

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

Phone #:919-775-1450

# Builder: DRB HOMES Model: 193 FaNC MERLOT 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.

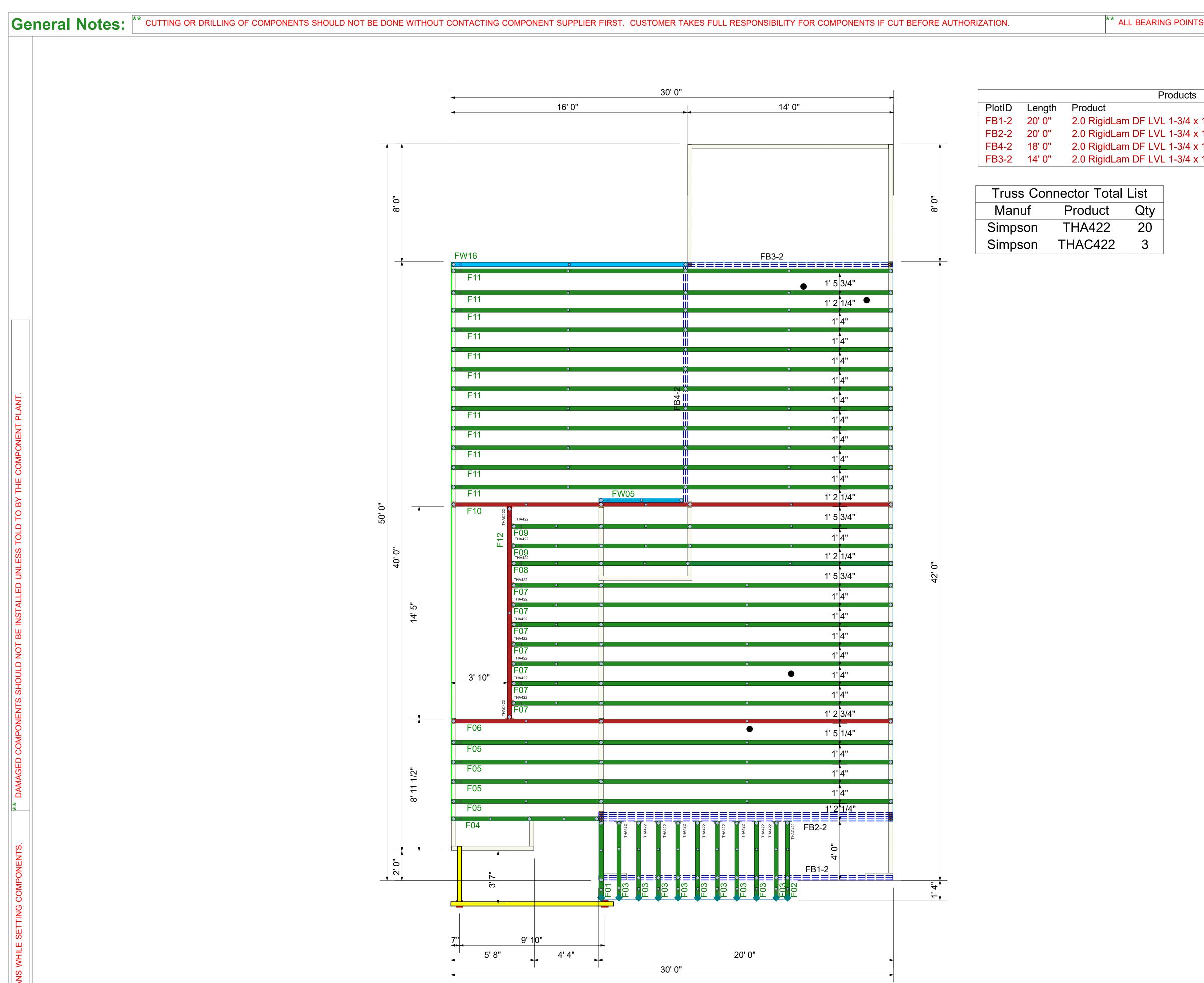
6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components,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

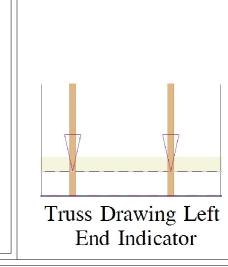
7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

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: \_\_\_\_\_





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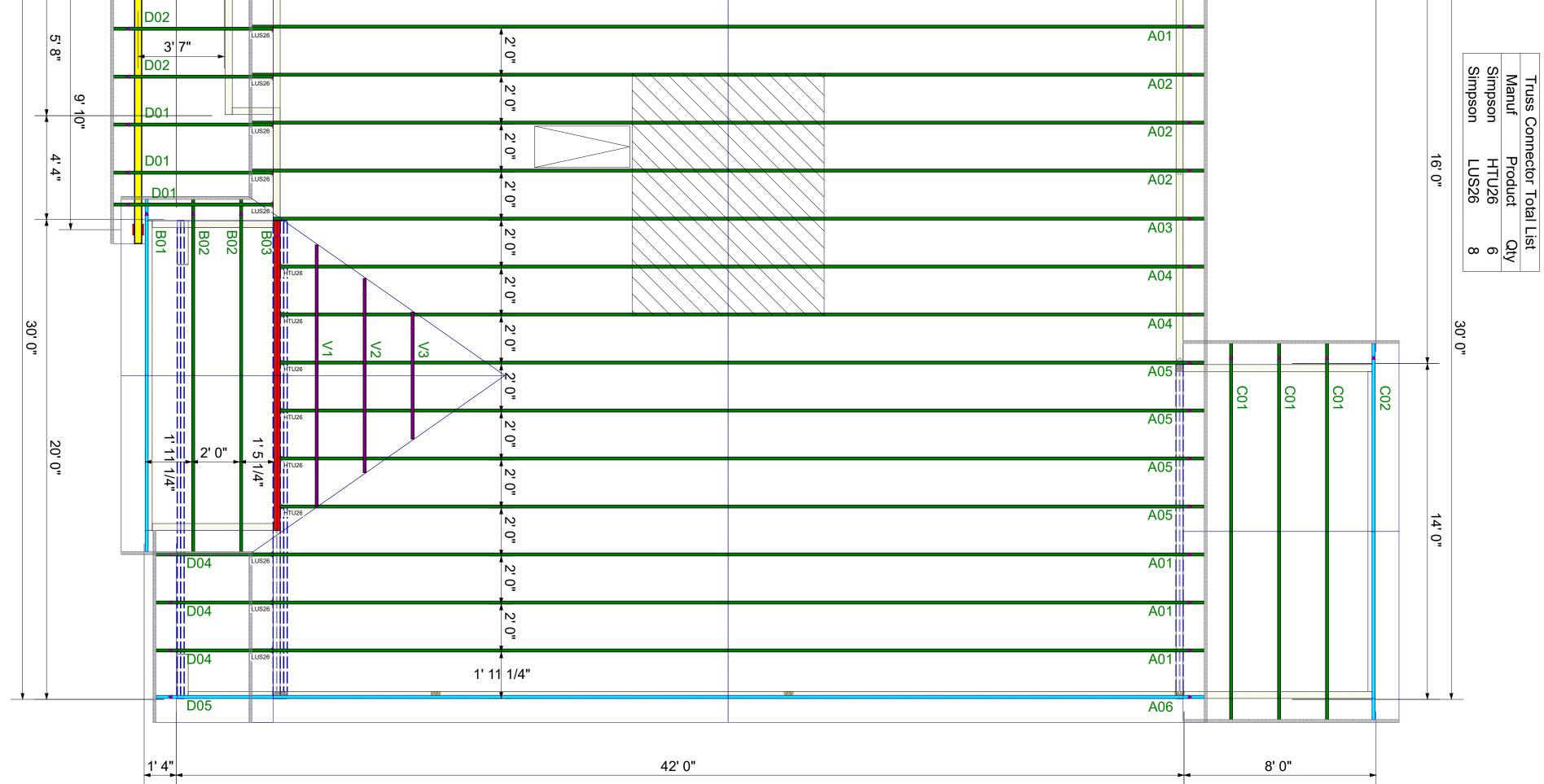
\*\* PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES.

6			
	Plies	Net Qty	Fab Type
x 11-7/8	2	2	FF
x 14	4	4	FF
x 14	2	2	FF
x 14	2	2	FF

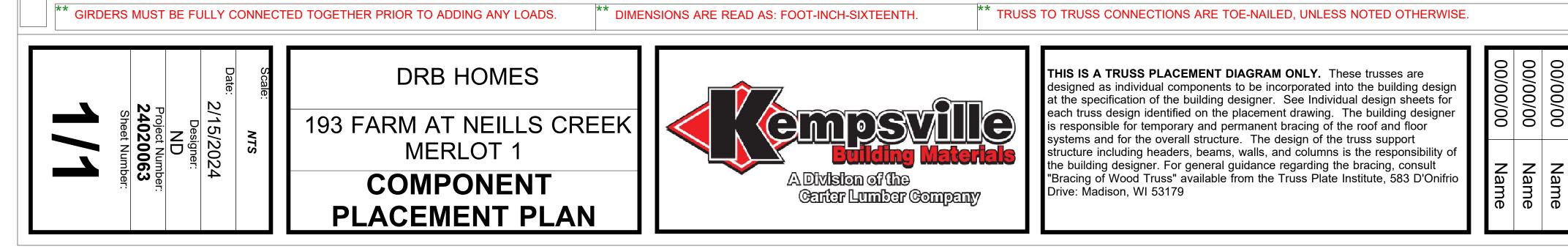
F 00/00/ 00/00/ 00/00/ 00/00/	100 100 100 100	Name Name Name Name Name
<b>THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.</b> These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for	each truss 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 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
		A Division of the Certer Lumber Company
DRB HOMES	FARM AT NEILLS CREEK MERLOT 1	COMPONENT ACEMENT PLAN
DRB H	193 FARM AT NEIL MERLOT	COMPONENT PLACEMENT PL
Scale:		24 :

\*\* REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS.	* FRAMER MUST REFER T	O PLANS WHILE S	SETTING COMPONENTS.	** DAMAGED COMPONENTS	SHOULD NOT BE INSTALLED UNLESS TO	2D TO BY THE COMPONENT PLANT.				
** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATION		7"     9' 10"       5' 8"     9' 10"       4' 4"     30' 0"       30' 0"     20' 0"	2' 0" D03 D02 3' 7" D02 UUS26 D01 UUS26 D01 UUS26 D01 UUS26 D01 UUS26 D01 UUS26 D01 UUS26 D01 UUS26 HTU26 HTU28				A06         A06         A01         A01         A02         A03         A04         A05         A05         A01         A01         A01	8' ( 01		Truss Connector Total List       Manuf     Product       Simpson     HTU26       Simpson     LUS26       30' 0"



\*\* REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS



00/00/00

Name

00/00/00

Name

Revisions



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

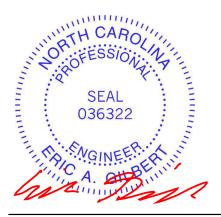
Re: 24020063 DRB - 193 FaNC

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I63649337 thru I63649369

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

North Carolina COA: C-0844



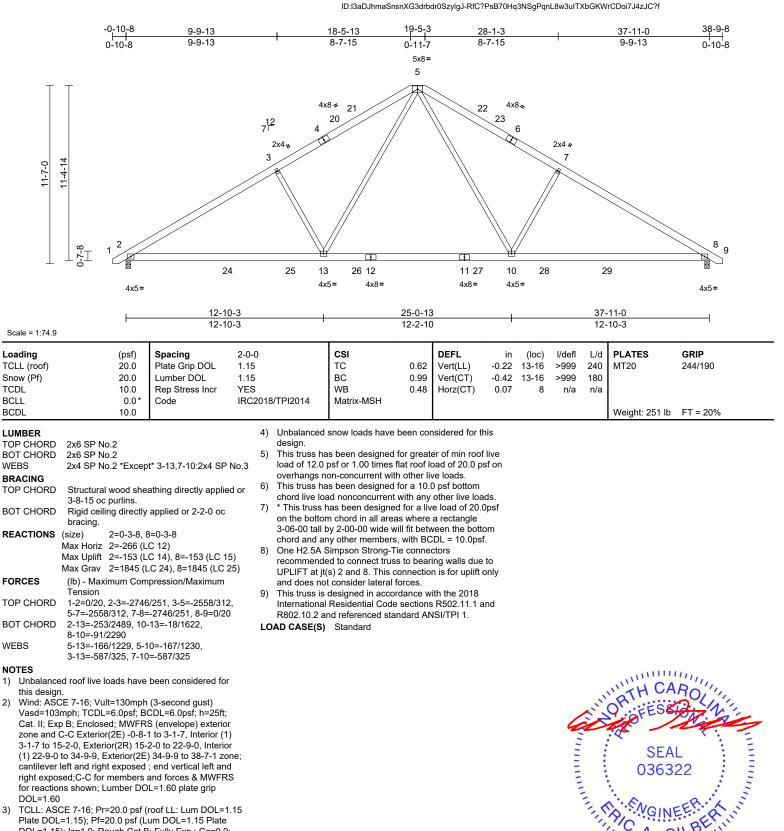
February 16,2024

## Gilbert, Eric

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	A01	Common	4	1	Job Reference (optional)	163649337

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:38



TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) 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

2)

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)



Edenton, NC 27932

GILB

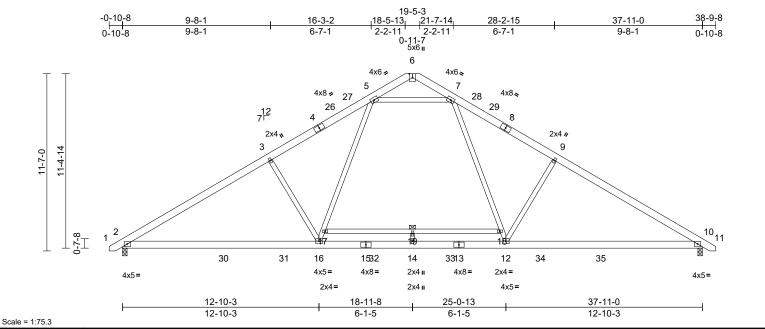
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February 16,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	A02	Common	3	1	Job Reference (optional)	163649338

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:42 ID:I3aDJhmaSnsnXG3drbdr0SzylgJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Plate Offsets (X, Y): [6:0-0-1,Edge], [9:0-0-0,0-0-0]

2x4 SP No.3 \*Except\* 17-18:2x4 SP No.2

Rigid ceiling directly applied or 10-0-0 oc

2=0-3-8, 10=0-3-8

Max Uplift 2=-53 (LC 14), 10=-53 (LC 15)

(lb) - Maximum Compression/Maximum

1-2=0/20, 2-3=-2822/28, 3-5=-2622/70,

5-6=-228/60, 6-7=-227/60, 7-9=-2622/70,

Max Grav 2=1884 (LC 24), 10=1884 (LC 25)

Structural wood sheathing directly applied or

17-18

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.29	12-25	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.40	12-25	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 269 lb	FT = 20%

TOP CHORD 2x6 SP No 2 BOT CHORD 2x6 SP 2400F 2.0E \*Except\* 15-13:2x6 SP

WEBS

WEBS

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

BRACING

TOP CHORD

BOT CHORD

REACTIONS

No.2

bracing.

Tension

9-12=-561/331

(size)

3-9-1 oc purlins.

1 Row at midpt

Max Horiz 2=266 (LC 13)

9-10=-2822/28, 10-11=0/20

2-16=-93/2551, 14-16=0/1946,

12-14=0/1946, 10-12=0/2352

16-17=-27/1129, 5-17=-13/1164,

7-18=-14/1164, 12-18=-27/1129,

5-7=-1661/136, 3-16=-561/331,

1) Unbalanced roof live loads have been considered for

17-19=-83/0, 18-19=-83/0, 14-19=0/26,

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-8-1 to 3-1-7, Interior (1) 3-1-7 to 15-2-0, Exterior(2R) 15-2-0 to 22-9-0, Interior (1) 22-9-0 to 34-9-9, Exterior(2E) 34-9-9 to 38-7-1 zone; cantilever left and right exposed ; end vertical left and right exposed:C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) 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
- 4) Unbalanced snow loads have been considered for this desian.
- 5) 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.
- 6) 200.0lb AC unit load placed on the bottom chord, 18-11-8 from left end, supported at two points, 5-0-0 apart.
- This truss has been designed for a 10.0 psf bottom 7) chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
- 10) 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

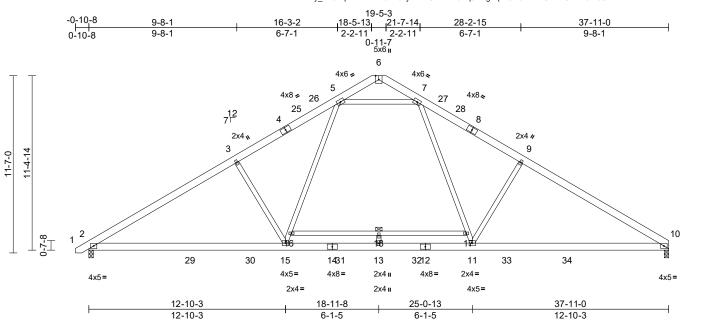


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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters with Design valid for use only 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 - 193 FaNC	
24020063	A03	Common	1	1	Job Reference (optional)	163649339

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:43 ID:Ssy\_SIr0YqnBwoALSo9K10zylZI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:75.3

Plate

Offsets (X, Y):	[6:0-0-1.Edge].	[8:0-0-0.0-0-0].	[9:0-0-0.0-0-0]

Loading TCLL (roof) Snow (Pf) TCDL BCLL	(psf) 20.0 20.0 10.0 0.0*	<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-MSH	0.52 0.54 0.91	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.29 -0.40 0.05	(loc) 11-24 11-24 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	10.0 2x6 SP No.2 2x6 SP 2400F 2.0E No.2 2x4 SP No.3 *Excep Structural wood she: 3-8-15 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-3-8, 1 Max Horiz 2=262 (LC Max Grav 2=1884 (L	t* 16-17:2x4 SP No.2 athing directly applied applied or 10-0-0 oc 16-17 10=0-3-8 2 11) 2 14), 10=-40 (LC 15)	SP 2 d or 3)	Vasd=103m Cat. II; Exp I zone and C- 3-1-7 to 15-2 (1) 22-9-0 to zone; cantile and right exp MWFRS for grip DOL=1. TCLL: ASCE Plate DOL= DOL=1.15); Cs=1.00; Ct:	7-16; Pr=20.0 ps 1.15); Pf=20.0 psf Is=1.0; Rough Cat	BCDL=6 RS (env 3-1 to 3- 5-2-0 to E) 34-1- xposed nbers ar Lumber 1 (roof LI (Lum DC B; Fully	.0psf; h=25ft elope) exterior 1-7, Interior ( 22-9-0, Interior 8 to 37-11-0 end vertical d forces & DOL=1.60 plate :: Lum DOL= UL=1.15 Plate Exp.; Ce=0.9	or 1) or left ate 1.15 9;				Weight: 267 lb	FT = 20%
FORCES	(lb) - Maximum Com	pression/Maximum	5)	This truss ha	s been designed f								
TOP CHORD	Tension 1-2=0/20, 2-3=-2822 5-6=-228/60, 6-7=-2 9-10=-2824/29	2/29, 3-5=-2622/71, 27/60, 7-9=-2624/72,	6)	overhangs n 200.0lb AC u	psf or 1.00 times f on-concurrent with unit load placed on theft end, supported	other li the bot	/e loads. om chord,						
BOT CHORD	2-15=-98/2547, 13-1 10-11=0/2356	5=0/1942, 11-13=0/1		apart.	as been designed f		. ,	,					11111
WEBS NOTES 1) Unbalance this design	3-15=-561/331, 15-1 5-16=-13/1164, 7-17 11-17=-27/1131, 9-1 5-7=-1661/136, 16-1 13-18=0/26 ed roof live loads have n.	7=-14/1166, 1=-562/332, 8=-83/0, 17-18=-83/0	8) 0, 9) 10	chord live loc * This truss l on the bottoo 3-06-00 tall chord and a One H2.5A s recommend UPLIFT at jt only and doe ) This truss is International	ad nonconcurrent of has been designed in chord in all area by 2-00-00 wide winy other members. Simpson Strong-Ti ad to connect truss (s) 2 and 10. This as not consider late designed in accor Residential Code nd referenced star	with any I for a liv s where II fit betw with BC e conne to bear connecti eral force dance w sections	other live loa e load of 20.1 a rectangle veen the bott DL = 10.0psi ctors ng walls due on is for uplif is. ith the 2018 R502.11.1 a	Opsf om f. to t				SEA 0363	ER.K.

February February 16,2024

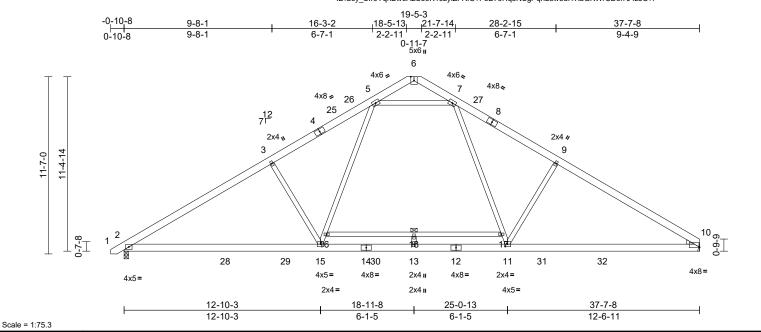
Page: 1



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 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 Structure Building Component Advance interpreted 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 - 193 FaNC	
24020063	A04	Common	2	1	Job Reference (optional)	163649340

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:44 ID:Ssy SIr0YqnBwoALSo9K10zylZI-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Plate Offsets (X, Y): [6:0-0-1,Edge], [10:Edge,0-0-5]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.30	15-21	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.41	15-21	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.06	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 266 lb	FT = 20%

LUMBER	
TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 2-14:2x6 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 16-17:2x4 SP No.2
WEDGE	Right: 2x4 SP No.3
BRACING	-
TOP CHORD	Structural wood sheathing directly applied or 3-9-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 16-17
REACTIONS	(size) 2=0-3-8, 10= Mechanical
	Max Horiz 2=262 (LC 11)
	Max Uplift 2=-54 (LC 14), 10=-36 (LC 15)
	Max Grav 2=1870 (LC 24), 10=1834 (LC 25)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/20, 2-3=-2798/29, 3-5=-2598/71,
	5-6=-209/62, 6-7=-228/60, 7-9=-2546/75,
	9-10=-2769/33
BOT CHORD	
	11-13=0/1907, 10-11=-47/2277
WEBS	3-15=-569/331, 15-16=-27/1145,
	5-16=-13/1180, 7-17=-21/1086,
	11-17=-35/1051, 9-11=-521/333, 5-7=-1643/137, 16-18=-79/0, 17-18=-79/0,
	5-7=-1643/137, 16-18=-79/0, 17-18=-79/0, 13-18=0/29
	15-16-0/29
NOTES	a di na afilitza da a la constitución a constitución de se
1) Unbalance	ed roof live loads have been considered for

this design.

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) -0-8-1 to 3-1-7, Interior (1) 3-1-7 to 15-2-0, Exterior(2R) 15-2-0 to 22-9-0, Interior (1) 22-9-0 to 33-10-0, Exterior(2E) 33-10-0 to 37-7-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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
- 4) Unbalanced snow loads have been considered for this design.
- 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.
- 200.0lb ÅC unit load placed on the bottom chord, 18-11-8 from left end, supported at two points, 5-0-0 apart.
- 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, with BCDL = 10.0psf.
   9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 10.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

 12) 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

Page: 1



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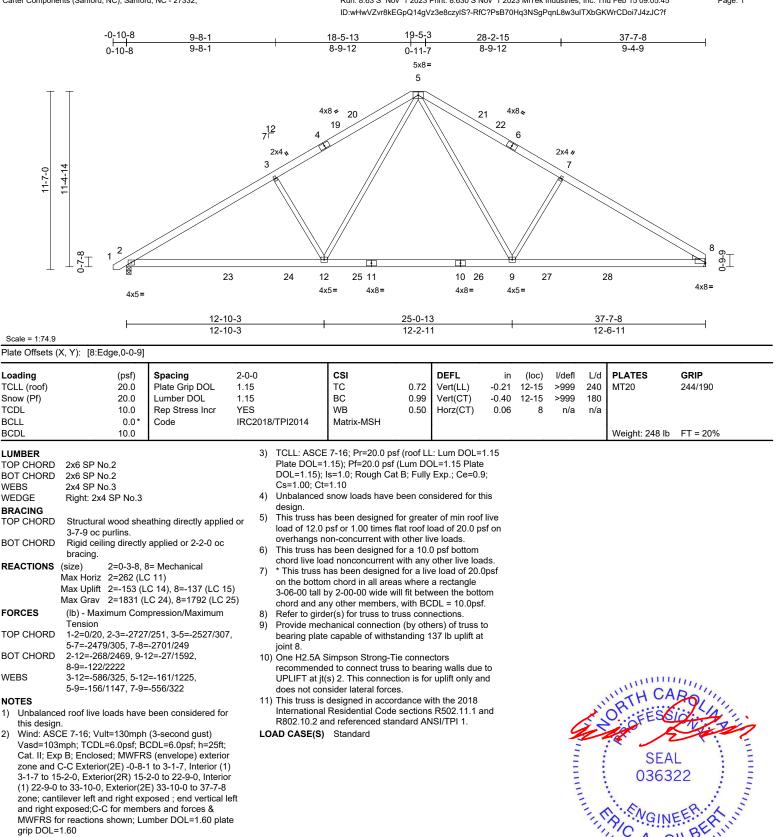
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	A05	Common	4	1	Job Reference (optional)	163649341

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:45

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and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2)



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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	A06	Common Supported Gable	2	1	Job Reference (optional)	163649342

#### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:45 ID:m3SKEq9uIPtUOdLRqf?zWOzyIQJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

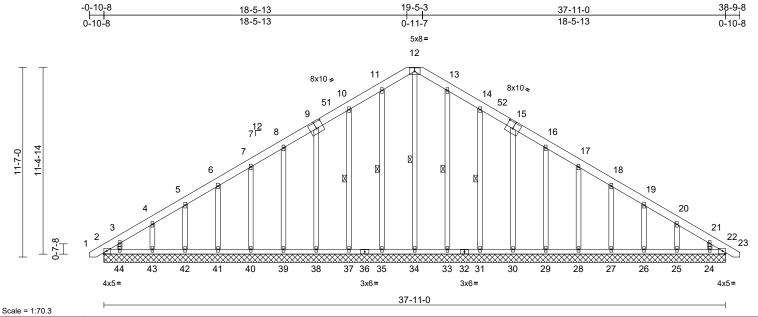


Plate Offsets (X, Y):	[9:0-5-0,0-4-8], [15:0-5-0,0-4-8]

	7, 1). [3.0-3-0,0-4-0]	], [13.0-3-0,0-4-0]								
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER TOP CHORD	(psf) 20.0 20.0 10.0 0.0* 10.0 2x6 SP No.2	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI           TC         0.06           BC         0.04           WB         0.15           Matrix-MSH	DEFL in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.01 22=113 (LC 27), 25=171 (LC 25),	1 - 1 -		PLATES MT20 Weight: 317 lb =-192/57, 11-35: =-192/85 9-38=:		
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.3 *Exce Structural wood she 6-0-0 oc purlins.	pt* 34-12:2x4 SP No.2 eathing directly applied y applied or 10-0-0 oc 12-34, 11-35, 10-37,		26=166 (LC 25), 28=167 (LC 25), 30=169 (LC 22), 33=240 (LC 22), 35=240 (LC 21), 38=169 (LC 21), 40=167 (LC 24), 42=166 (LC 28),	27=167 (LC 25), 29=162 (LC 25), 31=232 (LC 22), 34=216 (LC 15), 37=232 (LC 21), 39=162 (LC 24), 41=167 (LC 24), 43=170 (LC 24),	NOTES	7-40= 4-43= 14-31 16-29 18-27 20-25	=-127/75, 6-41=-127/74, 5-42=-126/74, =-130/75, 3-44=-113/93, 13-33=-200/36 1=-192/88, 15-30=-129/76, 9=-122/71, 17-28=-127/75, 7=-127/74, 19-26=-126/74, 5=-131/76, 21-24=-98/79 Tive loads have been considered for		
REACTIONS	(size) 2=37-11- 24=37-1 26=37-1 28=37-1 30=37-1 33=37-1 33=37-1 33=37-1 38=37-1 40=37-1 42=37-1 42=37-1 44=37-1 48=37-1 48=37-1 22=269 (I 24=-76 (I 24=-76 (I 30=-52 (I 33=-12 (I 37=-61 (I 39=-47 (I 39=-47 (I 39=-47 (I) 39=-47 (I) 41=-50 (I 43=-48 (I)	13-33, 14-31 -0, 22=37-11-0, 1-0, 25=37-11-0, 1-0, 27=37-11-0, 1-0, 29=37-11-0, 1-0, 34=37-11-0, 1-0, 37=37-11-0, 1-0, 39=37-11-0, 1-0, 41=37-11-0, 1-0, 43=37-11-0, 1-0, 45=37-11-0,	), ), ), ), ), ), ), ), ),	44=161 (LC 24), 48=113 (LC 27) (lb) - Maximum Compressin Tension 1-2=0/20, 2-3=-271/232, 3- 4-5=-204/191, 5-6=-185/17 7-8=-157/175, 8-10=-143/2 10-11=-150/264, 11-12=-11 12-13=-164/276, 13-14=-15 14-16=-119/195, 16-17=-67 17-18=-58/57, 18-19=-68/4 20-21=-131/77, 21-22=-17' 2-44=-120/162, 43-44=-76/ 42-43=-76/162, 43-44=-76/ 42-43=-76/162, 37-38=-76/ 38-39=-76/163, 34-35=-76/ 33-34=-76/163, 31-33=-76/ 30-31=-76/163, 31-33=-75/ 28-29=-75/162, 27-28=-75/ 24-25=-75/162, 22-24=-75/	4=-232/209, '3, 6-7=-171/168, :31, 64/276, 50/248, 7/104, 12, 19-20=-84/58, 5/90, 22-23=0/20 /162, /162, /162, /163, /163, /163, /162, /162, /162, /162, /162,	Vasd= Cat. II; zone a 2-11-8 Exterio 38-7-1 vertica forces	AŠCE 7-16 103mph; T( Exp B; End ind C-C Coin to 14-11-8, or(2N) 22-11 zone; canti I left and rig & MWFRS 1.60 plate g	closed; MWFRS rner(3E) -0-8-1 tc , Corner(3R) 14- 1-8 to 34-9-9, Co ilever left and rig ght exposed;C-C for reactions sho rip DOL=1.60	DL=6.0psf; h=25ft; (envelope) exterior y 2-11-8, Exterior(2N) 11-8 to 22-11-8, rmer(3E) 34-9-9 to nt exposed ; end for members and wn; Lumber	

#### Continued on page 2 WARNING - Verify

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TRENCIO AMITEK Atfiliate 818 Soundside Road Edenton, NC 27932

February 16,2024

Page: 1

Job	Truss	Truss Type	Qty Ply		DRB - 193 FaNC	
24020063	A06	Common Supported Gable	2	1	Job Reference (optional)	163649342

- 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) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) 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.
- 11) \* 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.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 2, 25 lb uplift at joint 22, 24 lb uplift at joint 35, 61 lb uplift at joint 37, 51 lb uplift at joint 38, 47 lb uplift at joint 39, 51 lb uplift at joint 40, 50 lb uplift at joint 41, 51 lb uplift at joint 42, 48 lb uplift at joint 43, 97 lb uplift at joint 44, 12 lb uplift at joint 33, 64 lb uplift at joint 31, 52 lb uplift at joint 30, 47 lb uplift at joint 29, 51 lb uplift at joint 28, 50 lb uplift at joint 27, 51 lb uplift at joint 26, 50 lb uplift at joint 25, 76 lb uplift at joint 24, 118 lb uplift at joint 24, 118 lb uplift at joint 22.
- 13) 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.

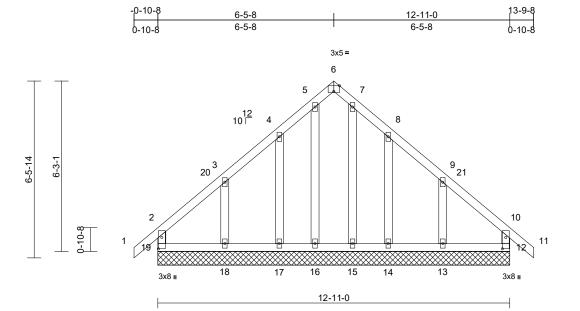
LOAD CASE(S) Standard

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:45 ID:m3SKEq9uIPtUOdLRqf?zWOzyIQJ-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	B01	Common Supported Gable	1	1	Job Reference (optional)	163649343

### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:46 ID:DUaG37pZrOU3DCUYzj7pLszyl0x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:42.3

#### Plate Offsets (X, Y): [6:0-2-8,Edge], [12:0-5-0,0-1-8], [19:0-5-0,0-1-8]

				-									-
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		тс	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.08	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES		WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0*	Code		3/TPI2014	Matrix-MR		(- )						
BCDL	10.0											Weight: 84 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 12=12-11 14=12-11 16=12-11 18=12-11 Max Horiz 19=-161 ( Max Uplift 12=-24 (L 14=-69 (L 18=-123 ( 44=213 (L 16=132 (L)	-0, 13=12-11-0, -0, 15=12-11-0, -0, 15=12-11-0, -0, 19=12-11-0, -0, 19=12-11-0 [LC 12] .C 11), 13=-121 (LC 1 (LC 14), 17=-67 (LC 14 (LC 14), 19=-38 (LC 1	3) 5), 4) 0) 2), 2), 1), 5)	this design. Wind: ASCE Vasd=103my Cat. II; Exp E zone and C-1 2-1-8 to 3-5- 9-5-8 to 10-9 cantilever lef right exposed for reactions DOL=1.60 Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design.	snow loads have b	h (3-sec BCDL=6 RS (env)-8 to 2- 8 to 9-5 9-8 to 1 d; end v s and foi OL=1.60 in the p d (norm nd Deta signer a: (roof LI Lum DC B; Fully peen cor	cond gust) 0.0psf; h=25ft; elope) exterior(21 3-9-8 zone; retrical left and rcces & MWFR 0 plate grip lane of the tru al to the face) its as applicat s per ANSI/TF L: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9 sidered for th	r 2N) V) d S ss , ble, 1.15 I.15 ; is	bea 19, upli join 14) Thi Inte R80	aring pla 24 lb up ift at join it 13. s truss is ernationa	te capa blift at j tt 18, 6 s desig al Resig and ref s) Sta	al connection (by able of withstand oint 12, 67 lb upl 9 lb uplift at joint gential Code sec ferenced standar ndard	tions R502.11.1 and
FORCES	(lb) - Maximum Com		6)	load of 12.0	as been designed for psf or 1.00 times fla	at roof l	bad of 20.0 ps					ORTH CA	ROY
TOP CHORD	6-7=-85/163, 7-8=-1	=0/38, 2-3=-109/88, 16/238, 5-6=-85/163, 17/238, 8-9=-77/142, =0/38, 10-12=-136/108	7) 8) 9)	All plates are Gable requir Truss to be f	on-concurrent with 2x4 MT20 unless es continuous botto ully sheathed from	otherwi om chor one fac	se indicated. d bearing. e or securely			4	i	and the second	A BAN
BOT CHORD	9-10=-95/72, 10-11= 18-19=-71/134, 17-1 16-17=-71/134, 15-1 14-15=-71/134, 13-1 12-13=-71/134	18=-71/134, 16=-71/134,	10 11	) Gable studs ) This truss ha chord live loa	nst lateral movement spaced at 2-0-0 oc as been designed for ad nonconcurrent v	c. or a 10.0 vith any	) psf bottom other live load	ds.				SEA 0363	
WEBS		=-125/25, 4-17=-181/1 <b>!</b> =-181/135,	12 137,	on the bottor 3-06-00 tall t	nas been designed m chord in all areas by 2-00-00 wide wil ny other members.	s where	a rectangle				in the	RIC NGIN	EEREX
NOTES					,							111111	

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)

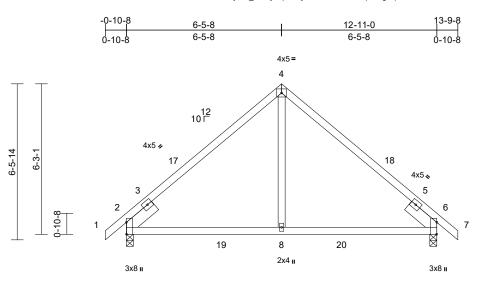


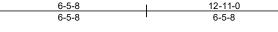
February 16,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC		
24020063	B02	Common	2	1	Job Reference (optional)	163649344	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:47 ID:LoSSV0ajn2Y\_u1Orj9HpxMzyl?x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





	Scale = 1:47.9	
Ì	Plate Offsets (X, Y):	[2:0-5-15,Edge], [6:0-5-15,Edge]

Plate Offsets (X, Y): [2:0-5-15,	Edge], [6:0-5-15,Edge]							
Loading         (ps           TCLL (roof)         20           Snow (Pf)         20           TCDL         10           BCLL         0           BCDL         10	.0     Plate Grip DOL     1.1       .0     Lumber DOL     1.1       .0     Rep Stress Incr     YE       .0*     Code     IR	15	CSI           TC         0.80           BC         0.52           WB         0.14           Matrix-MSH	DEFL         in           Vert(LL)         -0.08           Vert(CT)         -0.11           Horz(CT)         0.04	(loc) l/de 8-15 >99 8-15 >99 2 n/a	9 240 9 180	PLATES MT20 Weight: 64 lb	<b>GRIP</b> 244/190 FT = 20%
1-6-0 BRACING TOP CHORD Structural wood 4-2-2 oc purins BOT CHORD Rigid ceiling dir bracing. REACTIONS (size) 2=0- Max Horiz 2=14 Max Uplift 2=-53 Max Grav 2=69 FORCES (lb) - Maximum Tension TOP CHORD 1-2=0/34, 2-4=- 6-7=0/34 BOT CHORD 2-8=-208/438, 6 WEBS 4-8=0/366 NOTES 1) Unbalanced roof live loads I this design. 2) Wind: ASCE 7-16; Vult=130 Vasd=103mph; TCDL=6.0p Cat. II; Exp B; Enclosed; MM	ectly applied or 10-0-0 oc 3-8, 6=0-3-8 3 (LC 13) 2 (LC 14), 6=-52 (LC 15) 1 (LC 5), 6=691 (LC 6) Compression/Maximum 638/215, 4-6=-638/215, 5-8=-138/438 have been considered for mph (3-second gust) sf; BCL=6.0psf; h=25ft; WFRS (envelope) exterior 0-10-8 to 2-1-8, Exterior(2R) ) 10-9-8 to 13-9-8 zone; osed ; end vertical left and bers and forces & MWFRS r DOL=1.60 plate grip psf (roof LL: Lum DOL=1.15	<ul> <li>design.</li> <li>5) This truss hat load of 12.0 joverhangs ni chord live loa</li> <li>6) This truss hat chord live loa</li> <li>7) * This truss hat chord live load</li> <li>7) * This truss hat chord and ar</li> <li>8) One H2.5A Strecommended UPLIFT at jt(and does noi</li> <li>9) This truss is International</li> </ul>	snow loads have been cor as been designed for great psf or 1.00 times flat roof lo on-concurrent with other lin as been designed for a 10.0 ad nonconcurrent with any has been designed for a liv or chord in all areas where by 2-00-00 wide will fit betw my other members, with BC Simpson Strong-Tie connec d to connect truss to bear (s) 2 and 6. This connection t consider lateral forces. designed in accordance win Residential Code sections and referenced standard AN Standard	er of min roof live bad of 20.0 psf on ve loads. 0 psf bottom other live loads. e load of 20.0psf a rectangle veen the bottom DL = 10.0psf. ctors ing walls due to n is for uplift only ith the 2018 s R502.11.1 and			ORTH CA OFESS SEA 0363	•

DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) 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

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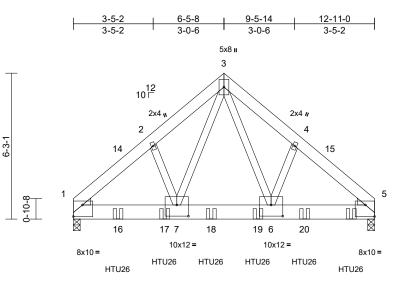
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February 16,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	B03	Common Girder	1	2	Job Reference (optional)	163649345

Scale = 1:49.4

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:47 ID:PVRPMaN6EKsdpAQXa1TIcHzyl\_v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



4-5-4	8-5-12	ر 12-11-0 I	
4-5-4	4-0-9	4-5-4	

#### Plate Offsets (X, Y): [1:Edge,0-5-15], [5:Edge,0-5-15], [6:0-6-0,0-5-12], [7:0-6-0,0-5-12]

	(X, T). [1.Edge,0-0-10	], [0.∟uge,0-0-10], [0	.0-0-0,0-0	12], [1.0-0-0,0	-0-12]								
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 NO IRC2018	3/TPI2014	CSI TC BC WB Matrix-MSH	0.20 0.27 0.80	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.08 0.01	(loc) 6-7 6-7 5	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 213 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x8 SP 2400F 2.0E 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing.	applied or 10-0-0 oc 5=0-3-8 C 35) C 12), 5=-471 (LC 13	4) d or 5) 6) 3) 7)	this design. Wind: ASCE Vasd=103mp Cat. II; Exp E zone; cantile and right exp DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. This truss ha	roof live loads have 7-16; Vult=130mp oh; TCDL=6.0psf; E 3; Enclosed; MWFF ver left and right e: oosed; Lumber DOI 7-16; Pr=20.0 psf (15); Pf=20.0 psf ( Is=1.0; Rough Cat =1.10 snow loads have b is been designed for ad nonconcurrent v	h (3-sea 3CDL=6 RS (env kposed L=1.60 (roof LI Lum DC B; Fully been col or a 10.	cond gust) 0.0psf; h=25ft elope) exteric ; end vertical plate grip .: Lum DOL= L=1.15 Plate Exp.; Ce=0.9 nsidered for th 0 psf bottom	; left 1.15 e ?; his	C		=-148	( )	B), 17=-1587 (B),  =-1485 (B)
FORCES TOP CHORD		-6077/454,	8)	on the bottor	nas been designed n chord in all areas by 2-00-00 wide wil	where	a rectangle						
BOT CHORD	5-6=-321/4658	-196/3403,	9)	One H2.5A S	ny other members. Simpson Strong-Tie ed to connect truss			to					un.
WEBS	3-6=-409/3909, 4-6= 2-7=-84/211	-92/209, 3-7=-247/40		and does not	s) 1 and 5. This co t consider lateral fo	rces.		only				"TH CA	ROUT
<ul> <li>(0.131"x3' Top chord staggered Bottom ch staggered Web conn</li> <li>2) All loads a except if r CASE(S) provided t</li> </ul>	s to be connected toget ") nails as follows: ls connected as follows at 0-9-0 oc. hords connected as follows at 0-6-0 oc. hected as follows: 2x4 - are considered equally noted as front (F) or bad section. Ply to ply conno o distribute only loads herwise indicated.	s: 2x6 - 2 rows ows: 2x8 - 2 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO, nections have been	11	International R802.10.2 an Use Simpsor 11-10dx1 1/2 spaced at 2-l end to 11-11 bottom chorc DAD CASE(S) Dead + Sno Increase=1 Uniform Loa	oles where hanger Standard ow (balanced): Lun .15	sections dard AN 6 (20-1) Girder) g at 1-1 (es) to l is in con	S R502.11.1 a NSI/TPI 1. Od Girder, or equivalent 1-0 from the back face of ntact with lum	left ber.		Mannan .	N. A.	111111	22

February 16,2024

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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 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 - 193 FaNC	
24020063	C01	Common	3	1	Job Reference (optional)	163649346

6-11-8 6-11-8

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

TCDL

BCLL

BCDL

WEBS

WEBS

NOTES

1)

2)

0-10-8

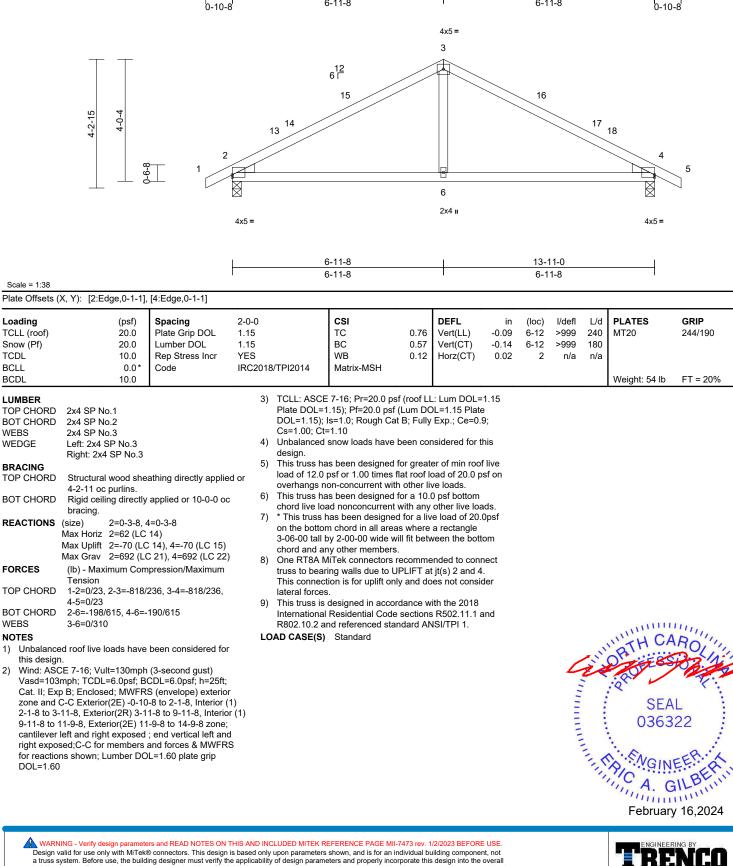
Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:48 ID:IkWvDyB894PVWLXPFI0EMszrXCP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

13-11-0

6-11-8

Page: 1

14-9-8



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)



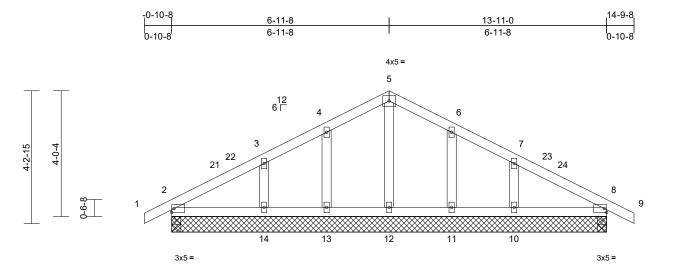
818 Soundside Road

Edenton, NC 27932

1111111111

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	C02	Common Supported Gable	1	1	Job Reference (optional)	163649347

Run: 8.63 E Aug 30 2023 Print: 8.630 E Aug 30 2023 MiTek Industries, Inc. Fri Feb 16 13:58:35 ID:7ttAU0FvkwAfEG\_YbZ7ec7zrXCJ-ms3r4n0TC5YgPG7g6M3yMDcw4UUxTTfDmBulj\_zkjXY Page: 1



13-11-0

Scale =	1.36.0

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/TI	PI2014	CSI TC BC WB Matrix-MSH	0.10 0.06 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 14-17 10-20 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 64 lb	<b>GRIP</b> 244/190 FT = 20%
	6-0-0 oc purlins. Rigid ceiling directly bracing. All bearings 13-11-0. Max Horiz 2=60 (LC Max Uplift All uplift 1 2, 8, 10, 1 Max Grav All reactic (s) 2, 8, 1 10=292 (L	00 (lb) or less at joint( 1, 13, 14, 15, 18	P D C 5) U or 6) T lo or 8) 6 8) 6 8) 7 c s) 10) * oint oi oint oi bit 3- c c t 3- c c t 3- c c t 3- c c c c c c c c c c c c c c c c c c c	Plate DOL=1 DOL=1.15); I CS=1.00; Ct= Jnbalanced: lesign. This truss ha bad of 12.0 p vverhangs no All plates are able studs s This truss ha thord live loa This truss ha thord live loa Dhis truss ha thord live loa Dhis truss ha thord live loa Dhis truss ha thord live loa Dhis truss ha thord live loa	7-16; Pr=20.0 ps 15); Pf=20.0 ps s=1.0; Rough Ca 1.10 snow loads have s been designed of or 1.00 times on-concurrent wit 2x4 MT20 unles spaced at 2-0-0 c s been designed d nonconcurrent as been designed n chord in all area y 2-00-00 wide w y other members	(Lum DC t B; Fully been cor for great flat roof k h other liv s otherwi c. for a 10.0 with any d for a liv as where iill fit betv	DL=1.15 Plate Exp.; Ce=0.5 asidered for the or of min roof or do 20.0 prove loads. se indicated. D psf bottom other live load e load of 20.0 a rectangle	e D; live sf on ds. Dpsf					

#### NOTES

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

(lb) or less except when shown.

- 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 Corner(3E) -0-10-8 to 2-1-8, Exterior(2N) 2-1-8 to 3-11-8, Corner(3R) 3-11-8 to 9-11-8, Exterior (2N) 9-11-8 to 11-9-8, Corner(3E) 11-9-8 to 14-9-8 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
- 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.
- 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

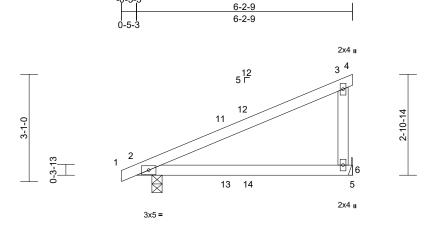


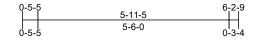
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 193 FaNC	
24020063	D01	Monopitch	3	1	Job Reference (optional)	163649348

#### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:49 ID:P3Zh9PwT6xb1p1Wx6SbYPyzyknI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





#### Scale = 1:33.2

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 IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.70 0.46 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.12 -0.09 0.00	(loc) 6-10 6-10 2	l/defl >602 >775 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 23 lb	<b>GRIP</b> 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 2=0-3-8, 6 Max Horiz 2=103 (LC Max Uplift 2=-74 (LC Max Grav 2=384 (LC	cept end verticals. applied or 10-0-0 oc 5= Mechanical C 13) : 10), 6=-69 (LC 11)	d or 6) * This tru on the bc 3-06-00 t chord an 7) Refer to 8) Provide r bearing p 6. 9) One H2.3 recomme UPLIFT a	has been designed load nonconcurrent ss has been designe ttom chord in all area all by 2-00-00 wide w d any other members jirder(s) for truss to to rechanical connectio late capable of withs A Simpson Strong-T nded to connect trus t jt(s) 2. This connec consider lateral force	with any d for a liv as where vill fit betv s. russ coni on (by oth tanding 6 Tie conne as to bear ction is fo	other live load re load of 20.0 a rectangle veen the botto nections. ers) of truss to 39 lb uplift at jo ctors ing walls due	opsf om o pint to					
FORCES	(lb) - Maximum Com Tension 1-2=0/10, 2-3=-110/	•	10) This trus Internatio	is designed in acco nal Residential Code 2 and referenced sta	rdance w e sections	s R502.11.1 ai	nd					
	3-6=-247/132	, ,		(S) Standard		00/1111.						
BOT CHORD NOTES	2-6=-91/115, 5-6=0/	U										
<ol> <li>Wind: ASC Vasd=103/ Cat. II; Exy zone and ( 3-0-0 to 3- cantilever   right expos members a Lumber DOL</li> <li>TCLL: ASC Plate DOL DOL=1.15 Cs=1.00; ( 3) Unbalance design.</li> <li>This truss load of 12.</li> </ol>	CE 7-16; Vult=130mph mph; TCDL=6.0psf; Bi p B; Enclosed; MWFR C-C Exterior(2E) 0-0-0 7-12, Exterior(2E) 3-7 left and right exposed sed; porch left and righ and forces & MWFRS OL=1.60 plate grip DC CE 7-16; Pr=20.0 psf (L :=1.15); Pf=20.0 psf (L :); Is=1.0; Rough Cat E Ct=1.10 ed snow loads have be has been designed foi .0 psf or 1.00 times flats s non-concurrent with o	CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-0, Interior (1) -12 to 6-7-12 zone; ; end vertical left and tt exposed;C-C for for reactions shown; L=1.60 roof LL: Lum DOL=1 um DOL=1.15 Plate t; Fully Exp.; Ce=0.9; een considered for thi greater of min roof I troof load of 20.0 pst	.15 s ive								SEA 0363	EER AL

- 3) ed snow loads have been considered for this Unt 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.

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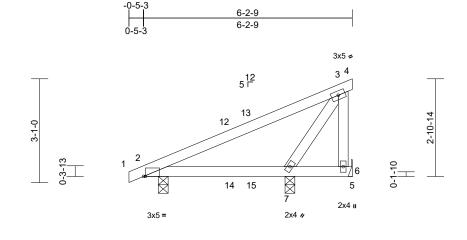


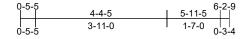
A. GI Min Gin February 16,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	D02	Monopitch	2	1	Job Reference (optional)	163649349

#### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:49 ID:W\_FFX8hjEi8l6tl7jYybgbzuVhh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:34.3

### Plate Offsets (X, Y): [2:0-0-11,Edge]

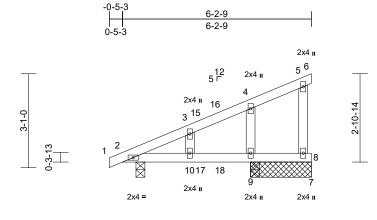
	A, T). [2.0-0-11,Euge	1												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.62 0.45 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.02 0.02 0.00	(loc) 7-11 8 6	l/defl >999 >999 n/a	L/d 240 180 n/a		<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103 Cat. II; Exp zone and 0 3 -0-0 to 3 cantilever right expos forces & M DOL=1.60 2) TCLL: ASC Plate DOL	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 2=0-3-8, 6 Max Horiz 2=103 (LC Max Uplift 2=-90 (LC 7=-190 (L Max Grav 2=444 (LC 7=135 (LC (lb) - Maximum Com Tension 1-2=0/10, 2-3=-360/. 3-6=-473/333 2-7=-161/225, 6-7=- 3-7=-371/403 CE 7-16; Vult=130mph mph; TCDL=6.0psf; Br pB; Enclosed; MWFR C-C Exterior(2E) 0-0-0 7-12, Exterior(2E) 0-7. 18ft and right exposed wFRS for reactions s plate grip DOL=1.60 CE 7-16; Pr=20.0 psf (L :1.5); Pf=20.0 psf (L :); Is=1.0; Rough Cat E	cept end verticals. applied or 10-0-0 oc 5= Mechanical, 7=0- C 13) C 10), 6=-140 (LC 14 C 21) C 21), 6=456 (LC 21 C 14) pression/Maximum 222, 3-4=-10/0, 32/47, 5-6=0/0 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-0, Interior (1) -12 to 6-7-12 zone; ; end vertical left ann d;C-C for members a hown; Lumber roof LL: Lum DOL=1	5) ed or 6) c 3-8 7) 3-8 8) ), 9) ), 9) 10 LC LC	load of 12.0 overhangs n This truss ha chord live loa * This truss f on the bottor 3-06-00 tall t chord and ar Refer to gird. Provide mec bearing plate joint 6. One H2.5A S recommende UPLIFT at jt( and does no ) This truss is International	I as been designed psf or 1.00 times f on-concurrent with some designed and ad nonconcurrent has been designed n chord in all area by 2-00-00 wide w y other members of for truss to tr hanical connection e capable of withst Simpson Strong-Ti ad to connect truss (s) 2 and 7. This c t consider lateral f designed in accor Residential Code nd referenced star Standard	flat roof I h other li for a 10. with any d for a liv as where ill fit betw. "uss com n (by oth tanding ie conne s to bear onnectio forces. "dance w	oad of 20.0 ps ve loads. 0 psf bottom other live loa ve load of 20.0 a rectangle veen the botto nections. ers) of truss t (40 lb uplift at ctors ing walls due n is for uplift of ith the 2018 \$ R502.11.1 a	sf on ds. Dpsf om to only				ORTH CA OFESS SEA 0363	ROLU L 22 EERCA	Mannunn
,	ed snow loads have be	en considered for th	is									2011111	y 16,2024	

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	D03	Monopitch Structural Gable	1	1	Job Reference (optional)	163649350

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:49 ID:IjIeQDoM7THUhFxslwciXUzuVhY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





#### Scale = 1:37.9

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.16	Vert(LL)	0.01	10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.18	Vert(CT)	-0.01	10	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.06	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC20	18/TPI2014	Matrix-MP								
BCDL	10.0											Weight: 27 lb	FT = 20%
LUMBER					7-16; Pr=20.0 ps	sf (roof Ll	· Lum DOI =	1 15					
TOP CHORD	2x4 SP No.2				.15); Pf=20.0 psf								
BOT CHORD	2x4 SP No.2				ls=1.0; Rough Ca								
WEBS	2x4 SP No.3			Cs=1.00; Ct=		, ,	,	-,					
OTHERS	2x4 SP No.3		4	) Unbalanced	snow loads have	been cor	nsidered for t	his					
BRACING				design.									
TOP CHORD	Structural wood she	eathing directly applie	dor <sup>5</sup>		is been designed								
	6-0-0 oc purlins, ex		u oi		psf or 1.00 times			sf on					
BOT CHORD		applied or 10-0-0 oc			on-concurrent wit		ve loads.						
	bracing.		6		spaced at 2-0-0 c								
REACTIONS	(size) 2=0-3-8,	8=2-0-0, 9=0-3-8	7		s been designed								
	Max Horiz 2=103 (L	,			ad nonconcurrent								
	Max Uplift 2=-45 (LC	,	ة 15-=(		nas been designe			Upst					
	(LC 14)				n chord in all area oy 2-00-00 wide w								
	Max Grav 2=257 (L	C 21), 8=58 (LC 21),			by 2-00-00 wide w		veen the boll	om					
	9=396 (L	C 21)	c	) N/A	ly other members	<b>.</b>							
FORCES	(lb) - Maximum Con	npression/Maximum		) N/A									
	Tension												
TOP CHORD	1-2=0/10, 2-3=-74/8	8, 3-4=-63/86,											
	4-5=-54/44, 5-6=-10	0/0, 5-8=-65/15	1	0) This truss is	designed in acco	rdance w	ith the 2018						
BOT CHORD	2-10=-91/115, 9-10	=-32/47, 8-9=-32/47,			Residential Code			and					
	7-8=0/0			R802.10.2 a	nd referenced sta	ndard AN	ISI/TPI 1.						
WEBS	4-9=-267/208, 3-10	=-79/42	L	OAD CASE(S)	Standard							, in the second	11111
NOTES			-									OBTIE	Ro
1) Wind: ASC	CE 7-16; Vult=130mph	n (3-second gust)									- 5	R	D. Link
,	mph; TCDL=6.0psf; B	· · · · ·								1	5.	A TAS	Dan
	B; Enclosed; MWFR										Z		
· · ·													

- Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 3-7-12, Exterior(2E) 3-7-12 to 6-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.



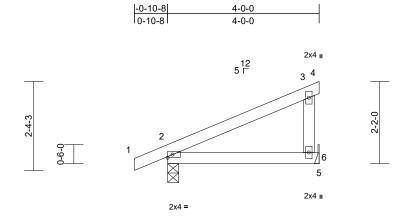
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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)

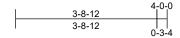


Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	D04	Monopitch	3	1	Job Reference (optional)	163649351

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:50 ID:j1fu1gEqRRKZOnLu?r26Kxzyklb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





4-0-0

#### Scale = 1:30.4

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 IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.28 0.18 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 6-9 6-9 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 16 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 4-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc 3= Mechanical 13) 2 14), 6=-33 (LC 14) 2 21), 6=231 (LC 21) ppression/Maximum	on the bott 3-06-00 tal chord and a 7) Refer to gir 8) Provide me bearing pla 6. 9) One H2.5A recomment UPLIFT at does not co 10) This truss i International	has been designed om chord in all area: by 2-00-00 wide wi any other members. der(s) for truss to tru- chanical connection te capable of withst. Simpson Strong-Tii led to connect truss t(s) 2. This connect nsider lateral forces s designed in accorra al Residential Code and referenced star ) Standard	s where ill fit betw uss conr n (by oth anding 3 e conne s to bear tion is for s. dance w sections	a rectangle veen the bott nections. ers) of truss 3 lb uplift at ctors ing walls due r uplift only a ith the 2018 5 R502.11.1 a	to joint e to nd				weight. To ib	11 - 2076
<ul> <li>Vasd=103r</li> <li>Cat. II; Exp</li> <li>zone and C</li> <li>exposed; e</li> <li>members a</li> <li>Lumber DC</li> <li>2) TCLL: ASC</li> <li>Plate DOL</li> <li>DOL=1.15)</li> <li>Cs=1.00; C</li> <li>3) Unbalance:</li> <li>design.</li> <li>4) This truss I</li> <li>load of 12.</li> <li>overhangs</li> <li>5) This truss I</li> </ul>	E 7-16; Vult=130mph mph; TCDL=6.0psf; Bi b B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and rig and forces & MWFRS DL=1.60 plate grip DC DL=1.60 plate grip DC DE 7-16; Pr=20.0 psf (L c); Is=1.0; Rough Cat E Ct=1.10 d snow loads have be has been designed for 0 psf or 1.00 times flat non-concurrent with o has been designed for oad nonconcurrent with	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and ri ght exposed;C-C for for reactions shown; IL=1.60 roof LL: Lum DOL=1 um DOL=1.15 Plate B; Fully Exp.; Ce=0.9; een considered for thi r greater of min roof I t roof load of 20.0 ps ther live loads. r a 10.0 psf bottom	ght .15 is f on						Contraction of the second seco		SEA 0363	EER ALU

A. GILBER

February 16,2024

A. GILBEN

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 - 193 FaNC	
24020063	D05	Monopitch Supported Gable	1	1	Job Reference (optional)	163649352

4-0-0

4-0-0

12 5 ⊏

2x4 II

2x4 II

3-8-12 3-8-12

0.08

0.03

0.05

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

3

-0-10-8

0-10-8

D

2x4 =

2-4-3

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

(psf)

20.0

20.0

10.0

0.0

0-9-0

1-11-4

1.15

1 15

YES

IRC2018/TPI2014

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

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:50 ID:3?Sn4OlzGzysUYErnOeH1 zyklW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

> 2x4 ⊪ ⊿ 5

> > P

6

2x4 II

4-0-0

in

0.00

0.00

0.00

(loc)

7-10

7-10

5

2-2-0

l/defl

>999

>999

n/a n/a

L/d

240

180

PLATES

Weight: 17 lb

MT20

Page: 1



BCDL 10.0 LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 WFBS OTHERS 2x4 SP No.3 BRACING TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing **REACTIONS** (size) 2=0-3-8, 5=3-6-8, 6=3-6-8, 7=3-6-8 Max Horiz 2=72 (LC 13) Max Uplift 2=-20 (LC 10), 5=-22 (LC 21), 6=-24 (LC 14), 7=-41 (LC 14) Max Grav 2=186 (LC 21), 5=8 (LC 14), 6=124 (LC 21), 7=220 (LC 21) FORCES (Ib) - Maximum Compression/Maximum Tension 1-2=0/30, 2-3=-100/78, 3-4=-40/48, TOP CHORD 4-5=-18/7. 4-6=-112/80 BOT CHORD 2-7=-36/66 6-7=-22/39 WFBS 3-7=-174/172 NOTES

Scale = 1:30.8

TCLL (roof)

Snow (Pf)

TCDL

BCLL

- 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 Corner(3E) -0-10-8 to 2-0-0, Exterior(2N) 2-0-0 to 4-0-0 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
- 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.

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

CSI

TC

BC

WB

Matrix-MP

- 7) 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint

10) N/A

 11) 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



818 Soundside Road

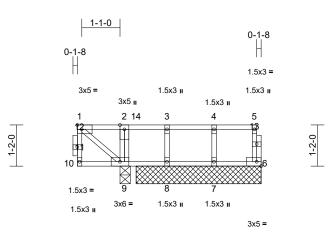
Edenton, NC 27932

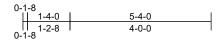
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 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 - 193 FaNC	
24020063	F01	Floor	1	1	Job Reference (optional)	163649353

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:51 ID:t19rr6aW27LPM5q9VNmj7\_zuVgY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1







Scale = 1:32.7

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	0.69	( )	0.01	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.66	Vert(CT)	0.01	8-9	>999	240		
BCLL	0.0	Rep Stress Incr	NO		WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IRC20	18/TPI2014	Matrix-MSH							Weight: 28 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD	2x4 SP 2400F 2.0E( 2x4 SP 2400F 2.0E(		7	/ International R802.10.2 a	designed in accor Residential Code nd referenced star 2x6 strongbacks.	sections	s R502.11.1 a ISI/TPI 1.	nd					
WEBS OTHERS	2x4 SP No.3(flat)		0		and fastened to e								
	2x4 SP No.3(flat)				) nails. Strongbac			alls					
BRACING TOP CHORD	Structural wood she	athing directly applie	nd or		ends or restraine			ano					
TOF CHORD	5-4-0 oc purlins, ex		9 9	) CAUTION, E	Do not erect truss I	backware	ds.						
BOT CHORD	Rigid ceiling directly		L	OAD CASE(S)	Standard								
	bracing, Except:		1		or Live (balanced)	): Lumbe	r Increase=1.	00,					
	10-0-0 oc bracing: 9	-10.		Plate Incre									
	( )	7=3-6-8, 8=3-6-8, 9=	0-3-8	Uniform Lo	ads (lb/ft) 0=-7, 1-5=-67								
	Max Uplift 6=-25 (LC				ed Loads (lb)								
	Max Grav 6=23 (LC		=-55	Vert: 1=-	( )								
FORCES	( <i>//</i>	=887 (LC 1)											
FURGES	(lb) - Maximum Corr Tension	ipression/waximum											
TOP CHORD	1-10=-166/0, 5-6=-2	3/16, 1-2=-1/1, 2-3=-	-1/1,										
	3-4=-1/1, 4-5=-1/1	, , , ,	•										
BOT CHORD	9-10=0/0, 8-9=-1/1,	,											
WEBS	2-9=-485/0, 1-9=-1/2	2, 3-8=-11/273,											
	4-7=-177/0												
NOTES												OR TH CA	LT
,	ed floor live loads have	e been considered fo	r									N''LL CA	DIL
this design		, otherwise indicated										THUA	10/11 ·
	are 1.5x3 MT20 unless		ι.								1	01.2200	

 Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

4) Gable studs spaced at 1-4-0 oc.

5) N/A

6) N/A



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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F02	Floor	1	1	Job Reference (optional)	163649354

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:52 ID:?L11H?LfzoPJ2wjSFpvjjUzuVfY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

L/d

l/defl

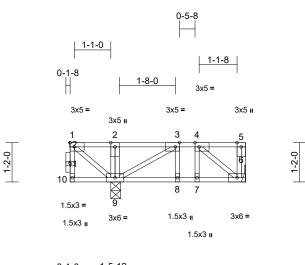
in

(loc)

PLATES

GRIP

Page: 1





Scale = 1:34.2

Plate Offsets (X, Y): [3:0-1-8,Edge], [4:0-1-8,Edge] CSI TC (psf) Spacing 1-4-0 DEFL Loading TCLL 40.Ó р 1.00 0.26 Vert(LL) ate Grin

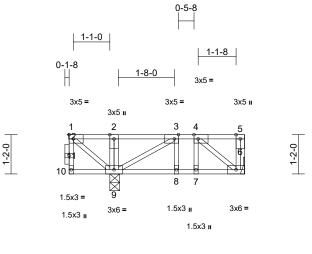
Loading TCLL	(pst) 40.0	Plate Grip DOL	1-4-0 1.00		TC	0.26	DEFL Vert(LL)	ın 0.01	(loc) 8-9	l/defl >999	L/d 360	MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.14	Vert(CT)	0.01	8-9	>999	240		
BCLL	0.0	Rep Stress Incr	NO		WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code	IRC2018/	PI2014	Matrix-MSH		-					Weight: 33 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) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 5-4-0 oc purlins, ex Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 9	cept end verticals. applied or 6-0-0 oc	1) ed or	Plate Increa Uniform Loa Vert: 6-10	ads (lb/ft) )=-7, 1-5=-67 ed Loads (lb)	Lumber	Increase=1.	00,					
	(size) 6= Mecha Max Uplift 6=-80 (LC Max Grav 6=105 (LC	/											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-10=0/4, 5-6=-53/0, 3-4=-80/149, 4-5=0/		15,										
BOT CHORD	9-10=0/0, 8-9=-149/3 6-7=-149/80												
WEBS	2-9=-116/0, 1-9=-53 3-9=-398/0, 3-8=-10											ORTH CA	
NOTES													11111
,	d floor live loads have	been considered fo	r								N.	"ATH UF	ROUTH
this design	rder(s) for truss to trus	connections									E.	O'EE8S	GAN'
	echanical connection (		)							4	20	11/	Kill
	ate capable of withstar	nding 80 lb uplift at jo	pint								1	2.4	
6.	is designed in accorda	noo with the 2019								=	1	SEA	L i i
	al Residential Code se		nd							Ξ		0363	22 E
R802.10.2	and referenced stand	ard ANSI/TPI 1.								-			
	nd 2x6 strongbacks, o											·	A 1. 3
	c and fastened to eac 3") nails. Strongbacks		alls								2.5	NGIN	FERRICA
	er ends or restrained										11	710	REIN
	Do not erect truss ba	ckwards.									T.	11, A. C	all
LOAD CASE(S	<ol> <li>Standard</li> </ol>											- minin	10.0004
												Februar	y 16,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F03	Floor	9	1	Job Reference (optional)	163649355

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:52 ID:IyU6JCeiKAQvwcY4fsLLiYzuVfA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1







Scale = 1:34.2

Plate Offsets (X, Y): [3:0-1-8,Edge], [4:0-1-8,Edge] PLATES Loading Spacing 1-4-0 CSI DEFL in l/defl L/d GRIP (psf) (loc) TCLL 40.0 Plate Grip DOL 1.00 тс 0.26 Vert(LL) 0.01 8-9 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.14 Vert(CT) 0.01 8-9 >999 240 BCLL 0.0 Rep Stress Incr NO WB Horz(CT) 0.00 6 0.13 n/a n/a BCDL 5.0 Code IRC2018/TPI2014 Matrix-MSH Weight: 33 lb FT = 20%F, 11%E LUMBER 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 TOP CHORD 2x4 SP No.2(flat) Uniform Loads (lb/ft) BOT CHORD 2x4 SP No.2(flat) 2x4 SP No.3(flat) Vert: 6-10=-7, 1-5=-67 WEBS 2x4 SP No.3(flat) Concentrated Loads (lb) OTHERS BRACING Vert: 1=-300 TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 9-10. REACTIONS (size) 6= Mechanical, 9=0-3-8 Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-10=0/4, 5-6=-53/0, 1-2=0/415, 2-3=0/415, 3-4=-80/149, 4-5=0/0 BOT CHORD 9-10=0/0 8-9=-149/80 7-8=-149/80 6-7=-149/80 1-9=-537/0, 4-7=-79/24, 3-9=-398/0, WEBS 3-8=-10/87, 4-6=-102/190, 2-9=-116/0 NOTES 1) Unbalanced floor live loads have been considered for this design. C Refer to girder(s) for truss to truss connections. 2) 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 111111111 SEAL This truss is designed in accordance with the 2018 4) 036322 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Recommend 2x6 strongbacks, on edge, spaced at 5) 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. 6) CAUTION, Do not erect truss backwards. G

LOAD CASE(S) Standard



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818 Soundside Road Edenton, NC 27932

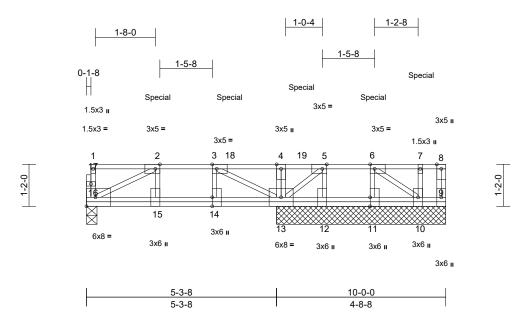
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February 16,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F04	Floor	1	1	Job Reference (optional)	163649356

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:52 ID:IVXzSq21Jci5?q9ce?yK4jzuVee-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:32.1

Plate Offsets (	(X, Y): [2:0-1-8,Edge],	, [3:0-1-8,Edge], [5:0	-1-8,Ed	ge], [6:0-1-8,Edg	e], [11:0-3-0,Edge	], [14:0-3	-0,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 IRC2	018/TPI2014	CSI TC BC WB Matrix-MSH	0.65 0.17 0.24	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 15 15 9	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 67 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS	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) 9=4-8-8, 12=4-8-8, Max Uplift 10=-60 (L 13=-205 ( Max Grav 9=8 (LC 1 11=337 (L 13=901 (L (1b) - Maximum Com Tension 1-16=-52/0, 8-9=-7/0 3-4=-27/125, 4-5=-2 6-7=-0/0, 7-8=0/0 15-16=-176/703, 14-	cept end verticals. applied or 6-0-0 oc 10=4-8-8, 11=4-8-8, 13=4-8-8, 16=0-3-8, C 8), 11=-59 (LC 8), [LC 8), 16=-96 (LC 8) [2), 10=347 (LC 29), LC 30), 12=120 (LC C 30), 12=120 (LC C 30), 16=457 (LC 0), 100, 1-2=0/0, 2-3=-703, 7/125, 5-6=-27/5, -15=-176/703, -13=-5/27, 11-12=-5/ )/0 -904/231,	ed or (, )) (11), 6) /176, /27,	Internationa R802.10.2 a 7) Recommen 10-00-00 oc (0.131" X 3' at their oute 8) CAUTION, 9) Hanger(s) c provided su lb down and 147 lb up at 6-0-0 on top connection 10) In the LOAE of the truss <b>LOAD CASE(S</b> 1) Dead + Fic Plate Incre Uniform Lc Vert: 9- Concentra	oor Live (balanced base=1.00 bads (lb/ft) 16=-7, 1-8=-67 ted Loads (lb) -106 (F), 6=-102 (l	e sections ndard Al , on edg aach trus: ks to be ad by oth backwar d device(s concentr. 0, and 4 d down au n/selecti sponsibili , loads a (F) or ba	s R502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d attached to v er means. ds. b) shall be ated load(s) 4 H4 lb down ar hd 77 lb up ar on of such ty of others. pplied to the ck (B). r Increase=1	valls 144 nd t face .00,				ORTH CA	ROLIN
this design 2) N/A 3) Truss to b braced ag	5-13=-155/31, 6-10= ed floor live loads have	e been considered fo one face or securely	ır								A A A A A A A A A A A A A A A A A A A	SEA 0363	22 EER A

- Truss to be fully sheathed from one face or securely 3) braced against lateral movement (i.e. diagonal web).



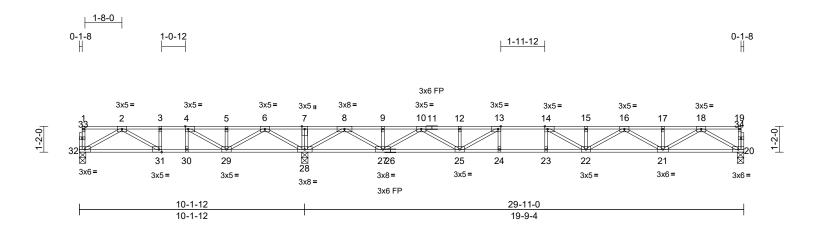
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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F05	Floor	4	1	Job Reference (optional)	163649357

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:53 ID:C9TTGtXBLPCeGk2FMKfAZfzuVcj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:51.9

TOP CHORD

BOT CHORD

WEBS

OTHERS

BRACING TOP CHORD

BOT CHORD

FORCES

**REACTIONS** (size)

2x4 SP No.2(flat)

2x4 SP No.3(flat)

2x4 SP No.3(flat)

No.1(flat)

bracing

Max Uplift

2x4 SP No.2(flat) \*Except\* 26-20:2x4 SP

Plate Offsets (X, Y	Plate Offsets (X, Y): [4:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge], [31:0-1-8,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	0.67	Vert(LL)	-0.26	22-23	>896	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.36	22-23	>657	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	20	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 151 lb	FT = 20%F, 11%E
LUMBER			NOTES									

- 1) Unbalanced floor live loads have been considered for
- this design.
- All plates are 1.5x3 MT20 unless otherwise indicated. 2)
- 3) One H2.5A Simpson Strong-Tie connectors
- recommended to connect truss to bearing walls due to UPLIFT at jt(s) 32. This connection is for uplift only and does not consider lateral forces.
- Structural wood sheathing directly applied or 4) This truss is designed in accordance with the 2018 6-0-0 oc purlins, except end verticals. International Residential Code sections R502.11.1 and Rigid ceiling directly applied or 6-0-0 oc R802.10.2 and referenced standard ANSI/TPI 1. 5) Recommend 2x6 strongbacks, on edge, spaced at 20=0-3-8, 28=0-3-8, 32=0-3-8 10-00-00 oc and fastened to each truss with 3-10d 32=-85 (LC 4)
- (0.131" X 3") nails. Strongbacks to be attached to walls 20=622 (LC 4), 28=1401 (LC 1), Max Grav at their outer ends or restrained by other means. 32=284 (LC 3) CAUTION, Do not erect truss backwards. 6) (Ib) - Maximum Compression/Maximum LOAD CASE(S) Standard Tension TOP CHORD 1-32=-45/0, 19-20=-47/0, 1-2=-3/0,
- 2-3=-542/482, 3-4=-542/482, 4-5=-329/940, 5-6=-329/940, 6-7=0/1946, 7-8=0/1946, 8-9=-562/69, 9-10=-562/69, 10-12=-1958/0, 12-13=-1958/0, 13-14=-2482/0, 14-15=-2508/0, 15-16=-2508/0, 16-17=-1692/0, 17-18=-1692/0, 18-19=-3/0 BOT CHORD 31-32=-179/395, 30-31=-482/542, 29-30=-482/542 28-29=-1310/0 27-28=-669/0. 25-27=0/1367. 24-25=0/2482. 23-24=0/2482, 22-23=0/2482, 21-22=0/2190, 20-21=0/972 WFBS 7-28=-135/0, 6-28=-976/0, 2-32=-454/207, 6-29=0/721, 2-31=-354/172, 5-29=-114/38, 3-31=-72/126, 4-29=-689/0, 4-30=0/129 8-28=-1478/0, 18-20=-1122/0, 8-27=0/1226, 18-21=0/841, 9-27=-116/0, 17-21=-114/0, 10-27=-961/0, 16-21=-581/0, 10-25=0/711,
  - 16-22=0/371, 12-25=-118/65, 15-22=-186/0, 13-25=-783/0, 14-22=-253/290, 13-24=-5/164, 14-23=-142/27



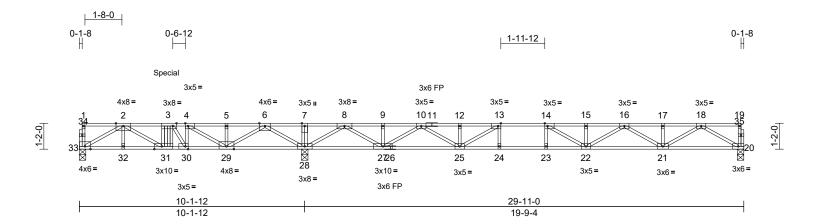
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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)



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F06	Floor Girder	1	1	Job Reference (optional)	163649358

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:54 ID:sMt\_mg7MVfj2TtZQXLWuNHzuVag-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:51.9

Plate Offsets (	X, Y): [3:0-2-0,Edge],	, [4:0-1-8,Edge], [13:0	0-1-8,Edg	e], [14:0-1-8,E	dge], [30:0-1-8,Edg	ge], [31:0	)-4-0,Edge]						
<b>Loading</b> 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 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.92 0.89 0.71	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.37 0.04	(loc) 22-23 22-23 20	l/defl >861 >639 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 158 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%I
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex	cept end verticals.			7-28=-143/0, 8-28: 8-27=0/1286, 18-2 17-21=-115/0, 10-: 10-25=0/761, 16-2 15-22=-198/4, 13-: 14-22=-316/379, 1 14-23=-165/43, 6-: 5-29=-126/0, 4-30: 6-28=-1730/323, 2 2-31=-1485/1117, 3-30=-720/512, 4-:	1=0/870 27=-101 2=0/397 25=-871, 3-24=-2 29=-369, =-399/56 -33=-14 3-31=-5	, 9-27=-116// 7/0, 16-21=-6 , 12-25=-126 /0, 1/187, /1485, i7, 36/1386, 36/738, 2-32	0, 510/0, 5/76,		Vert: 3=	840 (I	B)	
	0	LC 14), 28=1813 (LC LC 3) ppression/Maximum 47/0, 1-2=-3/0,	1) 1), 2)	this design. All plates ar Provide med bearing plat joint 33. This truss is	I floor live loads have the 1.5x3 MT20 unle chanical connection the capable of withst designed in accorr l Residential Code	ss other n (by oth anding 6 dance w	wise indicate ers) of truss 666 lb uplift a ith the 2018	d. to t					
BOT CHORD	32-33=-1208/1255, 30-31=-2584/2288, 28-29=-1733/117, 2 25-27=-143/1578, 2	2503, 8-9=-798/414, 12=-2146/0, 14=-2626/0, 16=-2606/0, 18=-1744/0, 18-19=-3 31-32=-1208/1255, 29-30=-2404/1978, 7-28=-1179/45,	6) 7) 2267,	R802.10.2 a Recommend 10-00-00 co (0.131" X 3" at their oute CAUTION, I Hanger(s) o provided su Ib down and design/seled responsibilit In the LOAE	and referenced star d 2x6 strongbacks, c and fastened to er ') nails. Strongback re rends or restraine Do not erect truss to or other connection fficient to support of d 1031 lb up at 3-1 ction of such conne	ndard AN on edge ach truss ks to be d by othe backward device(s oncentra 1-4 on to ection de	ISI/TPI 1. a, spaced at s with 3-10d attached to v er means. ds. ) shall be ated load(s) 8 p chord. Th vice(s) is the opplied to the	valls 376 e		Station of the second s	A.	SEA 0363	•
			L0 1)	DAD CASE(S) Dead + Flo Plate Incre Uniform Lo Vert: 20	) Standard oor Live (balanced) ease=1.00	. ,		.00,			in the second	111111	ILBERTING

February 16,2024

Page: 1

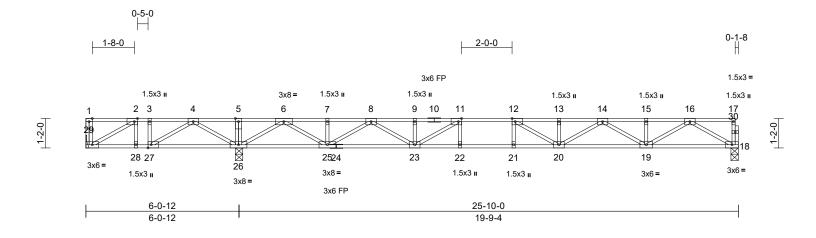
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 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 - 193 FaNC	
24020063	F07	Floor	7	1	Job Reference (optional)	163649359

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:55 ID:gdYG21IU6xT4QVRiP6\_OISzuVcR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:45.6

Scale = 1:45.6												
Plate Offsets (	X, Y): [2:0-1-8,Edge],	[11:0-1-8,Edge], [12	:0-1-8,Ed	ge], [27:0-1-8,E	Edge]	-			 		-	
<b>Loading</b> 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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.69 0.79 0.59	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.26 -0.35 0.03	l/defl >914 >667 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 132 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
UMBER FOP CHORD 30T CHORD WEBS DTHERS BRACING FOP CHORD 30T CHORD REACTIONS	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.	xcept* 24-18:2x4 SP athing directly applie cept end verticals. applied or 6-0-0 oc 26=0-3-8, 29= al LC 4)	1) 2) 3) 4) d or 5) 6) 6)	Unbalanced this design. All plates are Refer to gird Provide mec bearing plate joint 29. This truss is International R802.10.2 a Recommenc 10-00-00 oc (0.131" X 3" at their outer CAUTION, E	floor live loads has a 3x5 MT20 unless er(s) for truss to t hanical connections a capable of withs designed in acco Residential Code nd referenced stat l 2x6 strongbacks and fastened to e o nails. Strongba rends or restraine Do not erect truss	es otherwi truss conr on (by oth standing 2 ordance w e sections andard AN s, on edge each truss cks to be ed by othe	se indicated. nections. ers) of truss 91 lb uplift a 18502.11.1 a SI/TPI 1. e, spaced at attached to v er means.	to It and			weight. 132 ib	<u> </u>
ORCES	29=109 (L (Ib) - Maximum Com	_C 3)	.,, L	OAD CASE(S)	Standard							
TOP CHORD	Tension 1-29=-79/0, 17-18=- 2-3=-77/631, 3-4=-7 5-6=0/2007, 6-7=-39 8-9=-1822/0, 9-11=- 12-13=-2441/0, 13-1	47/0, 1-2=0/0, 7/631, 4-5=0/2007, 94/0, 7-8=-394/0, 1822/0, 11-12=-2384 4=-2441/0,	,									
BOT CHORD	28-29=-631/77, 27-2 26-27=-1314/0, 25-2	26=-722/0, 23-25=0/1 2=0/2384, 20-21=0/2	216,						9	- AL	ORTHOR	2
WEBS NOTES	5-26=-148/0, 4-26=- 4-27=0/857, 2-28=-1 6-26=-1491/0, 16-18 16-19=0/821, 7-25= 8-25=-966/0, 14-19=	985/0, 2-29=-89/724, 85/0, 3-27=-273/0, =-1101/0, 6-25=0/12 -116/0, 15-19=-114/0 -561/0, 8-23=0/715, -117/64, 13-20=-185/ )=-254/275,	240, ),								111111	22 ER A

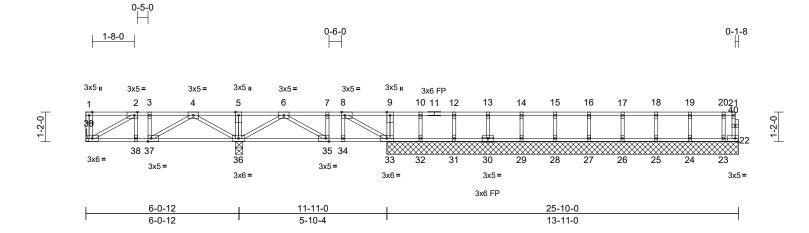
818 Soundside Road Edenton, NC 27932

February 16,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F08	Floor	1	1	Job Reference (optional)	163649360

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:55 ID:oOMcLI6I29Fq06jTAPWQVnzuVbz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



#### Scale = 1:45.6

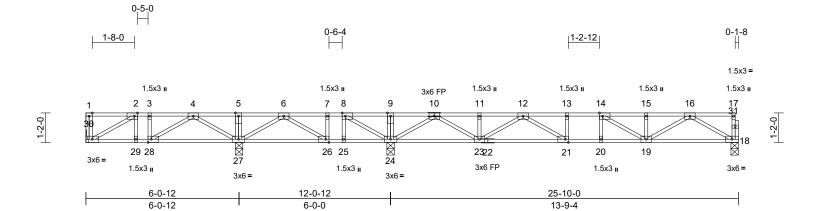
Plate Offsets (	(X, Y): [2:0-1-8,Edge],	[8:0-1-8,Edge], [35:0	-1-8,Edge], [37:0-1-8,E	dge]								
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.48	Vert(LL)	-0.01		>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01		>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	33	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 123 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) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 3 (size) 22=13-11 24=13-11	cept end verticals.	<sub>d or</sub> WEBS 34.	38-39=0/235, 37-3 35-36=-53/133, 3/ 32-33=-2/0, 31-32 28-29=-2/0, 27-28 25-26=-2/0, 24-25 22-23=-2/0 5-36=-122/0, 9-33 2-39=-270/0, 4-37 3-37=-52/0, 6-36= 6-35=0/119, 7-35= 10-32=-687/0, 12- 14-29=-689/0, 15- 17-26=-691/0, 18- 20-23=-569/0	4-35=0/2 =-2/0, 26 =-2/0, 26 =-357/0, 2 =-357/0, 8 =-370/0, 8 =-58/0, 8 -31=-691 -28=-689	04, 33-34=0/2 -31=-2/0, -27=-2/0, -24=-2/0, 4-36=-380/0, 2-38=-4/9, -33=-237/0, 34=0/25, 0, 13-30=-68 0, 16-27=-68	204, , , , , , , , , , , , , , , , , , ,					
FORCES TOP CHORD	28=13-11 30=13-11 30=213-11 39=Mech Max Uplift 22=-39 (L 24=722 (L 26=699 (L 28=698 (L 30=697 (L 30=697 (L 32=695 (L 36=527 (L (lb) - Maximum Com Tension 1-39=-51/0, 21-22=0 3-4=-235/0, 4-5=0/2 6-7=-204/0, 7-8=-20 10-12=0/2, 12-13=0/	-0, 29=13-11-0, -0, 31=13-11-0, -0, 33=13-11-0, 36=0 anical C 1) C 3), 23=576 (LC 1), C 4), 25=691 (LC 1), C 4), 27=697 (LC 1), C 4), 29=698 (LC 1), C 4), 31=700 (LC 1), C 4), 33=478 (LC 4), C 1), 39=187 (LC 3) pression/Maximum //39, 1-2=0/0, 2-3=-23 40, 8-9=0/2, 9.10=0/2, 1, 3-14=0/2, 14-15= 2, 17-18=0/2, 18-19= 	<ul> <li>-3-8, this design.</li> <li>2) All plates ar</li> <li>3) Truss to be braced agained in the study of the study of</li></ul>	oor Live (balanced) ase=1.00	ess other n one fac ent (i.e. c c. russ conr russ conr ve sections ndard AN , on edge ach truss ks to be ed by othe backward ): Lumbe	wise indicate e or securely iagonal web) nections. ith the 2018 R502.11.1 a ISI/TPI 1. e, spaced at with 3-10d attached to w er means. is.	d. , and /alls		6		SEA 0363 ACA. G February	L L L L L L L L L L L L L L L L L L L

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 - 193 FaNC	
24020063	F09	Floor	2	1	Job Reference (optional)	163649361

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:56 ID:vufW4kHS\_8u\_46DzQeFTXWzuVbm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



#### Scale = 1:45.6

Plate Offsets (	X, Y): [2:0-1-8,Edge],	[8:0-1-8,Edge], [14:	0-1-8,Edg	ge], [21:0-1-8,Ec	lge], [26:0-1-8,Edg	je], [28:0	)-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 BC	0.47	Vert(LL)	-0.06		>999	360	MT20	244/190
TCDL BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES		WB	0.40 0.36	Vert(CT) Horz(CT)	-0.08 0.01	21-23 18	>999 n/a	240 n/a		
BCDL	5.0	Code		18/TPI2014	Matrix-MSH	0.50		0.01	10	II/a	n/a	Weight: 135 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 18=0-3-8, Mechanic: Max Grav 18=427 (L	athing directly applie cept end verticals. applied or 6-0-0 oc 24=0-3-8, 27=0-3-8 al .C 13), 24=911 (LC .C 3), 30=175 (LC 1- pression/Maximum	2 3 4 5 ed or 6 , 30= <b>L</b> 11),	<ul> <li>All plates are</li> <li>Refer to gird</li> <li>This truss is International R802.10.2 at</li> <li>Recommend 10-00-00 oc (0.131" X 3") at their outer</li> </ul>	a 3x5 MT20 unless er(s) for truss to tru designed in accord Residential Code nd referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained o not erect truss b	uss conr dance w sections dard AN on edge ach truss to be d by othe	nections. ith the 2018 is R502.11.1 a ISI/TPI 1. e, spaced at is with 3-10d attached to w er means.					riogin. Too is	
	2-3=-211/10, 3-4=-2 5-6=0/325, 6-7=-45/ 8-9=0/921, 9-11=-60 12-13=-1208/0, 13-1 14-15=-1039/0, 15-1	11/10, 4-5=0/325, 577, 7-8=-45/577, 12/921, 11-12=-602/0 4=-1208/0,											
BOT CHORD	29-30=-10/211, 28-2 27-28=-107/112, 26- 25-26=-577/45, 24-2 21-23=0/1003, 20-21 18-19=0/638	27=-363/51, 5=-577/45, 23-24=-9								6	- AL	OR FESS	RUIN
WEBS NOTES 1) Unbalance this design	5-27=-120/0, 9-24=- 2-30=-242/12, 4-28= 3-28=-66/0, 6-27=-24 6-26=-249/27, 7-26= 10-24=-983/0, 16-18 16-19=0/468, 11-23= 12-23=-474/0, 14-19 13-21=-111/0, 14-20 ed floor live loads have h.	0/172, 2-29=-32/22, 89/171, 8-24=-611/0 -21/83, 8-25=0/100, =-735/0, 10-23=0/76 =-117/0, 15-19=-139 =-287/0, 12-21=0/32 =-47/41	, 64, /0, 28,									SEA 0363	ER.K.

February 16,2024

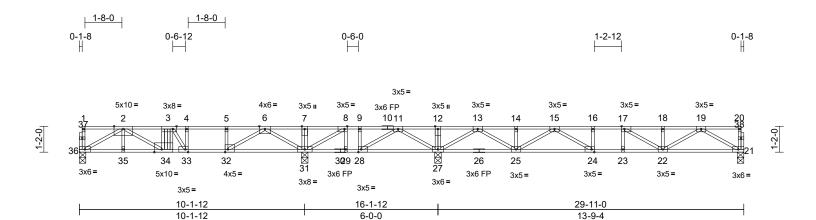
Page: 1

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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F10	Floor Girder	1	1	Job Reference (optional)	163649362

Run: 8.63 E Aug 30 2023 Print: 8.630 E Aug 30 2023 MiTek Industries, Inc. Fri Feb 16 14:07:24 ID:?Do1KBJqQm38Ex3FGwGtLxzuVZ8-mdXq5gQlddCcNZ3Lcy3?Im19mkp\_vXn5P?YnoqzkjPH Page: 1



#### Scale = 1:51.9

Laadina	(r - f)	Cassing	1.4.0		0.01		DEEL		(10.5)	l/d of	1.74		GRIP
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00		TC	0.79	DEFL Vert(LL)	in -0.17	(loc) 33-34	l/defl >687	L/d 360	PLATES MT20	244/190
TCDL	40.0	Lumber DOL	1.00		BC	0.94	Vert(CT)	-0.20		>598	240		244/130
BCLL	0.0	Rep Stress Incr	NO		WB	0.80	Horz(CT)	0.03	21	n/a	n/a		
BCDL	5.0	Code		8/TPI2014	Matrix-MSH	0.00		0.00	21	n/a	n/a	Weight: 158 lb	FT = 20%F, 11%E
LUMBER		•	N	OTES									
TOP CHORD	2x4 SP No.2(flat) *E 2400F 2.0E(flat)	xcept* 10-1:2x4 SP			floor live loads ha	ave been	considered f	or					
BOT CHORD	2x4 SP No.2(flat) *E 2400F 2.0E(flat)	Except* 36-30:2x4 SF	2)		e 1.5x3 MT20 unl designed in acco			d.					
WEBS	2x4 SP No.3(flat)		,	International	Residential Code	e sections	s R502.11.1 a	and					
OTHERS	2x4 SP No.3(flat)			R802.10.2 a	nd referenced sta	andard Al	NSI/TPI 1.						
BRACING			4)		2x6 strongbacks								
TOP CHORD		athing directly applie	d or		and fastened to								
	6-0-0 oc purlins, ex				) nails. Strongba			valls					
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	5		o not erect truss								
REACTIONS	All bearings 0-3-8.			Hanger(s) or	other connection	n device(s	s) shall be						
	Max Grav All reaction	ons 250 (lb) or less a	t ioint		ficient to support								
( )	(s) excep	t 21=424 (ĹC 5), 27=	1023		3-11-4 on top cho								
		31=861 (LC 3), 36=9	97 7		tion device(s) is t CASE(S) sectior								
	(LC 14)				are noted as front			lace					
FORCES		lax. Ten All forces	<sup>250</sup> L	DAD CASE(S)			ың (В).						
	(lb) or less except w		1)		or Live (balanced	I): Lumbe	r Increase=1.	.00,					
TOP CHORD	2-3=-3153/0, 3-4=-2 5-6=-2530/0, 6-7=-3	2530/0, 4-5=-2530/0,	,	Plate Increa		,		,					
	8-9=-370/166, 9-10	, ,		Uniform Lo	ads (lb/ft)								
		-12=0/987, 12-13=0/	987.		36=-7, 1-20=-67							munn	un,
		5=-567/0, 15-16=-11			ed Loads (lb)							W'TH CA	Rollin
	16-17=-1188/0, 17-	18=-1028/0,		Vert: 3=-	968 (F)						1	R	A Line
	18-19=-1028/0										1	O FESS	Dir Vin
BOT CHORD		5=0/1669, 33-34=0/3	207,							4	Ď	UP /	Car
	32-33=0/2530, 31-3											.2	
	30-31=-166/370, 29	,								-		SEA	L 🗼 🗧
	28-29=-166/370, 27 24-25=0/974 23-24	=0/1188, 22-23=0/11	88							=		OLA	
	21-22=0/632	-0/1100, 22-20-0/11	00,									0363	22 : E
WEBS		-128/374, 11-28=0/	541,							-		•	1 2
		1=-728/0, 13-25=0/7									-	·	a 1, 5
		=-486/0, 17-22=-271									2.5	NGIN	FERMAN
		-1910/0, 6-32=0/142									11	710	- FLIN
		0/460, 6-31=-1333/0,										SEA 0363	16 2024
	2-34=0/1690, 3-34=	-556/0, 3-33=-1145/0	J									111111	IIIIII I
												Februari	16 2024

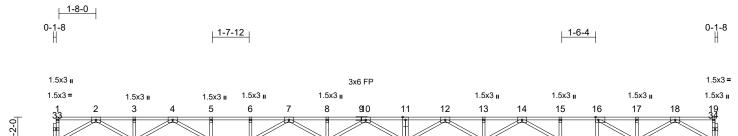
February 16,2024

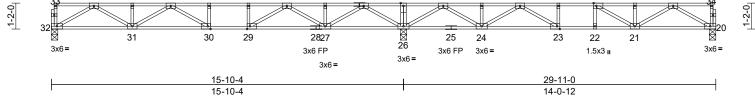


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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F11	Floor	12	1	Job Reference (optional)	163649363

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:58 ID:XePDXjXBdonprSHghdaYxEzuVXZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





#### Scale = 1:51.9

	X, Y): [16:0-1-8,Edg	ej, [∠3:0-1-6,⊏uge], [2 T	9.0-1-8,E0	igej, [30:0-1-8	,⊏uyej								
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	0.60	Vert(LL)	-0.13		>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.68	Vert(CT)	-0.19		>999	240		
BCLL BCDL	0.0	Rep Stress Incr	YES		WB	0.45	Horz(CT)	0.03	20	n/a	n/a		
BUDL	5.0	Code	IRC2018	8/TPI2014	Matrix-MSH							Weight: 150 lb	FT = 20%F, 11%E
LUMBER			1)		floor live loads ha	ve been	considered f	or					
FOP CHORD	2x4 SP No.2(flat)		2)	this design.	a 3x5 MT20 unless	othonwi	so indicatod						
BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.3(flat)		2) 3)		designed in accor								
OTHERS	2x4 SP No.3(flat)		0)	11110 11 100 10	Residential Code			and					
BRACING	2.0.0.1000(000)			R802.10.2 a	nd referenced star	ndard AN	ISI/TPI 1.						
TOP CHORD	Structural wood she	eathing directly applie	dor <sup>4)</sup>		2x6 strongbacks,								
	6-0-0 oc purlins, ex				and fastened to e								
BOT CHORD		y applied or 6-0-0 oc			nails. Strongbac			valls					
	bracing.		5)		ends or restraine to not erect truss l								
		, 26=0-3-8, 32=0-3-8	, í c	DAD CASE(S)		Sauran							
	Max Grav 20=437 ( 32=501 (	LC 4), 26=1311 (LC 1 LC 3)	1),	AD OAGE(O)	Otandard								
ORCES	(lb) - Maximum Cor	npression/Maximum											
	Tension												
TOP CHORD	1-32=-47/0, 19-20=	, ,											
	,	1291/0, 4-5=-1623/0, 1623/0, 7-8=-691/310											
	,	11=0/1534, 11-12=0/											
	12-13=-604/444, 13	,	,										
	14-15=-1257/18, 15	5-16=-1257/18,											
	,	18=-1071/0, 18-19=-3										OR EFSE	
BOT CHORD		1=0/1583, 29-30=0/16	623,									N''LL CA	Dill
	27-29=-101/1223, 2	,										"ATH UA	TO III
	24-26=-730/0, 23-2 22-23=-18/1257, 21										S.	OFFE	D. A.L.
	20-21=0/655	-22-10/1207,									2x	Profile	Nig
NEBS		6=-1182/0, 2-32=-887	7/0,							2		.05	4: -
	10-27=0/947, 2-31=	=0/608, 8-27=-130/0,								-			
	,	-687/0, 4-31=-341/1,										SEA	
	,	210/134, 5-30=-60/42	,							=	:	0363	22 : =
	,	=-1082/0, 18-20=-754  =0/486, 13-24=-122/	,							-			- 1 5
	17-21=-163/0, 14-2	,	ο,								-	·	A 1 3
		-23=0/510, 15-23=-1	75/0,								2.0	A.SNGINI	EFRICAS
	16-22=-84/8		,								1	AU GIN	Et in
NOTES												C A. G	ILBUIN
												111111	un un
												Echruon	16 2024

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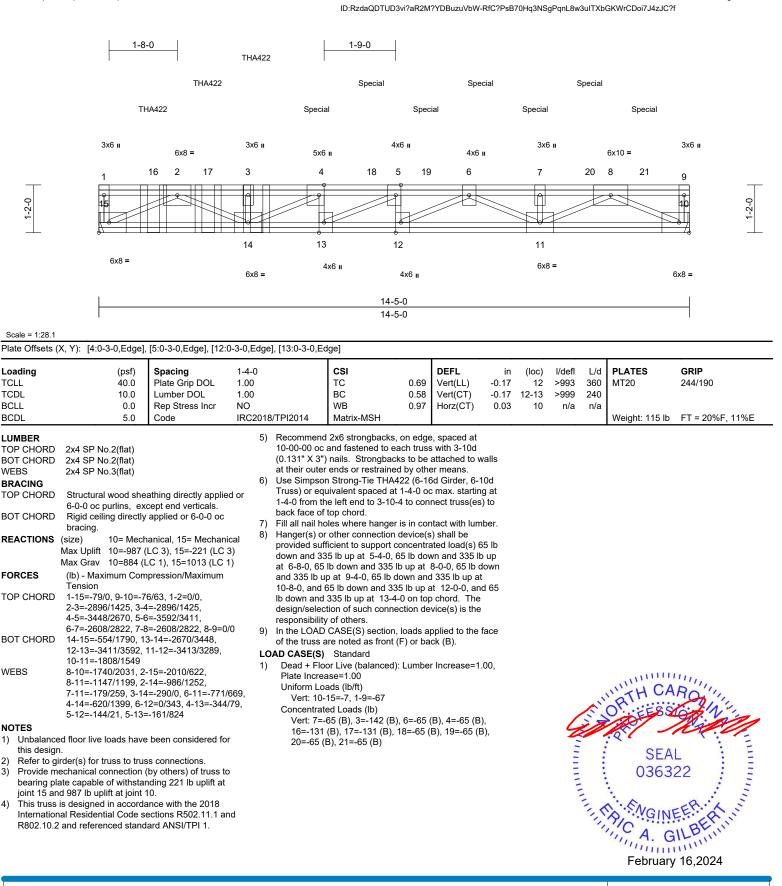
A MiTek Affilia 818 Soundside Road Edenton, NC 27932

February 16,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	F12	Floor Girder	1	1	Job Reference (optional)	163649364

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:58

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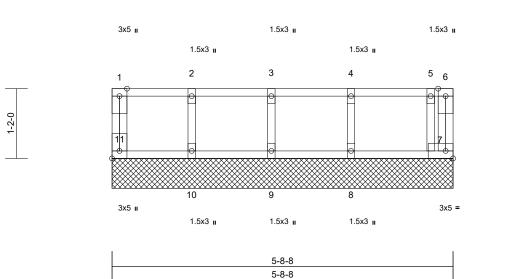
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type		Ply	DRB - 193 FaNC		
24020063	FW05	Floor Supported Gable	1	1	Job Reference (optional)	163649365	

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:59 ID:M1Acg1bSekvkSR4yXL32kuzuVPk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x5 🛛



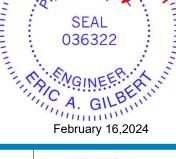


Page: 1

Scale = 1:19.3

Plate Offsets (X, Y): [11:Edge,0-1-8]

	x, i). [ii.∟uge,o-i-o	]											
<b>Loading</b> 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 NO		CSI TC BC WB	0.26 0.08 0.09	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 7	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		/TPI2014	Matrix-MR	0.00		0.00	•	1.04		Weight: 28 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.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 5-8-8 oc purlins, ex Rigid ceiling directly bracing. (size) 7=5-8-8, 8	cept end verticals.		Plate Increa Uniform Loa			r Increase=1.(	00,					
	10=5-8-8,	11=5-8-8											
	Max Grav 7=227 (LC	C 1), 8=393 (LC 1), 9 )=336 (LC 1), 11=172											
	(LC 1), 10	-330 (LC T), TT-172	2 (LC										
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD	Tension 1-11=-159/0, 6-7=0/3		41/0,										
BOT CHORD	3-4=-41/0, 4-5=-41/0 10-11=0/41, 9-10=0/	·	/41										
WEBS	2-10=-338/0, 3-9=-3	54/0, 4-8=-377/0,											
NOTES	5-7=-262/0											minin	UIII.
	uires continuous bottor	m chord bearing.										"TH CA	ROUL
2) Truss to be	e fully sheathed from c	one face or securely									A	R	it his
	ainst lateral movement ds spaced at 1-4-0 oc.	t (i.e. diagonal web).								6	in		Nist
	is designed in accorda	ance with the 2018										:0	K. 1.
Ínternation	nal Residential Code se	ections R502.11.1 ar	nd							-		SEA	L 1 E
	and referenced stand									Ξ			
	nd 2x6 strongbacks, o oc and fastened to eac									THURSE STREET		0363	22 : 3
(0.131" X 3	3") nails. Strongbacks	to be attached to wa	alls										1 3
	ter ends or restrained l AD CASE(S) section, lo		200								1.0	N. SNGINI	EERIAS
	s are noted as front (F		100								14	SIO. GIN	affin
LOAD CASE(	•											11, A. G	ILDIN

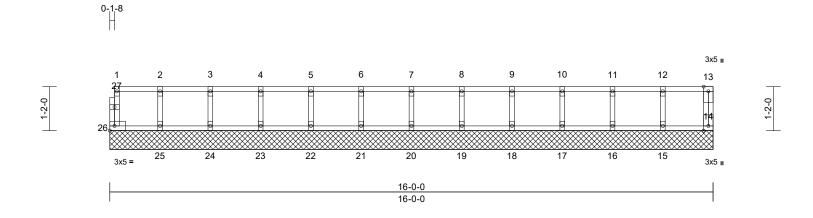


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Job	Truss	Truss Type		Ply	DRB - 193 FaNC	
24020063	FW16	Floor Supported Gable	1	1	Job Reference (optional)	163649366

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:05:59 ID:yUcnjZmkwxIzFXpWsqxFISzuVXF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:30.6

Scale = 1:30.6												
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	-	n/a	999	MT20	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	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MR							Weight: 68 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) 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.	athing directly applie cept end verticals. applied or 10-0-0 oc	5) This trus: Internatio R802.10. 6) Recomm 10-00-00 (0.131" X at their ou 7) CAUTIOI LOAD CASE	s is designed in acc nal Residential Coc 2 and referenced st end 2x6 strongback oc and fastened to 3") nails. Strongba uter ends or restrair N, Do not erect truss (S) Standard	de sections tandard AN (s, on edge each truss acks to be ned by othe	R502.11.1 a ISI/TPI 1. s, spaced at with 3-10d attached to wer means.						
REACTIONS	17=16-0-( 20=16-0-( 23=16-0-( 26=16-0-( Max Grav 14=42 (LC (LC 1), 17 1), 19=98 21=98 (LC	C 1), 15=95 (LC 1), 1 7=98 (LC 1), 18=98 (I 6 (LC 1), 20=98 (LC 1 C 1), 22=98 (LC 1), 2 1=99 (LC 1), 25=95 (I	0-0, 0-0, 0-0, 6=98 _C ), 3=98									
FORCES	(lb) - Maximum Corr Tension	pression/Maximum										
TOP CHORD	3-4=-7/0, 4-5=-7/0, 5 7-8=-7/0, 8-9=-7/0, 5 11-12=-7/0, 12-13=-	9-10=-7/0, 10-11=-7/0 7/0	),							- M	ORTH CA	ROLIN
BOT CHORD	21-22=0/7, 20-21=0	/7, 23-24=0/7, 22-23 /7, 19-20=0/7, 18-19 /7, 15-16=0/7, 14-15	=0/7,						4		P /	AN T
WEBS	2-25=-87/0, 3-24=-9 5-22=-89/0, 6-21=-8 8-19=-89/0, 9-18=-8 11-16=-89/0, 12-15=	9/0, 7-20=-89/0, 9/0, 10-17=-89/0,									SEA 0363	
NOTES										1	·	A 1. 5
1) All plates a	are 1.5x3 MT20 unless	s otherwise indicated								20	NGIN	FERMAN
	uires continuous botto									14	20	SER.N
,	e fully sheathed from o	,									11. A. C.	ill Dunn
	ainst lateral movemen	t (I.e. diagonal web).									A. 0	11111
<li>4) Gable stud</li>	ds spaced at 1-4-0 oc.										Lehmien	10 0004



February 16,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 193 FaNC	
24020063	V1	Valley	1	1	Job Reference (optional)	163649367

5-5-1

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

Scale = 1:36.9 Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

REACTIONS

FORCES

WFBS

1)

2)

3)

NOTES

TOP CHORD

BOT CHORD

this design.

DOL=1.60

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

bracing.

Max Uplift

Max Grav

Tension

2-4=-711/312

3-0-5 to 7-10-6, Exterior(2E) 7-10-6 to 10-10-6 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

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.

(size)

TCDL

BCLL

BCDL

#### Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.09:05:59 ID:GR86vAHIZ5TLvyZqpJEsHwzylSj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

10-6-0

10-10-2



GRIP

244/190

FT = 20%

5-5-1 5-0-15 4x5 = 2 10 4-2-12 11 1-6-7 12 10 Г 12 3 4 3x5 🖌 2x4 u 3x5 💊 10-10-2 Spacing 2-0-0 CSI DEFL l/defl L/d PLATES (psf) in (loc) 20.0 Plate Grip DOL 1.15 TC 0.58 Vert(LL) n/a n/a 999 MT20 BC 20.0 1 15 0.51 Lumber DOL Vert(TL) n/a n/a 999 10.0 Rep Stress Incr YES WB 0.26 Horiz(TL) 0.01 4 n/a n/a 0.0 Code IRC2018/TPI2014 Matrix-MSH 10.0 Weight: 42 lb TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) 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 5) desian. Structural wood sheathing directly applied or Gable requires continuous bottom chord bearing. 6) 10-0-0 oc purlins. 7) Gable studs spaced at 4-0-0 oc. Rigid ceiling directly applied or 6-0-0 oc This truss has been designed for a 10.0 psf bottom 8) chord live load nonconcurrent with any other live loads. 1=10-10-2, 3=10-10-2, 4=10-10-2 \* This truss has been designed for a live load of 20.0psf 9) Max Horiz 1=-102 (LC 12) on the bottom chord in all areas where a rectangle 1=-74 (LC 21), 3=-74 (LC 20), 3-06-00 tall by 2-00-00 wide will fit between the bottom 4=-137 (LC 14) chord and any other members. 1=74 (LC 20), 3=74 (LC 21), 4=904 10) Provide mechanical connection (by others) of truss to (LC 21) bearing plate capable of withstanding 74 lb uplift at joint (lb) - Maximum Compression/Maximum 1, 74 lb uplift at joint 3 and 137 lb uplift at joint 4. 11) This truss is designed in accordance with the 2018 1-2=-143/451, 2-3=-143/451 International Residential Code sections R502.11.1 and 1-4=-262/198, 3-4=-262/198 R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard Unbalanced roof live loads have been considered for ORT 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) 0-0-5 to 3-0-5, Exterior(2R)



SEAL

036322

111111111

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818 Soundside Road Edenton, NC 27932

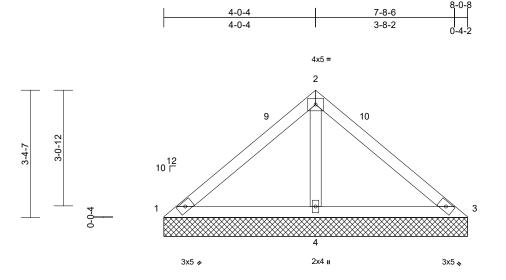
VIIIIIIIVVVVV

Job	Truss	Truss Type	Qty Ply DRB - 193 FaNC		DRB - 193 FaNC	
24020063	V2	Valley	1	1	Job Reference (optional)	163649368

#### Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 09:06:00 ID:GR86vAHIZ5TLvyZqpJEsHwzylSj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



8-0-8

Scale = 1:30.5

Loading         (psf)         Spacing           TCLL (roof)         20.0         Plate Grip DOL           Snow (Pf)         20.0         Lumber DOL           TCDL         10.0         Rep Stress Incr           BCLL         0.0*         Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.34 0.33 0.12	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL 10.0	IRC2010/1FI2014								Weight: 30 lb	FT = 20%
LUMBER           TOP CHORD $2x4$ SP No.2           BOT CHORD $2x4$ SP No.2           OTHERS $2x4$ SP No.3           BRACING         TOP CHORD           TOP CHORD         Structural wood sheathing directly applied or 6-0-0 oc bracing.           BOT CHORD         Rigid ceiling directly applied or 6-0-0 oc bracing.           REACTIONS         (size)         1=8-0-8, 3=8-0-8, 4=8-0-8 Max Horiz           Max Uplift         1=-75 (LC 10) Max Uplift 1=-35 (LC 20), 3=-35 (LC 20), 4=-91 (LC 14) Max Grav           Max Grav         1=105 (LC 20), 3=-105 (LC 21) 4=628 (LC 21)           FORCES         (lb) - Maximum Compression/Maximum Tension           TOP CHORD         1-2=-111/282, 2-3=-111/282           BOT CHORD         1-2=-192/173, 3-4=-192/173           WEBS         2-4=-460/234           NOTES         NOTES	Plate DC DOL=1. Cs=1.00 5) Unbalan or 6) Gable st 7) Gable st 8) This trus chord liv 9) * This tru on the b 3-06-00 chord ar 10) Provide bearing 1, 35 lb 11) This trus Internati R802.10	SCE 7-16; $Pr=20.0 p$ $J_{L}=1.15$ ; $Pr=20.0 ps$ $I_{L}=1.15$ ; $Pr=20.0 ps$ $I_{L}=1.10$ ; Rough C ; $Ct=1.10$ ced snow loads have quires continuous bo uds spaced at 4-0-0 s has been designer e load nonconcurrent iss has been designer totom chord in all are tall by 2-00-00 wide id any other member mechanical connecti- plate capable of with uplift at joint 3 and 9° s is designed in acco- onal Residential Cod .2 and referenced st E(S) Standard	f (Lum DC at B; Fully been cor ottom chor oc. I for a 10.1 t with any ed for a liv as where will fit betv s. on (by oth standing 3 I bupiff a ordance w e sections	DL=1.15 Plate Exp.; Ce=0.9 nsidered for the d bearing. 0 psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t 55 lb uplift at j at joint 4. ith the 2018 & R502.11.1 a	ds. Dpsf om oint					

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-5 to 3-0-5, Exterior(2R) 3-0-5 to 5-0-13, Exterior(2E) 5-0-13 to 8-0-13 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 3) 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.

mining CARO  $\cap$ anninninn, \* ITTELEVENTIAL INT SEAL 036322 GI in annin February 16,2024

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 PCB Building Component Science Institute (average component description description (unwe theoremonent) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



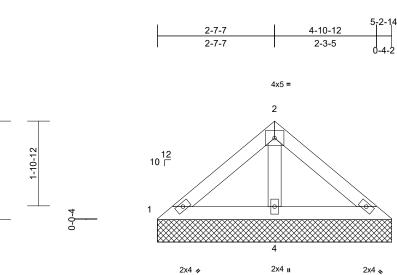
Job	Truss	Truss Type	Qty Ply DRB - 193 FaNC		DRB - 193 FaNC	
24020063	V3	Valley	1	1	Job Reference (optional)	163649369

2-2-7

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Page: 1

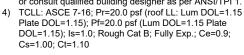


2x4 🍫

5-2-14

Scale = 1:25.8

ocale - 1.20.0												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER TOP CHORD BOT CHORD OTHERS	(psf) 20.0 20.0 10.0 0.0* 10.0 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	design 6) Gable 7) Gable	nced snow loads have requires continuous be studs spaced at 4-0-0	ottom cho oc.	d bearing.	in n/a n/a 0.00 his	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 19 lb	<b>GRIP</b> 244/190 FT = 20%
I	Structural wood she 5-2-14 oc purlins. Rigid ceiling directly bracing. (size) 1=5-2-14, Max Horiz 1=-47 (LC Max Uplift 3=-6 (LC Max Grav 1=92 (LC (LC 21)	applied or 6-0-0 oc 3=5-2-14, 4=5-2-14 2 12) 15), 4=-39 (LC 14)	ed or 2000 chord 1 9) * This 1 3-06-0 4 10) Provide bearing 4=329 11) This tr	Iss has been designed ve load noncourreer russ has been design bottom chord in all are tottom chord in all are tottom chord in all are tottom the second wide and any other member mechanical connect plate capable of with b uplift at joint 4. Iss is designed in account	nt with any ed for a liv eas where will fit betw rs. ion (by oth standing 6 ordance w	other live loa re load of 20.0 a rectangle veen the botto ers) of truss t b lb uplift at jo ith the 2018	Opsf om to int 3					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	(lb) - Maximum Corr Tension 1-2=-84/121, 2-3=-8 1-4=-92/99, 3-4=-92 2-4=-210/114 d roof live loads have	4/121 /99	R802.1 LOAD CA\$	tional Residential Coc 0.2 and referenced st i <b>E(S)</b> Standard			in ia					10
<ol> <li>Wind: ASC Vasd=103r Cat. II; Exp zone and C exposed; e members a Lumber DC</li> <li>Truss desi only. For s see Standa or consult c</li> <li>TCLL: ASC Plate DOL=</li> </ol>	E 7-16; Vult=130mph mph; TCDL=6.0psf; B b B; Enclosed; MWFR c-C Exterior(2E) zone end vertical left and riu and forces & MWFRS DL=1.60 plate grip DC igned for wind loads in studs exposed to wind ard Industry Gable En qualified building desis DE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L b; Is=1.0; Rough Cat E	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and I ght exposed;C-C for for reactions shown pL=1.60 h the plane of the tru (normal to the face d Details as applical gner as per ANSI/TF roof LL: Lum DOL=- um DOL=1.15 Plate	or right ; uss ), ble, Pl 1. 1.15 ;								SEA 0363	EER. AUT



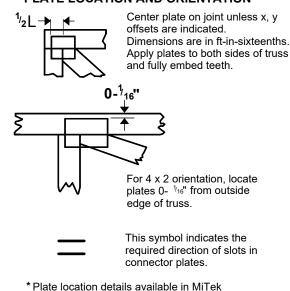
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818 Soundside Road Edenton, NC 27932

A. GIL February 16,2024

# 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

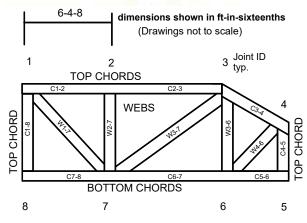


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

#### **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.