

Carter Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

# Builder: DRB HOMES Model: 68 FaNC MALBEC 1



# THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

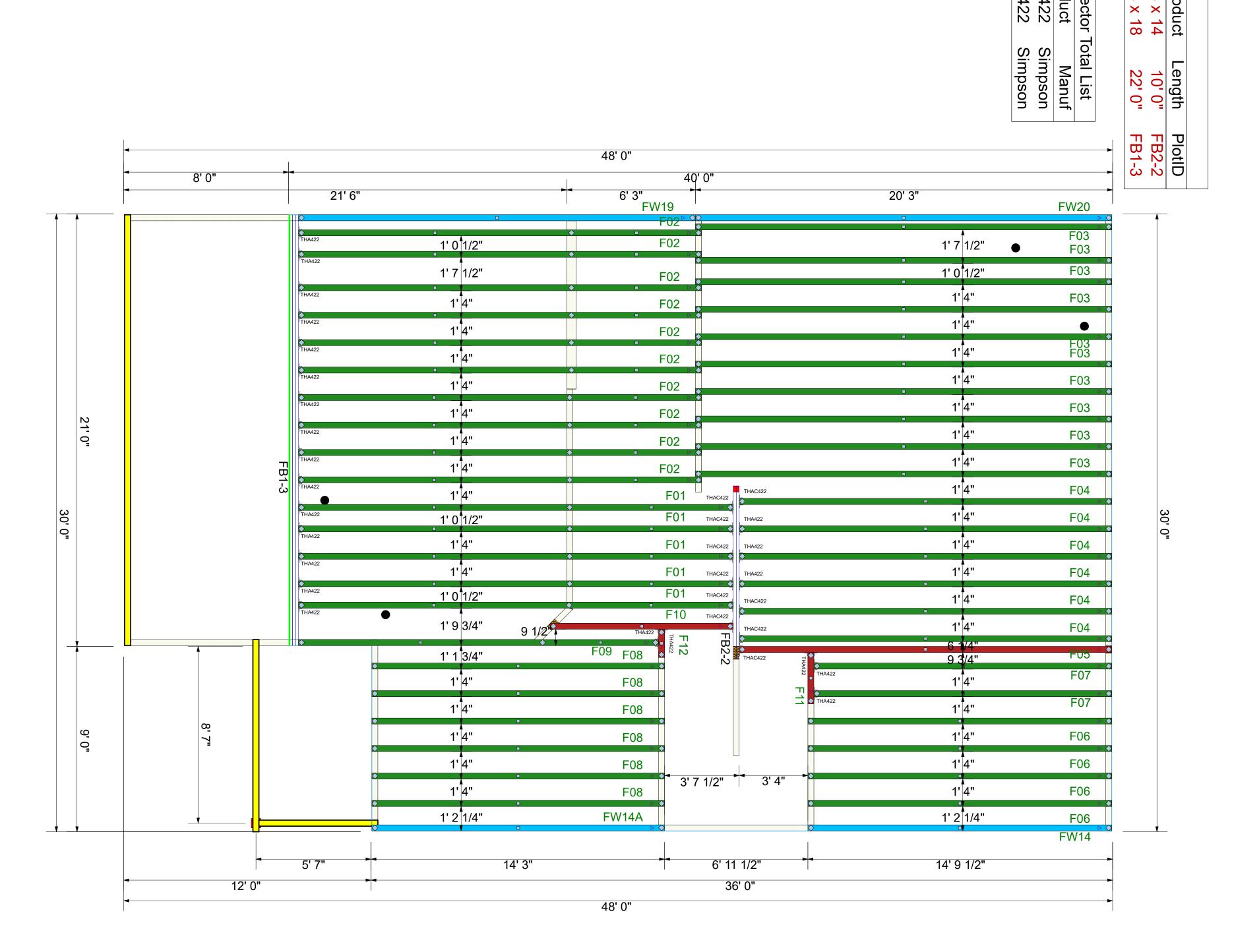
8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death.

Apprved by: \_\_\_\_

Date: \_\_\_\_\_

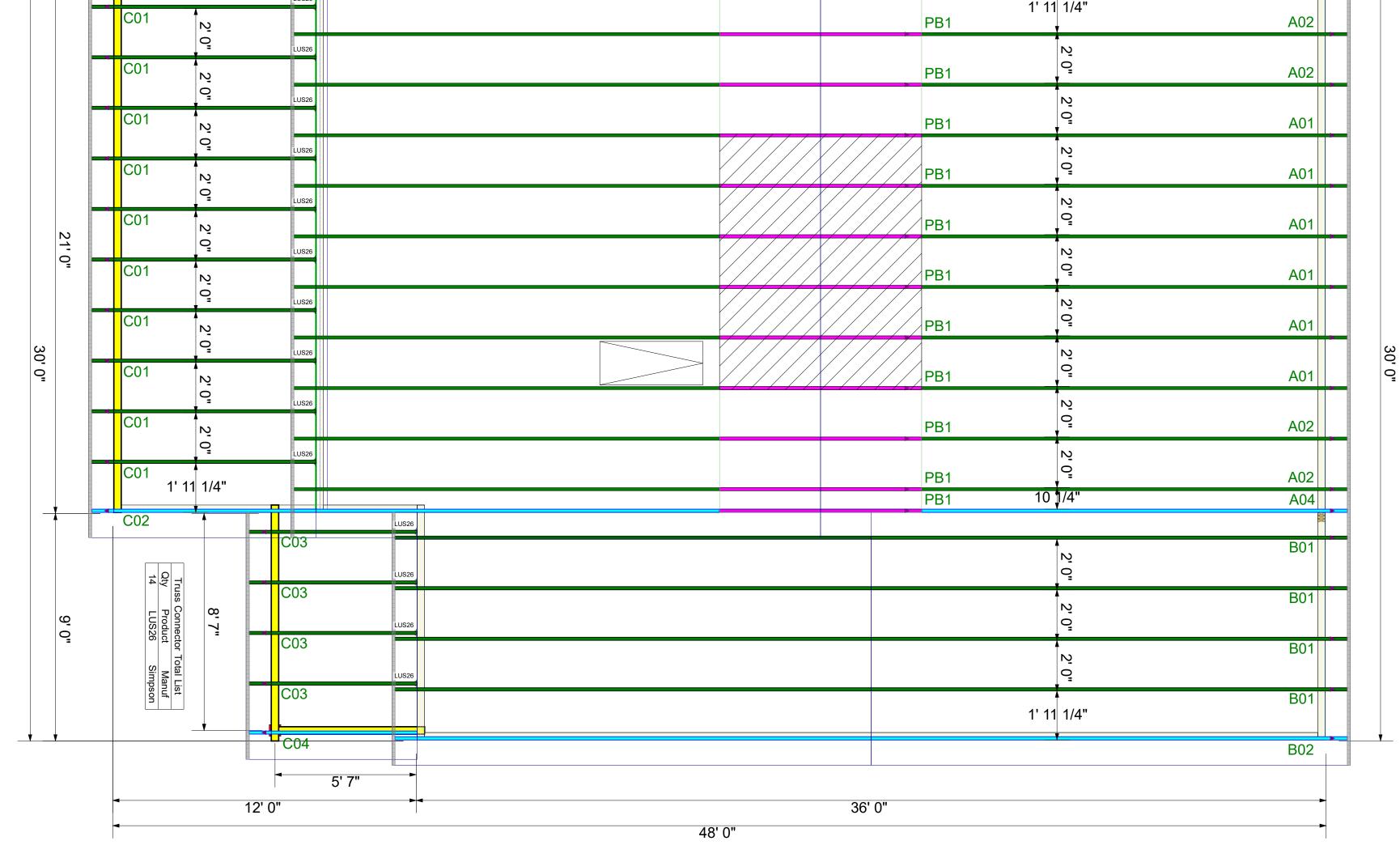
* FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS.	** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.	
Truss Drawing Left End Indicator		
		Fab Type FF
		++       +       +       +       ++       +<
		us N Plies
		Products 2.0 RigidLam DF LVL 2.0 RigidLam DF LVL Qty 23 10 T
		ts Produ DF LVL 1-3/4 X DF LVL 1-3/4 X Truss Connect Qty 23 THA222 10 THA222

* Cutting or drilling of components should not be done without contacting component supplier first. Customer takes full responsibility for componi-	General Notes:	
ENTS IF CUT BEFORE AUTHORIZATIO	ents should not be done without contacting component supplier first. Customer takes full responsibility for components if cut before authorization of the second	



** GIRDERS MUST BE FULLY CONNECT	TED TOGETHER PRIOR TO ADDING ANY LOADS.	ENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. ** TRUS	S TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.		
Scale: Date: 2/26/ Projec: 2402 Sheet	DRB HOMES NC LLC 68 FARM AT NEILLS CREEK		THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support	00/00/00	Revis 00/00/00 00/00/00 00/00/00
7S 2024 ID ID ID ID ID ID ID ID ID ID ID ID ID	MALBEC 1 COMPONENT PLACEMENT PLAN	<b>Euliding Materials</b> A Division of the Carter Lumber Company	structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179	Nam	sions Name Name

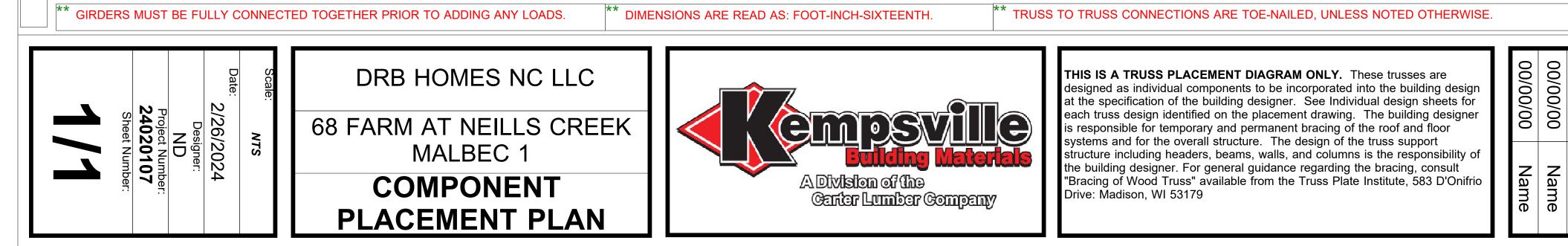
TF	** FRAMER MUST REFER TO PLANS WHILE SETTING	COMPONENTS. ** DAM	AGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.	Ge
RIANGUL	Tru:			General
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BOL NE/	Truss Drawing Left End Indicator			Notes:
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PLC		LUS26	1' 11 1/4"	





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FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION.



00/00/00

Name

00/00/00

Name

Revisions

00/00/00

Name



RE: 24020107 DRB - 68 FaNC **Trenco** 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: 24020107 Lot/Block: Address: City:

Model: Subdivision: State:

# General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.6 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 27 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	163532239	A01	2/9/2024	21	163532259	F11	2/9/2024
2	163532240	A02	2/9/2024	22	163532260	F12	2/9/2024
3	163532241	A03	2/9/2024	23	163532261	FW14	2/9/2024
4	163532242	A04	2/9/2024	24	163532262	FW14A	2/9/2024
5	163532243	B01	2/9/2024	25	163532263	FW19	2/9/2024
6	163532244	B02	2/9/2024	26	163532264	FW20	2/9/2024
7	163532245	C01	2/9/2024	27	163532265	PB1	2/9/2024
8	163532246	C02	2/9/2024				
9	163532247	C03	2/9/2024				
10	163532248	C04	2/9/2024				
11	163532249	F01	2/9/2024				
12	163532250	F02	2/9/2024				
13	163532251	F03	2/9/2024				
14	163532252	F04	2/9/2024				
15	163532253	F05	2/9/2024				
16	163532254	F06	2/9/2024				
17	163532255	F07	2/9/2024				
18	163532256	F08	2/9/2024				
19	163532257	F09	2/9/2024				
20	163532258	F10	2/9/2024				

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Carter Components (Sanford, NC)).

Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2024

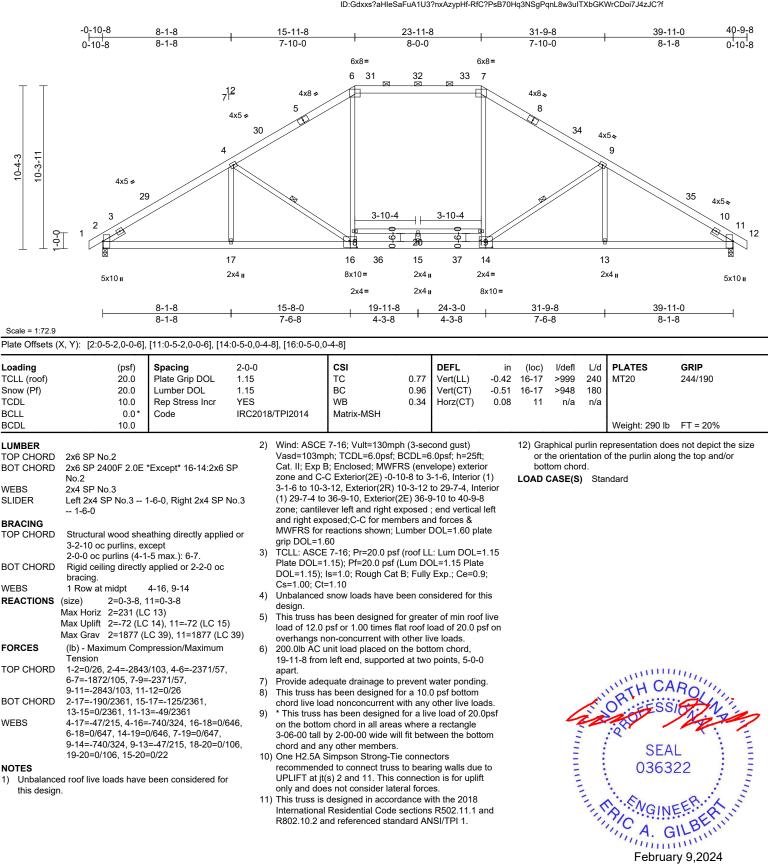
North Carolina COA: C-0844

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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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	DRB - 68 FaNC	
24020107	A01	Piggyback Base	6	1	Job Reference (optional)	163532239

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)



Edenton, NC 27932

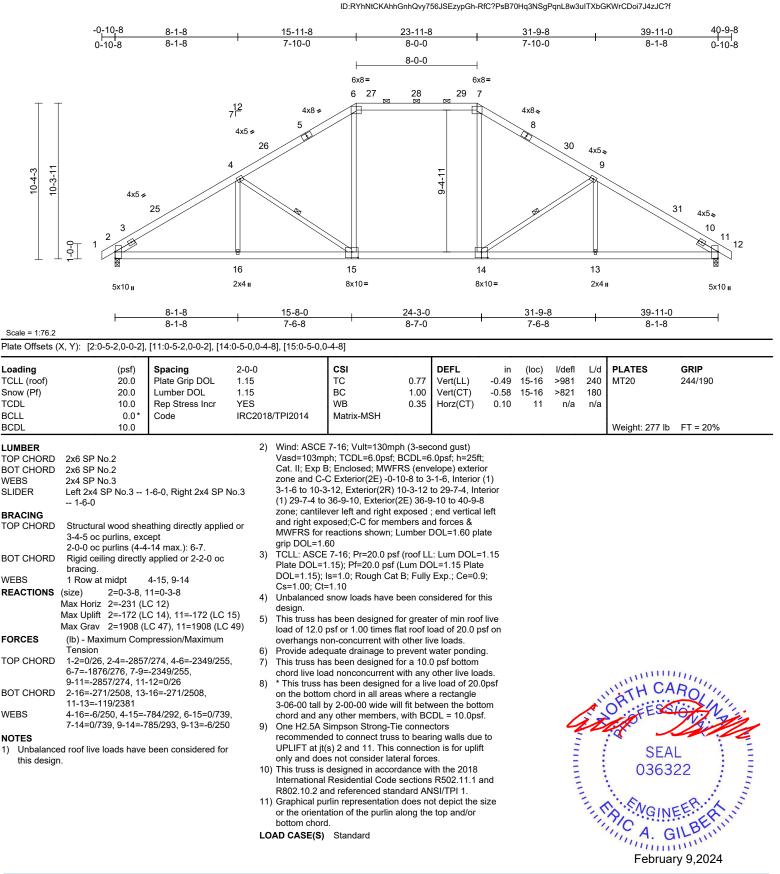
Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	A02	Piggyback Base	4	1	Job Reference (optional)	163532240

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Page: 1

818 Soundside Road

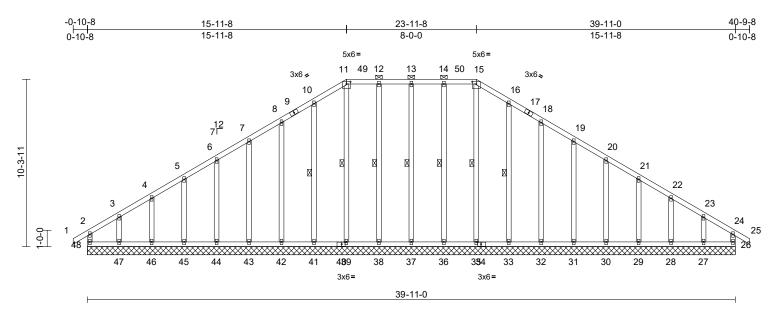
Edenton, NC 27932



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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	A03	Piggyback Base Supported Gable	1	1	Job Reference (optional)	163532241

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Scale = 1:71

00010 1.11	
Plate Offsets (X, Y):	[11:0-3-0,0-1-12], [15:0-3-0,0-1-12], [34:0-2-8,0-1-8], [40:0-2-8,0-1-8]

	, , , , , , , , , , , , , , , , , , , ,	0-3-0,0-1-1	2], [15:0-3-0,0-1-12], [ I	04.0-2-0,0-1-0], [40.0	-2-0,0-1-0j	-								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-	MR	0.18 0.09 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) - - 26	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 310 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc µ 2-0-0 oc µ Rigid ceili	o.2 o.3 o.3 I wood she purlins, ex purlins (6-0	athing directly applied cept end verticals, and -0 max.): 11-15. applied or 6-0-0 oc		Max Grav 26=163 (LC 47), 27=193 (LC 25), 28=159 (LC 39), 29=163 (LC 25), 30=186 (LC 43), 31=219 (LC 43), 32=214 (LC 43), 33=227 (LC 43), 35=162 (LC 51), 36=225 (LC 38), 37=212 (LC 38), 38=225 (LC 38), 39=172 (LC 53), 41=227 (LC 41), 42=214 (LC 41), 43=219 (LC 41), 44=186 (LC 41), 45=165 (LC 28), 46=159 (LC 39), 47=217 (LC 24), 48=204 (LC 49)				WEBS	6	11-39 8-42= 5-45= 14-36 16-33 19-31 21-29 23-27	-124/74, 4-46=-1 =-187/50, 15-35 =-188/71, 18-32 =-180/72, 20-30 =-123/74, 22-28 =-134/105	=-188/72, 80/72, 6-44=-147/72, 20/66, 3-47=-148/114 =-123/9, =-175/74, =-147/72, =-121/65,	
WEBS	bracing. 1 Row at	midpt	13-37, 12-38, 11-39,	FORCES	(lb) - Max Tension			on/Maximum		<sup>'</sup> this	s design.			een considered for
	Max Horiz	26=39-11 28=39-11 32=39-11 35=39-11 37=39-11 39=39-11 44=39-11 48=39-11 48=39-11 48=39-11 48=-249 ( 26=-58 (L 28=-34 (L 30=-48 (L 36=-27 (L 38=-25 (L 44=-48 (L	LC 12) C 11), 27=-112 (LC 15 C 15), 29=-52 (LC 15) C 15), 31=-48 (LC 15) C 15), 33=-48 (LC 15) C 11), 37=-26 (LC 10) C 11), 41=-48 (LC 14) C 14), 43=-49 (LC 14) C 14), 45=-53 (LC 14) C 14), 47=-128 (LC 14)	· · · ·	$\begin{array}{c} 3-4=-137\\ 6-7=-103\\ 10-11=-1\\ 12-13=-1\\ 14-15=-1\\ 19-20=-8\\ 21-22=-7\\ 23-24=-1\\ 47-48=-1\\ 45-46=-1\\ 43-44=-1\\ 43-44=-1\\ 38-39=-1\\ 38-39=-1\\ 36-37=-1\\ 33-35=-1\\ 31-32=-1\\ 29-30=-1\end{array}$	/134, 4-5=- /176, 7-8=- 63/298, 11- 43/273, 13- 43/273, 15- 36/254, 18- 4/162, 20-2 1/92, 22-23	128/13 110/20 -12=-14 -14=-14 -16=-10 -19=-11 21=-60 3=-80/8 -25=0/3 -47=-10 -43=-10 -43=-11 -38=-11 -38=-11 -38=-11 -33=-10 -33=-10	13/273, 13/298, 10/207, 119, 0, 20, 24-26=-1: 24/115, 24/11	/254,	Va Ca zoi 3-1 (2N zoi an MV grij	sd=103n t. II; Exp he and C I-6 to 11- N) 27-11- he; cantil d right ex VFRS for p DOL=1	nph; TC B; Enc -C Cor -11-8, ( 8 to 36 lever le cposed r reacti 1.60	closed; MWFRS ner(3E) -0-10-8 Corner(3R) 11-1 3-9-10, Corner(3 ft and right expo ;C-C for membe	DL=6.0psf; h=25ft; (envelope) exterior to 3-1-6, Exterior(2N) 1-8 to 27-11-8, Exterior 36-9-10 to 40-9-8 sed ; end vertical left rs and forces & ber DOL=1.60 plate

February 9,2024

Page: 1

Continued on page 2 WARNING - Verify d

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oblage 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 and DSE2 available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbaccomponents.com)

A MiTek Attiliat 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	A03	Piggyback Base Supported Gable	1	1	Job Reference (optional)	163532241

- 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15)
   Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.10) Truss to be fully sheathed from one face or securely
- braced against lateral movement (i.e. diagonal web). 11) Gable studs spaced at 2-0-0 oc.
- 12) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom
- chord and any other members.
  14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 48, 58 lb uplift at joint 26, 26 lb uplift at joint 37, 25 lb uplift at joint 38, 48 lb uplift at joint 41, 51 lb uplift at joint 42, 49 lb uplift at joint 43, 48 lb uplift at joint 44, 53 lb uplift at joint 45, 31 lb uplift at joint 46, 128 lb uplift at joint 47, 27 lb uplift at joint 36, 48 lb uplift at joint 33, 51 lb uplift at joint 32, 48 lb uplift at joint 31, 48 lb uplift at joint 30, 52 lb uplift at joint 29, 34 lb uplift at joint 28 and 112 lb uplift at joint 27.
- 15) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	A04	Piggyback Base Structural Gable	1	1	Job Reference (optional)	163532242

6-7=-1712/292, 7-8=-1933/303,

15-17=-1972/490, 17-18=0/26

BOT CHORD

8-10=-2002/295, 10-11=-2053/275

11-12=-2127/268, 12-13=-2208/294

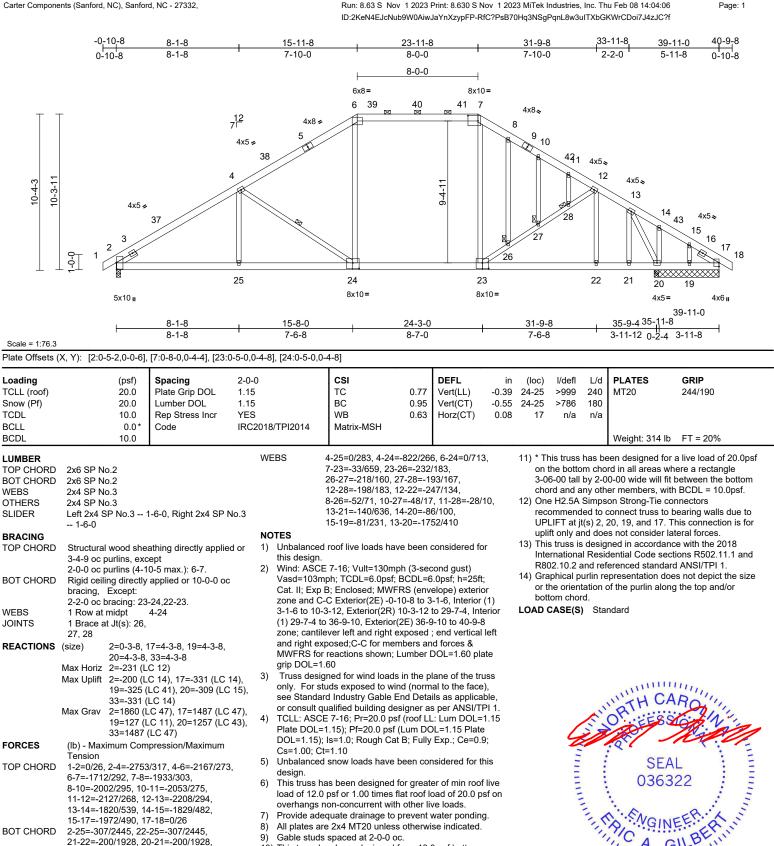
13-14=-1820/539, 14-15=-1829/482,

2-25=-307/2445, 22-25=-307/2445,

21-22=-200/1928, 20-21=-200/1928

19-20=-367/1583, 17-19=-367/1583

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5) design. 6)

- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads
- Provide adequate drainage to prevent water ponding.
- 8) All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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GILB

February 9,2024

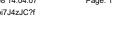
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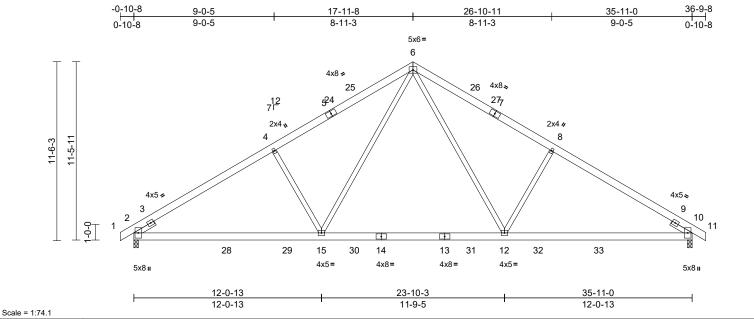
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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	B01	Common	4	1	Job Reference (optional)	163532243

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:07 ID:W3FcQCIZ8e0BDPMRU9iihvzypEs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





### Plate Offsets (X, Y): [2:0-4-2,0-0-14], [10:0-4-2,0-0-14]

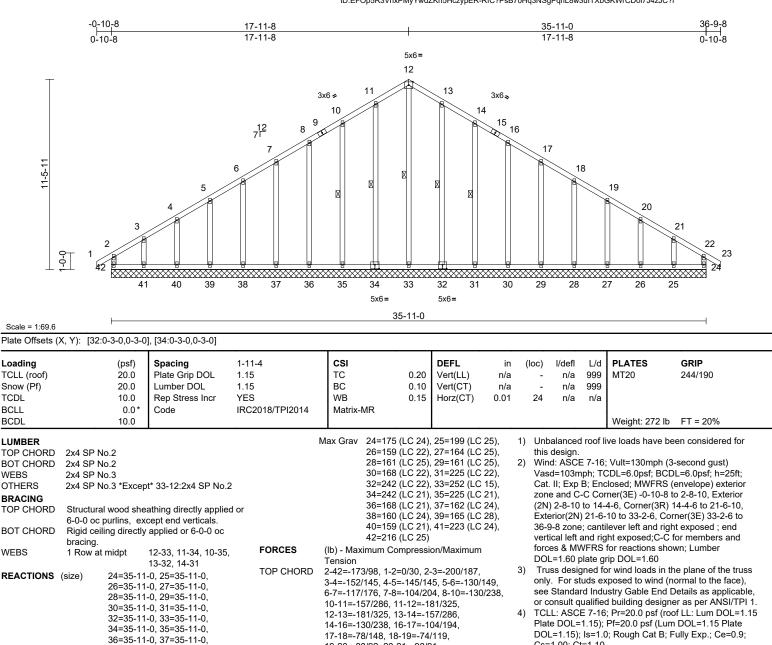
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	], [			· · ·				 			
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20 <sup>7</sup>	18/TPI2014	CSI TC BC WB Matrix-MSH	0.78 0.80 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.22 -0.36 0.06	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 245 lb	<b>GRIP</b> 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES		1-6-0, Right 2x4 SP athing directly applie applied or 10-0-0 or 10=0-3-8 C 12) C 14), 10=-147 (LC C 24), 10=-147 (LC C 24), 10=1760 (LC pression/Maximum 3/233, 4-6=-2285/29; 2=-2474/233, 10-11= -15=-17/1470, 12=-154/1077, 2=-524/311	No.3 4 5 ed or 6 C 7 15) 8 2, 8 0/26 9 L	<ul> <li>Plate DOL= DOL=1.15); Cs=1.00; Ct:</li> <li>Unbalanced design.</li> <li>This truss ha load of 12.0 overhangs n</li> <li>This truss ha chord live lo</li> <li>* This truss la chord live lo</li> <li>* This truss la on the bottoo</li> <li>3-06-00 tall chord and ai</li> <li>One H2.5A s recommend UPLIFT at jo</li> <li>This truss is International</li> </ul>	snow loads have be as been designed for psf or 1.00 times fla on-concurrent with has been designed for ad nonconcurrent w has been designed in m chord in all areas by 2-00-00 wide will ny other members, . Simpson Strong-Tie ed to connect truss (s) 2 and 10. This cr as not consider later designed in accord Residential Code s nd referenced stand	ium DC 3; Fully een col r great t roof l other li r a 10. ith any for a liv where fit betwith BC conne to bear ponnectia al force ance w ections	DL=1.15 Plate Exp.; Ce=0.9 nsidered for the er of min roof oad of 20.0 p ve loads. 0 psf bottom other live loa re load of 20.1 a rectangle veen the botto DL = 10.0psi ctors ing walls due on is for uplif es. ith the 2018 s R502.11.1 a	e 9; his f live sf on ads. 0psf om f. t t			WHTH CA	ROLIN
	n. CE 7-16; Vult=130mph										·Q	K.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-8-10, Interior (1) 2-8-10 to 14-4-6, Exterior(2R) 14-4-6 to 21-6-10, Interior (1) 21-6-10 to 33-2-6, Exterior(2E) 33-2-6 to 36-9-8 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 SEAL 036322 MGINEERH February 9,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	B02	Common Supported Gable	1	1	Job Reference (optional)	163532244

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:08 ID:EFOp5R3VnxPMyYwdZKh5HczypER-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



19-20=-88/92, 20-21=-98/91

41-42=-116/133, 40-41=-116/133,

39-40=-116/133, 38-39=-116/133,

37-38=-116/133, 36-37=-116/133,

35-36=-116/133, 33-35=-116/133,

31-33=-117/134, 30-31=-117/134,

29-30=-117/134, 28-29=-117/134,

27-28=-117/134, 26-27=-117/134

25-26=-117/134, 24-25=-117/134

12-33=-264/91, 11-34=-204/62,

3-41=-151/120, 13-32=-204/61, 14-31=-186/78, 16-30=-130/71, 17-29=-123/72, 18-28=-122/72, 19-27=-123/74, 20-26=-120/64,

21-25=-138/111

21-22=-139/124, 22-23=0/30, 22-24=-141/57

10-35=-186/78, 8-36=-130/71, 7-37=-123/72,

6-38=-122/71, 5-39=-124/74, 4-40=-120/65,

Cs=1.00; Ct=1.10 5) Unbalanced snow loads have been considered for this design.



Continued on page 2

38=35-11-0, 39=35-11-0,

40=35-11-0, 41=35-11-0,

26=-32 (LC 15), 27=-53 (LC 15),

28=-48 (LC 15), 29=-49 (LC 15),

30=-47 (LC 15), 31=-55 (LC 15),

32=-37 (LC 15), 34=-39 (LC 14),

35=-55 (LC 14), 36=-48 (LC 14),

37=-49 (LC 14), 38=-47 (LC 14),

39=-54 (LC 14), 40=-28 (LC 14),

41=-140 (LC 14), 42=-120 (LC 10)

Max Uplift 24=-68 (LC 11), 25=-123 (LC 15),

42=35-11-0

Max Horiz 42=-275 (LC 12)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcaccomponents.com)

BOT CHORD

WEBS

NOTES

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	B02	Common Supported Gable	1	1	Job Reference (optional)	163532244

Run: 8.63 S. Nov. 1 2023 Print: 8.630 S. Nov. 1 2023 MiTek Industries. Inc. Thu Feb 08 14:04:08

ID:EFOp5R3VnxPMyYwdZKh5HczypER-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

Carter Components (Sanford, NC), Sanford, NC - 27332,

- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) 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.
- 12) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 42, 68 lb uplift at joint 24, 39 lb uplift at joint 34, 55 lb uplift at joint 35, 48 lb uplift at joint 36, 49 lb uplift at joint 37, 47 lb uplift at joint 38, 54 lb uplift at joint 39, 28 lb uplift at joint 40, 140 lb uplift at joint 41, 37 lb uplift at joint 32, 55 lb uplift at joint 31, 47 lb uplift at joint 30, 49 lb uplift at joint 29, 48 lb uplift at joint 28, 53 lb uplift at joint 27, 32 lb uplift at joint 26 and 123 lb uplift at joint 25.
- 14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

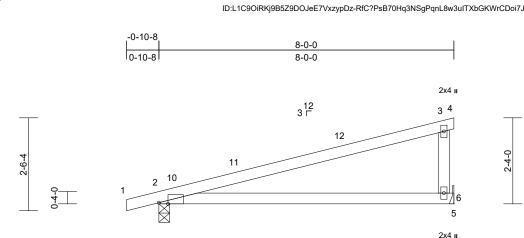
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	C01	Monopitch	10	1	Job Reference (optional)	163532245

### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:10 ID:L1C9OiRKj9B5Z9DOJeE7VxzypDz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3x5 =



Scale = 1:31.2

# Plate Offsets (X, Y): [2:0-2-15,Edge]

	301									
Loading         (psf)           TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC 0.97 BC 0.94 WB 0.00 Matrix-MP	Vert(CT)	in -0.25 -0.45 0.01	6-9	l/defl >364 >205 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 28 lb	<b>GRIP</b> 244/190 FT = 20%
BOT CHORD REACTIONS (size) 2=0-3-8 Max Horiz 2=81 (L Max Uplift 2=-78 ( Max Grav 2=450 (	tly applied. (a, 6= Mechanical (C 13) (C 10), 6=-55 (LC 14) (LC 21), 6=432 (LC 21) (LC 21), 6=432 (LC 21), 6=432 (LC 21) (LC 21), 6=432 (LC 21),	<ul> <li>chord live loa</li> <li>* This truss h on the bottor 3-06-00 tall b chord and ar</li> <li>7) Refer to gird</li> <li>8) Provide mec bearing plate</li> <li>6.</li> <li>9) One H2.5A S recommende UPLIFT at jt( does not con</li> <li>10) This truss is International R802.10.2 at</li> <li>LOAD CASE(S)</li> </ul>	sis been designed for a 10 ad nonconcurrent with an has been designed for a 1 n chord in all areas wher yy 2-00-00 wide will fit be yo other members. er(s) for truss to truss to hanical connection (by of e capable of withstanding Simpson Strong-Tie conn d to connect truss to ber (s) 2. This connection is f isider lateral forces. designed in accordance Residential Code section nd referenced standard <i>A</i> Standard	y other live load ive load of 20.0 e a rectangle tween the botto mections. hers) of truss to 55 lb uplift at jo ectors uring walls due to or uplift only and with the 2018 as R502.11.1 ar	psf m o int d			25	SEA 0363	EER BERT

- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.



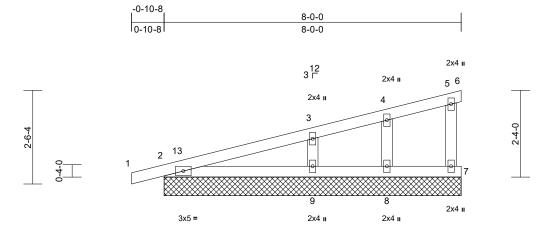
A. Ginn February 9,2024

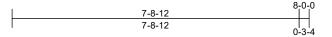
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut before the Structure Building former the Advection (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC		
24020107	C02	Monopitch Supported Gable	2	1	Job Reference (optional)	163532246	

### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:10 ID:B?8iMB74HgN0uw3L96IUJyzypD4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:31

Loading         (psf)           TCLL (roof)         20.0           Snow (Pf)         20.0           TCDL         10.0           BCLL         0.0*           BCDL         10.0	Plate Grip DOL1.1Lumber DOL1.1Rep Stress IncrYE	15	BC	0.19 0.19 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 31 lb	<b>GRIP</b> 244/190 FT = 20%
6-0-0 oc purlins, ext           BOT CHORD         Rigid ceiling directly bracing. <b>REACTIONS</b> (size)         2=8-0-0, 1           Max Horiz         2=78 (LC           Max Uplift         2=-46 (LC           0=-46 (LC         10=-46 (LC           Max Grav         2=215 (LC	applied or 10-0-0 oc 7=8-0-0, 8=8-0-0, 100=8-0-0 13), 10=78 (LC 13) 10), 7=-14 (LC 14), 10), 9=-56 (LC 14), C 10) 2 21), 7=108 (LC 21), C 21), 9=400 (LC 21), C 21), 9=400 (LC 21), C 21) pression/Maximum 7, 3-4=-43/49, 0, 5-7=-88/38 /44, 7-8=-24/44 122/117 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior 8 to 2-1-8, Exterior(2N) to 8-0-0 zone; ; end vertical left and and forces & MWFRS	<ul> <li>only. For stusee Standard or consult quide see Standard or CL: A see Standard or CL</li></ul>	snow loads have been s been designed for option of the state on-concurrent with or es continuous botton spaced at 2-0-0 oc. s been designed for at onoconcurrent with as been designed for n chord in all areas y 2-00-00 wide will for yo other members. hanical connection (to capable of withstan at joint 7, 56 lb uplift 46 lb uplift at joint 2 designed in accordar Residential Code se and referenced standard	(norma I Detai I Detai I Detai I Detai I m DO I m I m I m DO I m I m I m Hy I m DO I m I m I m Hy I m DO I m I m I m Hy I m DO I m I m I m Hy I m I m I m DO I m I m I m I m Hy I m DO I m I m I m I m Hy I m I m I m I m I m Hy I m I m I m I m I m I m I m I m I m I	al to the face is as applical per ANSI/TF : Lum DOL=: L=1.15 Plate Exp.; Ce=0.9 sidered for th er of min roof ad of 20.0 ps e loads. d bearing. psf bottom other live loa e load of 20.0 a rectangle een the bottot ers) of truss t 6 lb uplift at ju t 9, 20 lb up th the 2018 R502.11.1 a	), ole, PI 1. 1.15 ); live sf on ds. opsf om oint lift				SEA 0363	• -

- 2-1-8 to 5-0-0, Corner(3E) 5-0-0 to 8-0-0 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
  - WARNING Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut before the Structure Building former the Advection (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



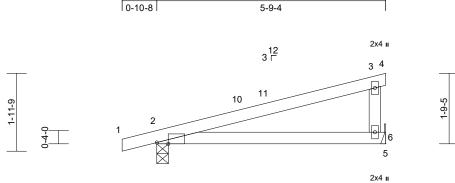
GILB

A. A. GIL February 9,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	C03	Monopitch	4	1	Job Reference (optional)	163532247

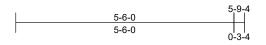
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Page: 1



3x5 =

-0-10-8



5-9-4

Scale = 1:29

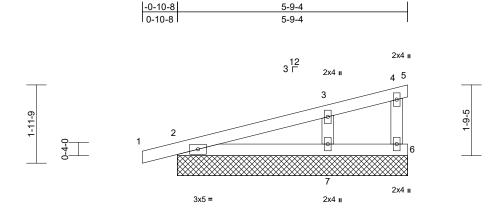
# Plate Offsets (X, Y): [2:0-3-7,Edge]

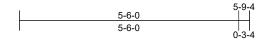
, and encode ()	(, 1): [2:0 0 1,2ug0]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-MP	0.57 0.50 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.12 0.00	(loc) 6-9 6-9 2	l/defl >943 >542 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 21 lb	<b>GRIP</b> 244/190 FT = 20%
WEBS BRACING TOP CHORD BOT CHORD REACTIONS ( FORCES TOP CHORD BOT CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=103n Cat. II; Exp zone and C 2.1-8 to 2-6 cantilever la right exposi- for reaction DOL=1.60 2) TCLL: ASC Plate DOL= DOL=1.15) Cs=1.00; C 3) Unbalancee design. 4) This truss h load of 12.0	Max Horiz 2=59 (LC Max Uplift 2=-66 (LC Max Grav 2=369 (LC (lb) - Maximum Com Tension 1-2=0/18, 2-3=-183/ 3-6=-220/140 2-6=-76/165, 5-6=0/ E 7-16; Vult=130mph nph; TCDL=6.0psf; Br B; Enclosed; MWFR -C Exterior(2E) 2-9-4 ed; C-C for members - Is shown; Lumber DO E 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L ; Is=1.0; Rough Cat E	cept end verticals. applied or 10-0-0 or 3= Mechanical 13) 2 10), 6=-39 (LC 14) 2 21), 6=312 (LC 21) pression/Maximum 53, 3-4=-6/0, 0 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterio -8 to 2-1-8, Interior ( to 59-4 zone; ; end vertical left and and forces & MWFR L=1.60 plate grip roof LL: Lum DOL=1 um DOL=1.15 Plate s; Fully Exp.; Ce=0.9 een considered for th r greater of min roof t roof load of 20.0 ps	6) ed or 7) 5 8) 9) ) 10 LC r (1) d S l.15 ; iis live	chord live loc * This truss I on the bottoo 3-06-00 tall I chord and ar Refer to gird Provide mec bearing plate 6. One H2.5A S recommend UPLIFT at jt does not cor ) This truss is International	as been designed i ad nonconcurrent i has been designed m chord in all area by 2-00-00 wide w ny other members ier(s) for truss to tr chanical connection e capable of withst Simpson Strong-Ti ed to connect truss (s) 2. This connect nsider lateral force designed in accor Residential Code nd referenced star Standard	with any d for a liv s where ill fit betw uss com n (by oth tanding 3 ie conne s to bear tion is fo s. dance w sections	other live load e load of 20. a rectangle ween the bott nections. ers) of truss 89 lb uplift at ctors ing walls due r uplift only at ith the 2018 \$ R502.11.1 at	0psf com to joint e to nd				SEA 0363	EER ALI

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut before the Structure Building former the Advection (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	C04	Monopitch Supported Gable	1	1	Job Reference (optional)	163532248

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:11 ID:Bpk\_3dk3HLomWmT8eJAStizypCH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:28.9

Loading	(psf)	Spacing	1-11-4	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		(- )						
BCDL	10.0										Weight: 22 lb	FT = 20%
LUMBER TOP CHORD	2x4 SP No.2			CE 7-16; Pr=20.0   .=1.15); Pf=20.0 ps								
BOT CHORD	2x4 SP No.2		DOL=1.15	i); Is=1.0; Rough C	at B; Fully	Exp.; Ce=0.	9;					
WEBS	2x4 SP No.3		Cs=1.00;	Ct=1.10								
OTHERS	2x4 SP No.3		4) Unbalanc	ed snow loads hav	e been co	nsidered for t	his					
BRACING			design.									
TOP CHORD	Structural wood she 5-9-4 oc purlins, ex	eathing directly applie	load of 12	has been designe .0 psf or 1.00 time	s flat roof l	oad of 20.0 p						
BOT CHORD		/ applied or 10-0-0 o	6) Gable req	non-concurrent w uires continuous b	ottom cho							
REACTIONS	(size) 2=5-9-4,	5=5-9-4, 6=5-9-4,		ds spaced at 2-0-0		0						
	7=5-9-4,	8=5-9-4		has been designe load nonconcurrer			do					
	Max Horiz 2=57 (LC	; 11), 8=57 (LC 11)		s has been design								
	Max Uplift 2=-49 (LC		6=-12 ' on the bot	tom chord in all ar			ры					
	(LC 7), 7	=-52 (LC 14), 8=-49		Il by 2-00-00 wide			om					
	10)		chord and	any other membe		ween the bott	om					
	Max Grav 2=240 (L		, 6=4 10) Provide m	echanical connect		ers) of truss t	h					
		7=378 (LC 21), 8=24		ate capable of with								
	21)			ift at joint 5, 12 lb u								
FORCES	(lb) - Maximum Con Tension	npression/Maximum	joint 7 and	A 49 lb uplift at joint late or shim require	t 2.							
TOP CHORD	1-2=0/17, 2-3=-79/6	60, 3-4=-33/28, 4-5=-		th truss chord at jo			9					
	4-6=-14/32			is designed in acc							minin	11111
BOT CHORD	2-7=-22/82, 6-7=-17	7/32		nal Residential Co			nd				W'TH CA	ARO'L
WEBS	3-7=-268/243			and referenced st						-	A1	
NOTES			LOAD CASE	S) Standard						5.	O'	SICANY
1) Wind: AS	CE 7-16; Vult=130mpl	(3-second aust)		e, etanuara					- 2	20	20	1 tost
	Bmph; TCDL=6.0psf; B								(*		:0	K. 1.
	p B; Enclosed; MWFF								-		0.54	
	C-C Corner(3E) -0-10								_	:	SEA	AL : =
	-9-4 zone; cantilever le								=		0363	222 : =
	al left and right expose								-	2	0505	
forces & N	/WFRS for reactions	shown; Lumber							-	. e	•	1 S
	) plate grip DOL=1.60									-	·	airs
	signed for wind loads i studs exposed to wind									115	SEA 0363	EEEP
	ard Industry Gable Er										A C	ALBEIN

- zone and C-C Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 5-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss 2) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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818 Soundside Road Edenton, NC 27932

GILB

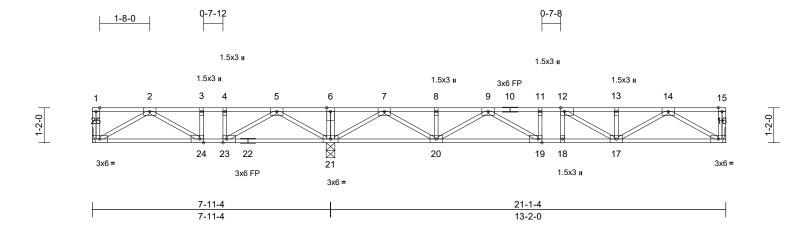
February 9,2024

A. GILIN

Job	Truss	т	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F01	F	Floor	5	1	Job Reference (optional)	163532249

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:11 ID:OCrecDxPXX19myk2T7iUyAznBd4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



### Scale = 1:38.4

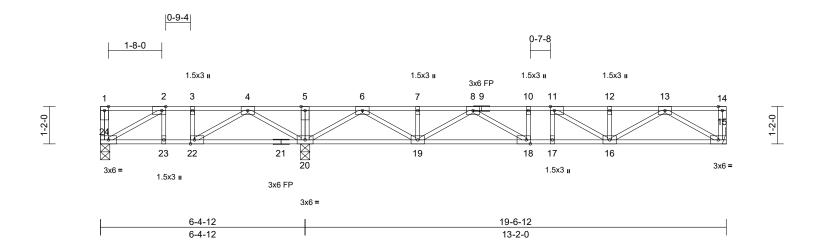
Plate Offsets (	(X, Y): [12:0-1-8,Edge	], [19:0-1-8,Edge], [2	23:0-1-8,Edg	je], [24:0-1-8,	Edge]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/	TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.37 0.32 0.33	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.07 0.01	(loc) 19 19-20 16	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 110 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%
LUMBER TOP CHORD 30T CHORD WEBS BRACING TOP CHORD 30T CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 16= Mech Mechanic Max Uplift 25=30 (L Max Grav 16=413 (L	cept end verticals. applied or 6-0-0 oc nanical, 21=0-3-8, 25 al C 4) _C 4), 21=963 (LC 1)	5) ed or 6) = 7) LOA	bearing plate 25. This truss is of International R802.10.2 ar Recommend 10-00-00 oc a (0.131" X 3") at their outer	nanical connection capable of withst designed in accorr Residential Code nd referenced star 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained o not erect truss to Standard	anding 3 dance w sections ndard AN on edge ach truss ks to be d by othe	ith the 2018 R502.11.1 a ISI/TPI 1. spaced at with 3-10d attached to ver means.	joint and					
ORCES	25=237 (L (Ib) - Maximum Com	,											
TOP CHORD BOT CHORD	2-3=-359/251, 3-4=- 5-6=0/893, 6-7=0/89 8-9=-606/0, 9-11=-1 12-13=-979/0, 13-14	359/251, 4-5=-359/2 93, 7-8=-606/0, 120/0, 11-12=-1120/ I=-979/0, 14-15=0/0 24=-251/359, -21=-157/22,	0,								-03	WITH CA	ROJ
WEBS	6-17-0/809 6-21=-138/0, 5-21=- 5-23=0/473, 2-24=-1 4-23=-188/0, 7-21=- 7-20=0/702, 14-17=1 3-17=-132/0, 9-20= 9-19=0/288, 11-19=-	195/59, 3-24=-29/80, 940/0, 14-16=-705/0 0/432, 8-20=-115/0, 436/0, 12-17=-229/	, ,							6	h	OF FESS SEA 0363	
this design 2) All plates	ed floor live loads have	e been considered fo otherwise indicated.	r								A A A A A A A A A A A A A A A A A A A	AIC A. C	EERA



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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F02	Floor	10	1	Job Reference (optional)	163532250

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:12 ID:o22Co2BypgZJA0FueK3AmNznBcm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



### Scale = 1:36

Plate Offsets (	X, Y): [2:0-1-8,Edge],	[11:0-1-8,Edge], [18	8:0-1-8,Ec	ge], [22:0-1-8,E	dge]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC20 <sup>2</sup>	8/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.36 0.32 0.33	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.07 0.01	(loc) 18 18-19 15	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 103 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
	2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing.	cept end verticals. applied or 6-0-0 oc nanical, 20=0-3-8, C 4) _C 7), 20=922 (LC 1	6	recommende UPLIFT at jti does not cor ) This truss is International R802.10.2 a ) Recommend 10-00-00 oc (0.131" X 3" at their outer	Simpson Strong-Ti ad to connect truss s) 24. This conne- usider lateral force designed in accor Residential Code nd referenced star 2x6 strongbacks, and fastened to et nails. Strongbac ends or restraine to not erect truss to Standard	s to bear ction is for dance w sections ndard AN on edge ach truss ks to be d by othe	ing walls due or uplift only s s R502.11.1 a ISI/TPI 1. e, spaced at s with 3-10d attached to v er means.	and					
FORCES	(lb) - Maximum Com	,											
TOP CHORD	Tension 1-24=-68/0, 14-15=- 2-3=-203/193, 3-4=- 5-6=0/865, 6-7=-643 8-10=-1142/0, 10-11 12-13=-992/0, 13-14	203/193, 4-5=0/865 8/0, 7-8=-643/0, =-1142/0, 11-12=-9	,										
BOT CHORD	,	-23=-193/203, 20=-124/65, 18-19=0										OR HESS	ROUL
this desigr 2) All plates a	5-20=-135/0, 4-20=- 4-22=0/399, 2-23=-6 6-20=-936/0, 13-15= 13-16=0/439, 7-19=- 8-19=-432/0, 11-16= 10-18=-81/0, 11-17= ed floor live loads have	591/0, 2-24=-233/22 59/3, 3-22=-141/0, 713/0, 6-19=0/696 -114/0, 12-16=-132// 240/32, 8-18=0/28 54/38 been considered for otherwise indicated.	21, , 0, 2,							4	ès	SEA 0363	22 ERRALIUM



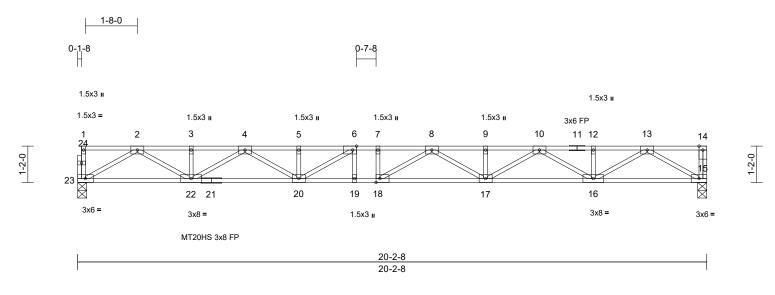
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut before the Structure Building former the Advection (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

A. GI Min Gillin February 9,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F03	Floor	10	1	Job Reference (optional)	163532251

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:12 ID:5fVGrGT?92av2i5V2MVpkRznBcO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:37

### Plate Offsets (X, Y): [6:0-1-8,Edge], [18:0-1-8,Edge]

	X, Y): [0:0-1-6,Edge],	, [18:0-1-8,Edge]									-	
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.37 0.73 0.50	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.34 -0.47 0.07	(loc) 17-18 17-18 15	l/defl >705 >509 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 104 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F, 11%E
BCDL	5.0	Code	IRG2016/1P12014	Matrix-MISH							weight: 104 lb	FI = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat) *E No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)	xcept* 21-15:2x4 SF	0.131" X (0.131" X at their o 6) CAUTIO	end 2x6 strongbacks oc and fastened to ( 3") nails. Strongba uter ends or restrain N, Do not erect truss (S) Standard	each truss cks to be ed by othe	with 3-10d attached to w er means.	valls					
BRACING				. ,								
TOP CHORD	Structural wood she		ed or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.		c									
REACTIONS	(size) 15=0-3-8,	23=0-3-8										
	Max Grav 15=732 (I	LC 1), 23=728 (LC 1	)									
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension 1-23=-48/0, 14-15=- 2-3=-2049/0, 3-4=-2 5-6=-3187/0, 6-7=-3 8-9=-3193/0, 9-10=- 12-13=-2047/0, 13-1	049/0, 4-5=-3187/0, 474/0, 7-8=-3474/0, 3193/0, 10-12=-204										
BOT CHORD	22-23=0/1154, 20-2 18-19=0/3474, 17-1 15-16=0/1155	2=0/2718, 19-20=0/3	· ·								mm	1111
WEBS	13-15=-1336/0, 2-23 2-22=0/1045, 12-16 10-16=-786/0, 4-22= 4-20=0/548, 9-17=-1 8-17=-309/0, 6-20=- 6-19=-58/106, 7-18=	=-107/0, 3-22=-111// =-780/0, 10-17=0/55 106/0, 5-20=-135/9, 508/42, 8-18=-210/2	0, 2,						4	A. C.	ORTH CA	The second
NOTES 1) Unbalance	ed floor live loads have	been considered fo	nr.						=		0363	• -

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x5 MT20 unless otherwise indicated.
- 4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

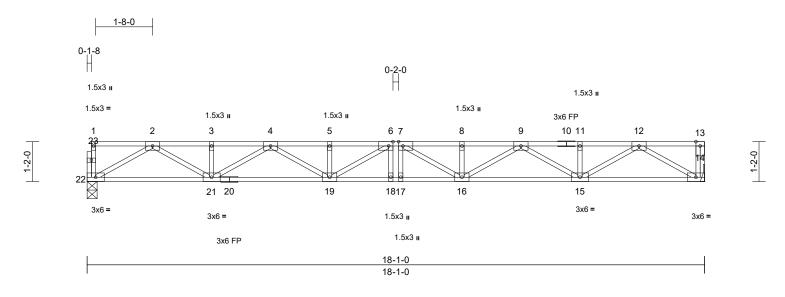


Page: 1

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F04	Floor	6	1	Job Reference (optional)	163532252

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:13 ID:9Yvx\_OfPdfTnL0kOR0GKrcznBc9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:33.7

# Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.23	<b>1</b> 8	>930	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.32	18	>676	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.06	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 95 lb	FT = 20%F, 11%E
LUMBER			5) Recomme	nd 2x6 strongbacks	. on edae	e, spaced at						
TOP CHORD	2x4 SP No.2(flat)			c and fastened to e								
BOT CHORD	2x4 SP No.2(flat)		(0.131" X 3	3") nails. Strongbac	ks to be	attached to w	alls					
WEBS	2x4 SP No.3(flat)		at their out	er ends or restraine	d by othe	er means.						
OTHERS	2x4 SP No.3(flat)		<ol><li>CAUTION,</li></ol>	Do not erect truss	backward	ls.						
BRACING	. ,		LOAD CASE(S	<ol> <li>Standard</li> </ol>								
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	с									
	bracing.											
REACTIONS	(size) 14= Mech	nanical, 22=0-3-8										
	Max Grav 14=654 (I	_C 1), 22=650 (LC 1)	)									
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-22=-48/0, 13-14=-											
	2-3=-1787/0, 3-4=-1	, ,										
	5-6=-2674/0, 6-7=-2	, ,										
	8-9=-2674/0, 9-11=-	1787/0, 11-12=-178	7/0,									
	12-13=0/0	1-0/0006 10 10-0/0	0700									
BOT CHORD	21-22=0/1020, 19-2	,										
	17-18=0/2798, 16-1 14-15=0/1022	1=0/2198, 15-16=0/2	2320,									
WEBS	12-14=-1182/0, 2-22	0-1177/0 12-15-0/8	803								minin	11111
WEBS	2-21=0/895, 11-15=										IN'TH CA	ROUL
	9-15=-630/0, 4-21=-		,							1.1	A	Chille Start
	4-19=0/406, 8-16=-1	, , ,							/		O .: EES	Di Vil
	7-16=-309/114, 6-19		6/85,						4	27		a star
	7-17=-76/85										:0	1. 2
NOTES											CEA	1 I E -
1) Unbalance	ed floor live loads have	been considered fo	or						=		SEA	• •
this design	۱.								=	:	0363	22 : =
a) All 1 ( <sup>-</sup>										· · · · · · · · · · · · · · · · · · ·		

All plates are 3x5 MT20 unless otherwise indicated. 2)

3) Refer to girder(s) for truss to truss connections. 4) This truss is designed in accordance with the 2018

International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



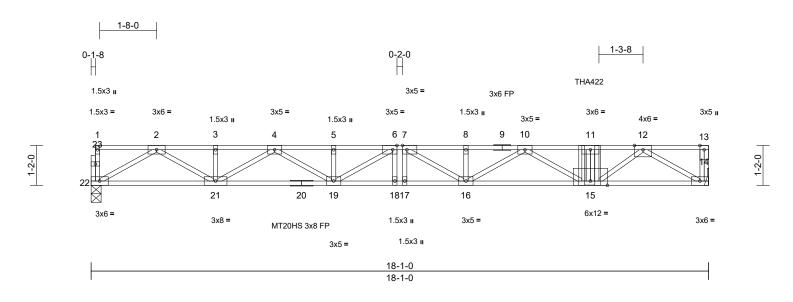
Page: 1

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ſ	Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
	24020107	F05	Floor Girder	1	1	Job Reference (optional)	163532253

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:13 ID:I1\_Yzn4sX6gPLI1q80rDynznBZ1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:33.7

# Plate Offsets (X, Y): [6:0-1-8,Edge], [7:0-1-8,Edge]

1 1010 0110010 (	, , , , [e.e : e,=uge]	, [::::::::::::::::::::::::::::::::::::											
Loading TCLL TCDL	(psf) 40.0 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00		CSI TC BC	0.37 0.80	<b>DEFL</b> Vert(LL) Vert(CT)	in -0.29 -0.40	(loc) 16-17 16-17	l/defl >745 >540	L/d 480 360	PLATES MT20HS MT20	<b>GRIP</b> 187/143 244/190
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IRC201	8/TPI2014	WB Matrix-MSH	0.73	Horz(CT)	0.07	14	n/a	n/a	Weight: 99 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) *E No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	except* 20-14:2x4 SP eathing directly applie cept end verticals. applied or 10-0-0 oc	5) 6) 7) d or 8) ; 9)	Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, E Use Simpso or equivalen (es) to front 1 Fill all nail ho In the LOAD	2x6 strongbacks, and fastened to ea nails. Strongback ends or restrainee to not erect truss b n Strong-Tie THA4 t at 14-7-4 from the face of top chord. oles where hanger CASE(S) section, are noted as front (	ich truss is to be I by othe ackward 22 (Sing e left end is in cor loads a	s with 3-10d attached to w er means. ds. gle Chord Gir d to connect f ntact with lum pplied to the	der) truss Iber.					
	(size) 14= Mech Max Grav 14=1047	nanical, 22=0-3-8 (I.C. 1), 22=740 (I.C. /	4)		or Live (balanced):	Lumbe	r Increase=1.	.00,					
FORCES	(lb) - Maximum Corr		• /	Plate Increa Uniform Lo									
TOP CHORD	Tension 1-22=-48/0, 13-14=- 2-3=-2092/0, 3-4=-2 5-6=-3273/0, 6-7=-3 8-10=-3613/0, 10-1 <sup>-</sup> 11-12=-2964/0, 12- <sup>-</sup> 21-22=0/1175, 19-2	2092/0, 4-5=-3273/0, 5570/0, 7-8=-3613/0, 1=-2964/0,	570	Vert: 14-	22=-7, 1-13=-67 ed Loads (lb)								
BOT CHOILD	,	7=0/3570, 15-16=0/3	,										unin,
WEBS	11-15=-624/0, 3-21= 4-21=-804/0, 10-16= 8-16=-129/0, 5-19=-	2=-1356/0, 2-21=0/10 =-111/0, 10-15=-516/ =0/229, 4-19=0/575, -121/0, 7-16=-99/323 -28/144, 7-17=-135/3	0, <sup>´</sup>							4		ORTH CA	ROLIN
<ul> <li>this design</li> <li>2) All plates a</li> <li>3) Refer to gi</li> <li>4) This truss Internation</li> </ul>	ed floor live loads have	s otherwise indicated ss connections. ance with the 2018 ections R502.11.1 ar	I.								A A A A A A A A A A A A A A A A A A A	SEA 0363	EER. Kuin

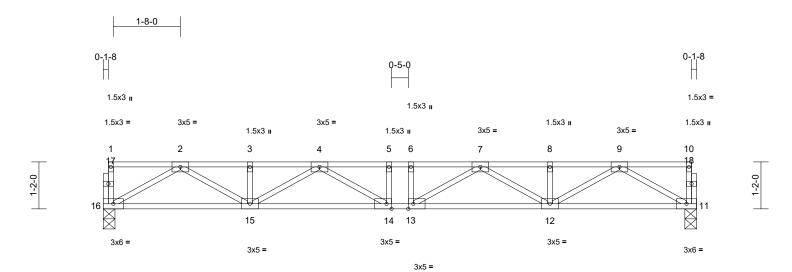
818 Soundside Road Edenton, NC 27932

GI minimum) February 9,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 oclapse 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Stability and the prevention applicable from the Studyter Building Component Advance interpretention applicability for the Studyter Building Component Advance interpretention and the prevention of the study of the trust of the prevention of the study of the trust of the prevention of the study of the study of the prevention of the study of the study of the prevention of the study of the study of the prevention of the study of the study of the study of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the study of the st and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F06	Floor	4	1	Job Reference (optional)	163532254

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:13 ID:aO6VBDuywp\_xl5GEcDd0fqznBbr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



 14-9-0

 14-9-0

 Scale = 1:28.6

 Plate Offsets (X, Y): [13:0-1-8,Edge], [14:0-1-8,Edge]

	X, Y): [13:0-1-8,Edge	ej, [14:0-1-8,Edge]									-	
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.17	<b>DEFL</b> Vert(LL)	in -0.11	(loc) 13-14	l/defl >999	L/d 480	PLATES MT20	<b>GRIP</b> 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.14	14	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 77 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she		ed or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.											
REACTIONS	(size) 11=0-3-8, Max Grav 11=527 (L	, 16=0-3-8	)									
FORCES	(lb) - Maximum Com		)									
TOROES	Tension	pression/maximum										
TOP CHORD	1-16=-47/0, 10-11=- 2-3=-1375/0, 3-4=-1 5-6=-1852/0, 6-7=-1 8-9=-1375/0, 9-10=-	375/0, 4-5=-1852/0, 852/0, 7-8=-1375/0,										
BOT CHORD	15-16=0/811, 14-15	=0/1715, 13-14=0/18	352,									
WEBS	12-13=0/1715, 11-12 9-11=-935/0, 2-16=-											
WEbo	2-15=0/659, 8-12=-1											
	7-12=-396/0, 4-15=-		,								111111 01	
	4-14=-44/284, 5-14=	=-91/0, 6-13=-91/0									"TH UP	HO MA
NOTES										N.	OFESS	in N'in
<ol> <li>Unbalance this design</li> </ol>	ed floor live loads have	e been considered to	r						/	53	i i i	Man
	are 1.5x3 MT20 unless	s otherwise indicated	l.							V		
	is designed in accorda		-						-		SEA	1 1 2
	al Residential Code se		nd						Ξ		JLA	• -
	and referenced stand								Ξ		0363	22 : 3
	nd 2x6 strongbacks, o oc and fastened to eac								-	0		1 S S
	3") nails. Strongbacks		alls							-	·	Airs
	ter ends or restrained									15	S ENGIN	EFERREN

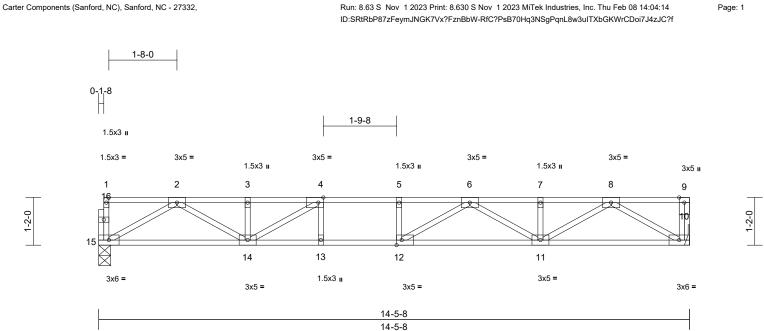
LOAD CASE(S) Standard



Page: 1

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F07	Floor	2	1	Job Reference (optional)	163532255



Scale = 1:28.2

# Plate Offsets (X, Y): [4:0-1-8,Edge], [12:0-1-8,Edge]

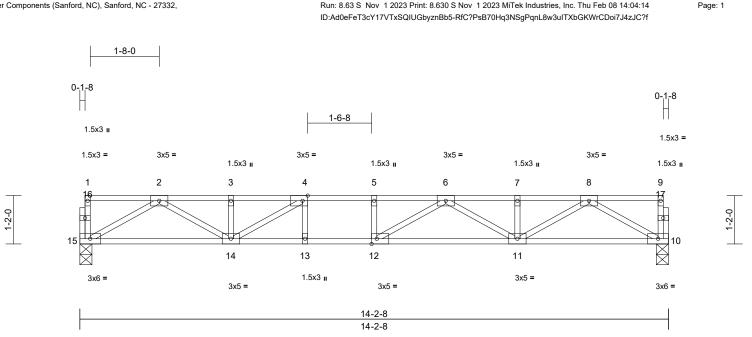
F, 11%E
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11
5



February 9,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F08	Floor	6	1	Job Reference (optional)	163532256
Carter Components (Sanford, NC	C), Sanford, NC - 27332,	Run: 8.63 S	Nov 1 2023 Print: 8	.630 S Nov 1	2023 MiTek Industries, Inc. Thu Feb 08 14:04:14	Page: 1



Scale = 1:27.8

# Plate Offsets (X, Y): [4:0-1-8,Edge], [12:0-1-8,Edge]

	(x, i): [iio i 0,Eugo],	, [12.0 1 0,Eugo]		-								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.41 0.63 0.30	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 11-12 11-12 10	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 72 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BCDL	5.0	Code	IRC2016/1PI2014	Watrix-WSH			-				weight: 72 lb	FI = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.		c									
REACTIONS	U	, 15=0-3-8										
	Max Grav 10=508 (I	LC 1), 15=508 (LC 1	)									
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension RD 1-15=-48/0, 9-10=-47/0, 1-2=-3/0, 2-3=-1298/0, 3-4=-1298/0, 4-5=-1677/0, 5-6=-1677/0, 6-7=-1312/0, 7-8=-1312/0, 8-9=-3/0											
BOT CHORD	,	,	677,									
WEBS	11-12=0/1615, 10-1 8-10=-899/0, 2-15=-											
WEBS	2-14=0/609, 7-11=-1		3									1
	6-11=-354/0, 4-14=-		9,								11''''' CA	Dille
	4-13=-21/89, 5-12=-	-96/0								-	"aTH UF	ROL
, this desig									4	A'L	OFFESS	hill
3) This truss	are 1.5x3 MT20 unless is designed in accordanal Residential Code s	ance with the 2018									SEA	L
	2 and referenced stand		na						Ξ		0363	• •
4) Recomme	end 2x6 strongbacks, o	on edge, spaced at								A A A A A A A A A A A A A A A A A A A		1 3
	oc and fastened to eac		valla							-	·	A 1. 3
	3") nails. Strongbacks iter ends or restrained		allo							25	A C A C	EENAN
LOAD CASE(		,								11	10	BELIN
										1	11, A. G	il L L III

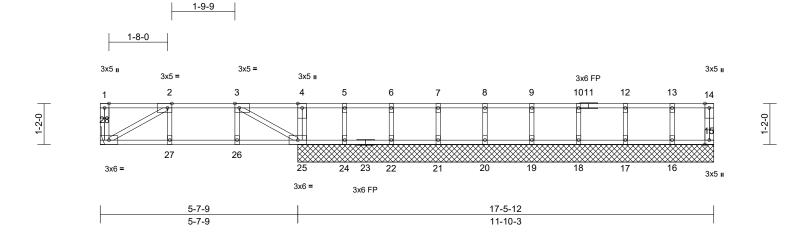


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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F09	Floor	1	1	Job Reference (optional)	163532257

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:15 ID:WbpXJLXCR5gQcEpQCr4RI?znBb0-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale	=	1:32.8

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge]

Plate Offsets (	X, Y): [2:0-1-8,Edge],	[3:0-1-8,Edge]								-			
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/T	PI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.13 0.14 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 27-28 27-28 15	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 79 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, exe Rigid ceiling directly bracing. (size) 15=11-10 17=11-10 21=11-10 24=11-10 Mac Grav 15=29 (LC (LC 3), 18 3), 20=98 22=105 (L	applied or 10-0-0 oc -3, 16=11-10-3, -3, 18=11-10-3, -3, 20=11-10-3, -3, 22=11-10-3, -3, 25=11-10-3, 28= al	tti 2) A 3) T b 4) C 5) F 6) T 11 F 7) F 1 (( a 8) C LOAI 7=98 ,	his design. Il plates are russ to be fi praced again Sable studs : Refer to girde This truss is of International R802.10.2 ar Recommend 0-00-00 oc : 0.131" X 3") t their outer	floor live loads hav 1.5x3 MT20 unles ully sheathed from ist lateral movement spaced at 1-4-0 oc er(s) for truss to tru designed in accord Residential Code sind referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained o not erect truss b Standard	ss other one fac nt (i.e. c uss coni dance w sections dard At on edge sch truss s to be I by othe	wise indicated e or securely liagonal web) nections. ith the 2018 s R502.11.1 a SJ/TPI 1. e, spaced at with 3-10d attached to w er means.	d. ind					
FORCES	(lb) - Maximum Com Tension											min	11111
TOP CHORD	1-28=-54/0, 14-15=- 2-3=-259/0, 3-4=0/0, 6-7=0/0, 7-8=0/0, 8- 10-12=0/0, 12-13=0/	, 4-5=0/0, 5-6=0/0, 9=0/0, 9-10=0/0,									A.L.	ORTH CA	ROLIN
BOT CHORD	27-28=0/259, 26-27= 24-25=0/0, 22-24=0/	=0/259, 25-26=0/259 /0, 21-22=0/0, 20-21= /0, 17-18=0/0, 16-17=	=0/0,								t l	SEA 0363	
WEBS	4-25=-118/0, 3-25=- 2-27=-4/26, 3-26=-5, 6-22=-94/0, 7-21=-8 9-19=-89/0, 10-18=- 13-16=-88/0	/33, 5-24=-97/0, 9/0, 8-20=-89/0,								ATTITUM.	- King		EERA
NOTES											~	111111	

February 9,2024

Page: 1

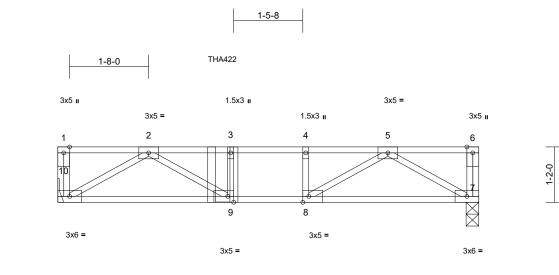
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

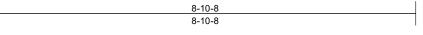


Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F10	Floor Girder	1	1	Job Reference (optional)	163532258

### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:15 ID:PR9IQzPMUDkCEIKGQzMKDBznBZu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:24.3

# Plate Offsets (X, Y): [8:0-1-8,Edge], [9:0-1-8,Edge]

1-2-0

	() / [] 31	, [4 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7										
Loading	(psf)	Spacing	1-4-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.05	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.07	9-10	>999	360	_	
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH		(- )					Weight: 46 lb	FT = 20%F, 11%E
				(11- / <b>5</b> 4)								
	Over CD No. O(flat)			.oads (lb/ft) ·10=-7, 1-6=-67								
TOP CHORD BOT CHORD	( )			ated Loads (lb)								
WEBS	2x4 SP No.3(flat)			=-91 (F)								
BRACING	Extrem No.0(hat)		Volt. O	01(1)								
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD			с									
	bracing.											
REACTIONS	(size) 7=0-3-3,	10= Mechanical										
	Max Grav 7=354 (L0	C 1), 10=370 (LC 1)										
FORCES	(lb) - Maximum Com	npression/Maximum										
	Tension											
TOP CHORD		-46/0, 6-7=-51/0, 1-2=0/0, 2-3=-801/0,										
BOT CHORD	3-4=-801/0, 4-5=-80											
WEBS	9-10=0/535, 8-9=0/8 5-7=-587/0, 2-10=-6	,										
WEBS	2-9=0/372, 3-9=-176	, , ,										
NOTES	, ,											
	ed floor live loads have	e been considered fo	or									
this desig												
2) Refer to g	girder(s) for truss to trus	ss connections.									THILL.	1111
	s is designed in accorda										WHY CA	Pall
	nal Residential Code s		ind							1	alli	OL MAN
	2 and referenced stand end 2x6 strongbacks, c								/	S.	O'. FESS	HOT VIL
	oc and fastened to eac								4	50	12 1	the second
	3") nails. Strongbacks		alls						-		:0	K
·	uter ends or restrained										SEA	1 1 2
5) Use Simp	oson Strong-Tie THA42	2 (Single Chord Gire	der)						=	:		•
	lent at 3-5-12 from the	left end to connect t	russ						=		0363	22 ; =
	ont face of top chord.								-	1		d - 3
	il holes where hanger is									-	·	- 1 - S
	AD CASE(S) section, le		lace							2.0	S.SNGINI	EEH. AS
	ss are noted as front (F	) of back (b).								A A A A A A A A A A A A A A A A A A A	AC AGIN	F. F. N.
	(S) Standard Floor Live (balanced): I	Lumber Increase=1	00								A G	ILDUN
	crease=1.00		,								A. C	111111
											Februa	ry 9,2024
											i obrud	., ., ., ., ., ., ., ., ., ., ., ., ., .

GINEEDING

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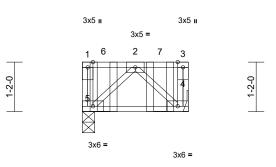
Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F11	Floor Girder	1	1	Job Reference (optional)	163532259

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 08 14:04:16 ID:PAeKr9CiU\_bcihX\_xuZL1bznBa9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

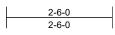
Page: 1

1-0-0

### **THA422**



THA422



Scale = 1:27.2												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.65	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	0.00	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 17 lb	FT = 20%F, 11%E
LUMBER				-		· · · · ·	-					

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

WEBS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD		I wood sheathing directly applied
	2-6-0 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 5=0-3-8
	Max Grav	4=529 (LC 1), 5=603 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	

or

TOP CHORD 1-5=-276/0, 3-4=-201/0, 1-2=0/0, 2-3=0/0 BOT CHORD 4-5=0/346 WEBS 2-5=-471/0, 2-4=-471/0

### NOTES

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

- This truss is designed in accordance with the 2018 2) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 1-4-0 oc max. starting at 0-6-0 from the left end to 1-10-0 to connect truss(es) to back face of top chord.
- 5) Fill all nail holes where hanger is in contact with lumber.
- 6) 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

- Dead + Floor Live (balanced): Lumber Increase=1.00, 1) Plate Increase=1.00
  - Uniform Loads (lb/ft)
  - Vert: 4-5=-7, 1-3=-67
  - Concentrated Loads (lb)
  - Vert: 6=-486 (B), 7=-481 (B)



818 Soundside Road Edenton, NC 27932

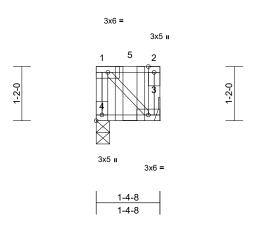
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 frusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **PCB\_Building** Component **5**, the form the structure Building form the Structure Building Component to the property damage. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	F12	Floor Girder	1	1	Job Reference (optional)	163532260

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:16 ID:bloU9wKcuN\_3WNs64iFwzwznBa\_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



0-10-8 THA422



Scale = 1:24.8

Plate Offsets (X, Y): [4:Edge,0-1-8]

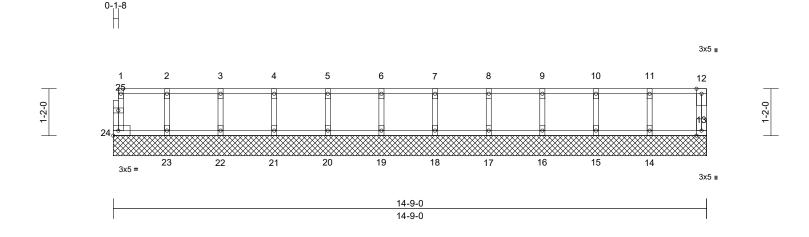
Plate Offsets (X, Y): [4:Edge,0-1-8]											
Loading         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.37 0.01 0.00	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a 0.00 0.00	(loc) - 3-4 3	l/defl n/a >999 n/a	L/d 999 360 n/a	PLATES MT20 Weight: 11 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER	•		•		· · · ·						
TOP CHORD2x4 SP No.2(flat)BOT CHORD2x4 SP No.2(flat)WEBS2x4 SP No.3(flat)											
BRACING TOP CHORD Structural wood she	athing directly applie	ed or									
BOT CHORD 1-4-8 oc purlins, ex Rigid ceiling directly bracing.		2									
5	anical, 4=0-3-8 C 1), 4=118 (LC 1)										
FORCES (Ib) - Maximum Com Tension											
	26/0, 1-2=0/0										
TOP CHORD 1-4=-114/0, 2-3=-126/0, 1-2=0/0 BOT CHORD 3-4=0/0											



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	FW14	Floor Supported Gable	1	1	Job Reference (optional)	163532261
Carter Components (Sanford, NC	c), Sanford, NC - 27332,	Run: 8.63 S Nov 1 2	023 Print: 8.6	630 S Nov 1	2023 MiTek Industries, Inc. Thu Feb 08 14:04:16	Page: 1

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:16 ID:PjhB\_nc1URtonv7Xw1AJPmznBZd-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:28.6

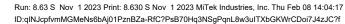
Scale = 1:28.6												
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI TC BC WB	0.05 0.01 0.02	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 13	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MR							Weight: 63 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	16=14-9-0 19=14-9-0 22=14-9-0 Max Grav 13=45 (L0	cept end verticals. applied or 10-0-0 oc 0, 14=14-9-0, 15=14- 0, 17=14-9-0, 18=14- 0, 20=14-9-0, 21=14- 0, 23=14-9-0, 24=14-	Internat R802.1( 6) Recomm 10-00-0 (0.131" at their 7) CAUTIC LOAD CAS -9-0, -9-0, -9-0, -9-0, -9-0, -9-0, -9-0,	ss is designed in acco onal Residential Code ).2 and referenced sta nend 2x6 strongbacks 0 oc and fastened to e X 3") nails. Strongbac outer ends or restraine NN, Do not erect truss E(S) Standard	e sections andard AN s, on edge each truss cks to be ed by oth	R502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d attached to w er means.					<u>.</u>	
	1), 18=98 20=98 (L0 (LC 1), 23	(LC 1), 19=98 (LC 1 C 1), 21=98 (LC 1), 2 3=94 (LC 1), 24=38 (	l), 22=99									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-24=-34/0, 12-13=- 3-4=-7/0, 4-5=-7/0, 5 7-8=-7/0, 8-9=-7/0, 5 11-12=-7/0	5-6=-7/0, 6-7=-7/0,	,								NILL CA	Politi
BOT CHORD	23-24=0/7, 22-23=0/ 19-20=0/7, 18-19=0/ 15-16=0/7, 14-15=0/	/7, 17-18=0/7, 16-17	,						4	1 in	ORIESS	AN'S
WEBS	2-23=-86/0, 3-22=-9 5-20=-89/0, 6-19=-8 8-17=-89/0, 9-16=-8 11-14=-90/0	9/0, 7-18=-89/0,									SEA	
<ol> <li>Gable req</li> <li>Truss to b</li> <li>braced ag</li> </ol>	are 1.5x3 MT20 unless uires continuous bottor e fully sheathed from c ainst lateral movemen ds spaced at 1-4-0 oc.	m chord bearing. one face or securely								A A A A A A A A A A A A A A A A A A A	SEA 0363	FERAL



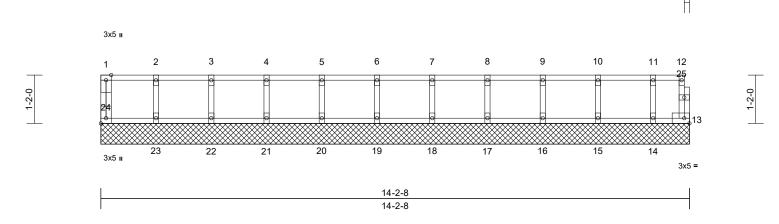
February 9,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	FW14A	Floor Supported Gable	1	1	Job Reference (optional)	163532262
Carter Components (Sanford, NC	C), Sanford, NC - 27332,	Run: 8.63 S Nov 1 2	023 Print: 8.6	30 S Nov 1	2023 MiTek Industries, Inc. Thu Feb 08 14:04:17	Page: 1



0-1-8



Scale = 1:27.8

Plate Offsets (	(X, Y): [24:Edge,0-1-	8]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	• • •	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00 YES	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr		WB Matrix MB	0.02	Horiz(TL)	0.00	13	n/a	n/a	Woight: 61 lb	ET - 20%E 11%E
BCDL LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 13=14-2: 16=14-2: 19=14-2: 22=14-2: Max Grav 13=20 (L 17=98 (L (LC 1), 2	y applied or 10-0-0 oc 8, 14=14-2-8, 15=14- 8, 17=14-2-8, 18=14- 8, 20=14-2-8, 21=14- 8, 23=14-2-8, 24=14- C 1), 14=77 (LC 1), LC 1), 16=97 (LC 1), C 1), 18=98 (LC 1), 0=98 (LC 1), 21=98 (L 3 (LC 1), 23=98 (LC 1)	5) This truss Internation R802.10.2 6) Recomme 10-00-00 d or (0.131" X at their ou 7) CAUTION LOAD CASE( 2-8, 2-8, 2-8, 2-8, 2-8, 2-8, 2-8, 2-8	Matrix-MR ds spaced at 1-4-0 is designed in acco al Residential Cod e and referenced st ind 2x6 strongback for and fastened to 3") nails. Strongbac ter ends or restrain , Do not erect truss <b>S)</b> Standard	ordance w le sections andard AN s, on edge each truss icks to be led by othe	R502.11.1 a ISI/TPI 1. s, spaced at s with 3-10d attached to w er means.					Weight: 61 lb	FT = 20%F, 11%E
FORCES	(lb) - Maximum Cor Tension	npression/Maximum										
TOP CHORD	1-24=-36/0, 12-13= 3-4=-4/0, 4-5=-4/0,	-16/0, 1-2=-4/0, 2-3=- 5-6=-4/0, 6-7=-4/0, 9-10=-4/0, 10-11=-4/0	,							A	ORTH CA	ROUT
BOT CHORD	23-24=0/4, 22-23=0 19-20=0/4, 18-19=0 15-16=0/4, 14-15=0	,							4	U	CEA	1 Ale
<ol> <li>2) Gable req</li> <li>3) Truss to b</li> </ol>	2-23=-88/0, 3-22=- 5-20=-89/0, 6-19=- 8-17=-89/0, 9-16=- 11-14=-72/0 are 1.5x3 MT20 unles uires continuous botto e fully sheathed from ainst lateral movement	39/0, 7-18=-89/0, 38/0, 10-15=-92/0, s otherwise indicated. om chord bearing. one face or securely								A A A A A A A A A A A A A A A A A A A		EER RUU

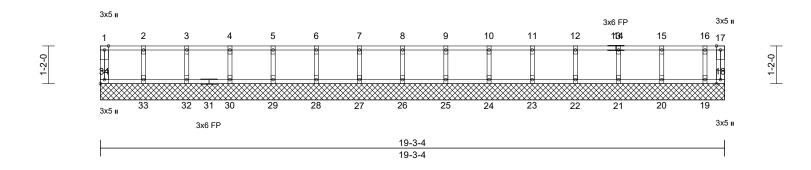
February 9,2024

GINEEDING 818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	FW19	Floor Supported Gable	1	1	Job Reference (optional)	163532263

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:17 ID:Et2SFqho3HexVqagHIHjf1znBZX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:35.6

# Plate Offsets (X, Y): [34:Edge,0-1-8]

	A, T). [34.Euge,0-1-0												
Loading	(psf)	Spacing	1-4-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		TC	0.05	Vert(LL)	n/a	(100)	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.01	Vert(TL)	n/a	-	n/a	999		211/100
BCLL	0.0	Rep Stress Incr	YES		WB	0.02	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code		8/TPI2014	Matrix-MR	0.02		0.00				Weight: 82 lb	FT = 20%F, 11%E
	0.0	0000		0,111,2011	indust inte							110igin: 02 is	20,00,002
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat)		N( 1) 2)		1.5x3 MT20 unles s continuous bott			d.					
WEBS	2x4 SP No.3(flat)		3)	) Truss to be fu	ully sheathed from	one fac	e or securely						
OTHERS	2x4 SP No.3(flat)			0	st lateral moveme		iagonal web)						
BRACING			4)		spaced at 1-4-0 oc								
TOP CHORD	6-0-0 oc purlins, ex			International	designed in accord Residential Code id referenced stan	sections	R502.11.1 a	nd					
BOT CHORD	bracing.	applied or 10-0-0 oc	6)	Recommend	2x6 strongbacks, and fastened to ea	on edge	, spaced at						
REACTIONS	21=19-3-4 24=19-3-4 27=19-3-4 30=19-3-4	4, 19=19-3-4, 20=19- 4, 22=19-3-4, 23=19- 4, 25=19-3-4, 26=19- 4, 28=19-3-4, 29=19- 4, 32=19-3-4, 33=19-	3-4, 3-4, 3-4, L0	(0.131" X 3")	nails. Strongback ends or restrained	ks to be	attached to w	alls					
	34=19-3-4												
	22=98 (LC (LC 1), 25 1), 27=98 29=98 (LC (LC 1), 33	LC 1), 21=97 (LC 1), C 1), 23=98 (LC 1), 2 5=98 (LC 1), 26=98 (I (LC 1), 28=98 (LC 1 C 1), 30=98 (LC 1), 3 3=99 (LC 1), 34=39 (I	_C ), 2=98									NITH CA	11111
FORCES	(lb) - Maximum Com Tension	pression/Maximum									N.	ATHUA	ROUT
TOP CHORD	1-34=-36/0, 17-18=- 3-4=-4/0, 4-5=-4/0, § 7-8=-4/0, 8-9=-4/0, § 11-12=-4/0, 12-14=- 15-16=-4/0, 16-17=-	5-6=-4/0, 6-7=-4/0, 9-10=-4/0, 10-11=-4/0 4/0, 14-15=-4/0,	,							h	ER	PLO	
BOT CHORD	33-34=0/4, 32-33=0, 28-29=0/4, 27-28=0,	/4, 30-32=0/4, 29-30: /4, 26-27=0/4, 25-26: /4, 22-23=0/4, 21-22:	=0/4,							THUR .		SEA 0363	• -
WEBS	2-33=-89/0, 3-32=-8 5-29=-89/0, 6-28=-8 8-26=-89/0, 9-25=-8 11-23=-89/0, 12-22= 15-20=-92/0, 16-19=	9/0, 7-27=-89/0, 9/0, 10-24=-89/0, =-89/0, 14-21=-88/0,											FEF. R

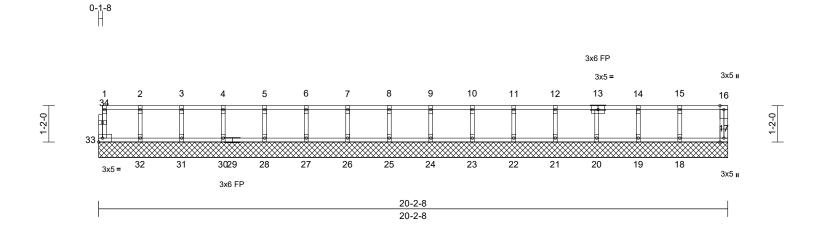
TRENGINEERING BY A MITOK Attiliate

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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	FW20	Floor Supported Gable	1	1	Job Reference (optional)	163532264

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MITek Industries, Inc. Thu Feb 08 14:04:18 ID:Q\_DcYbphTf0NJXwoQ6zIbMznBZM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:37

Scale = 1:37														
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00		CSI TC	0.06	<b>DEFL</b> Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190	
TCDL	10.0	Lumber DOL	1.00		BC	0.01	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0	Rep Stress Incr	YES		WB	0.02	Horiz(TL)	0.00	17	n/a	n/a			
BCDL	5.0	Code	IRC2018/	TPI2014	Matrix-MR							Weight: 84 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 17=20-2-5 20=20-2-5 33=20-2-5 33=20-2-5 33=20-2-5 Max Grav 17=51 (LC 19=94 (LC 21=100 (L 23=98 (LC (LC 1), 26 1), 28=98	applied or 10-0-0 oc 3, 18=20-2-8, 19=20-2 3, 21=20-2-8, 22=20-2 3, 24=20-2-8, 25=20-2 3, 27=20-2-8, 32=20-2 3, 31=20-2-8, 32=20-2 3	2) 3) 4) 1 or 5) 6) 2-8, 2-8, 2-8, 2-8, 2-8, 5-98 C	All plates are Gable require Truss to be fu braced again Gable studs s This truss is of International R802.10.2 ar Recommend 10-00-00 co at (0.131" X 3") at their outer	1.5x3 MT20 unless so continuous botto ully sheathed from st lateral movement spaced at 1-4-0 oc designed in accorc Residential Code st d referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained o not erect truss b Standard	om chor one fac nt (i.e. d lance w sections dard AN on edge ch truss s to be	d bearing. e or securely iagonal web). ith the 2018 : R502.11.1 ai ISI/TPI 1. , spaced at s with 3-10d attached to wi er means.	nd						
FORCES	(lb) - Maximum Com Tension	pression/Maximum										TH CA	Roilin	
TOP CHORD	1-33=-34/0, 16-17=- 3-4=-7/0, 4-5=-7/0, 5	9-10=-7/0, 10-11=-7/0	,							4	20	PROFESSION OF A	Rest	*
BOT CHORD	32-33=0/7, 31-32=0/ 27-28=0/7, 26-27=0/	/7, 30-31=0/7, 28-30= /7, 25-26=0/7, 24-25= /7, 21-22=0/7, 20-21= 0/10, 17-18=0/10	0/7,							THE PARTY		0363	22	
WEBS	2-32=-87/0, 3-31=-9 5-28=-89/0, 6-27=-8 8-25=-89/0, 9-24=-8 11-22=-88/0, 12-21= 14-19=-85/0, 15-18=	9/0, 7-26=-89/0, 9/0, 10-23=-89/0, =-91/0, 13-20=-89/0,										SEA 0363	L 22 L H B F H B F H N H H H H H H H H H H H H H H H H H	

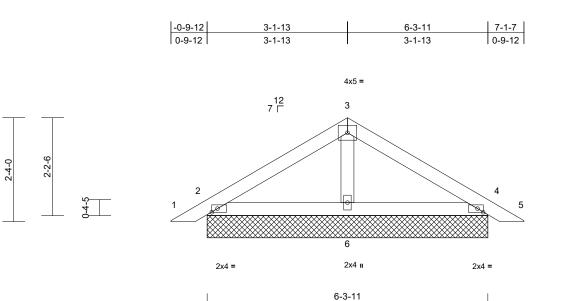
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Job	Truss	Truss Type	Qty	Ply	DRB - 68 FaNC	
24020107	PB1	Piggyback	12	1	Job Reference (optional)	163532265

### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 08 14:04:18 ID:kA8RvPcE13INZ6IZX7XyQIzypGJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:25.9

# Plate Offsets (X, Y): [2:0-1-9,0-1-0], [4:0-1-9,0-1-0]

Fiale Olisels	(A, F). [2.0-1-9,0-1-0],	[4.0-1-9,0-1-0]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TF	912014	CSI TC BC WB Matrix-MP	0.17 0.18 0.02	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	<ul> <li>2x4 SP No.2</li> <li>2x4 SP No.2</li> <li>2x4 SP No.3</li> <li>Structural wood she 6-0-0 oc purlins.</li> <li>Rigid ceiling directly bracing.</li> <li>(size) 2=6-3-11, 7=6-3-11, Max Horiz 2=-49 (LC Max Uplift 2=-33 (LC 6=228 (LC 6=228 (LC 11=235 (L (lb) - Maximum Com Tension</li> </ul>	: 14), 4=-40 (LC 15), : 14), 11=-40 (LC 15), : 21), 4=235 (LC 22), : 21), 7=235 (LC 21), : C 22) : pression/Maximum	or se or 4) T( Pl 0 5) Ur de 6) Tr loz ov 7) G( 8) Gi 9) Tr ch 10)* T ch 3- 0 9) Tr ch 3- 3- 0 7 3-	hly. For stu e Standard c consult qu. CLL: ASCE CLL: ASCE ate DOL=1 OL=1.15); I s=1.00; Ct= nbalanced s ssign. his truss ha ad of 12.0 p verhangs nd able require able require able studs s his truss ha nord live loa This truss ha nord live loa This truss ha nord live loa	hed for wind loads ds exposed to wind d Industry Gable E alified building des 7-16; Pr=20.0 psf (15); Pf=20.0 psf (15); Pf=20.0 psf (16); Pf=20.0 psf (17);	d (norm nd Deta signer as (roof LL Lum DC B; Fully been cor or great at roof l other li other li oom chor c or a 10.1 with any for a liv s where	al to the face ils as applical as per ANSI/TF i: Lum DOL=: DL=1.15 Plate Exp.; Ce=0.9 asidered for the er of min roof pad of 20.0 p ve loads. d bearing. 0 psf bottom other live loa e load of 20.0 a rectangle	), ble, PI 1. 1.15 9; his b; live sf on ds. 0psf					
this desig 2) Wind: AS Vasd=10 Cat. II; E: zone and 3-3-11 to cantilever right expo	4-5=0/25 2-6=-12/49, 4-6=-2/4 3-6=-103/30 ced roof live loads have gn. SCE 7-16; Vult=130mph 3mph; TCDL=6.0psf; Br xp B; Enclosed; MWFR: I C-C Exterior(2E) 0-3-1 4-8-5, Exterior(2E) 4-8- r left and right exposed osed; C-C for members : ons shown; Lumber DO	11) Oi re Uf an 12) Th Ini R( 13) Se De 2R) co LOAD	ne H2.5A S commende PLIFT at jt( nd does not nis truss is o ternational 802.10.2 ar ee Standard etail for Cor	impson Strong-Tie d to connect truss s) 2 and 4. This co consider lateral for designed in accorc Residential Code d referenced stan d Industry Piggyba nnection to base tr fied building design	to bear onnectio orces. dance w sections dard AN ick Trus russ as a	ing walls due n is for uplift o ith the 2018 i R502.11.1 a ISI/TPI 1. s Connection	only		Contraction of the second seco	The second se	SEA 0363	• -	

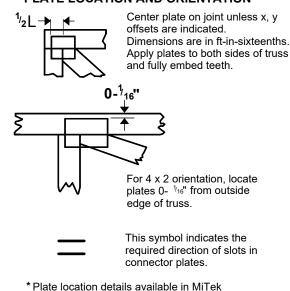
- Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Exterior(2R) 3-3-11 to 4-8-5, Exterior(2E) 4-8-5 to 7-8-5 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 oclapse 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Stability and the prevention applicable from the Studyter Building Component Advance interpretention applicability for the Studyter Building Component Advance interpretention and the prevention of the study of the trust of the prevention of the study of the trust of the prevention of the study of the study of the prevention of the study of the study of the prevention of the study of the study of the prevention of the study of the study of the study of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the study of the study of the prevention of the prevention of the study of the study of the prevention of the study of the st and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

# Symbols

# PLATE LOCATION AND ORIENTATION



# PLATE SIZE

software or upon request.



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

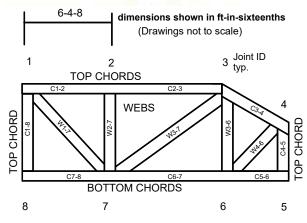


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

### **Industry Standards:**



# **Numbering System**



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

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

# **Product Code Approvals**

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

# **Design General Notes**

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

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

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# General Safety Notes

# Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 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.
- 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.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.