1

ID:vQ616u4iiCAlatOQRtpQ9TyWovO-\_Jd63PclSRBygmJzbNxBmSRUReFoubwAHxids7yBFLR



Scale = 1:67.3

Plate Offsets (X,Y)-- [3:0-3-0,0-2-3], [8:0-5-3,Edge], [10:0-2-8,0-3-4], [12:0-6-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.88	Vert(LL) -0.25 9-10 l/defl >999 L/d 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.99	Vert(CT) -0.48 9-10 >713 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.73	Horz(CT) 0.30 8 n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS		Weight: 166 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x6 SPF 1650F 1.5E \*Except\*  
 3-5: 2x4 SPF No.2, 5-8: 2x4 SPF 1650F 1.5E  
 BOT CHORD 2x4 SPF No.2 \*Except\*  
 8-10: 2x4 SPF 1650F 1.5E  
 WEBS 2x4 SPF Stud  
 SLIDER Right 2x4 SPF Stud 1-9-0

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 8-9.  
 WEBS 1 Row at midpt 1-12, 2-12, 4-11  
 2 Rows at 1/3 pts 1-13

**REACTIONS.**

(size) 13=0-4-0, 8=0-4-0  
 Max Horz 13=-562(LC 13)  
 Max Uplift 13=-418(LC 8), 8=-264(LC 13)  
 Max Grav 13=1292(LC 20), 8=1366(LC 20)

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

TOP CHORD 1-2=-537/180, 2-3=-968/268, 3-4=-1218/235, 4-6=-2545/299, 6-8=-3096/518, 1-13=-1159/449  
 BOT CHORD 12-13=-292/562, 11-12=-39/659, 10-11=0/2172, 9-10=-345/2609, 8-9=-344/2571  
 WEBS 1-12=-403/1189, 2-12=-983/360, 2-11=-171/831, 3-11=0/356, 4-11=-1913/378, 4-10=-68/1738, 6-10=-465/364

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-12, Exterior(2R) 11-8-12 to 15-11-11, Interior(1) 15-11-11 to 28-7-8 zone; cantilever left and right exposed; end vertical 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.
- 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.
- Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=418, 8=264.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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

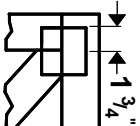
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



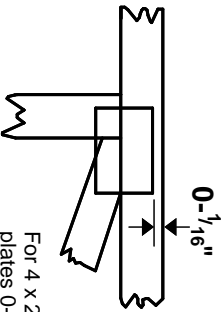
818 Soundside Road  
 Edenton, NC 27932

# 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- 1/16" from outside edge of truss.



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 X 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



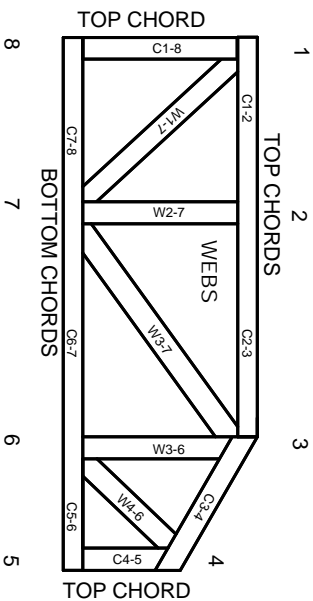
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

### Industry Standards:

ANSI/TFP 1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate  
BCSI: Connected Wood Trusses.

# Numbering System

6-4-8  
dimensions shown in ft-in-sixteenths  
(Drawings not to scale)



**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/TFP 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

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. 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.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.