

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

Phone #:919-775-1450

Builder: DRB HOMES Model: 192 FaNC MERLOT 2



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.

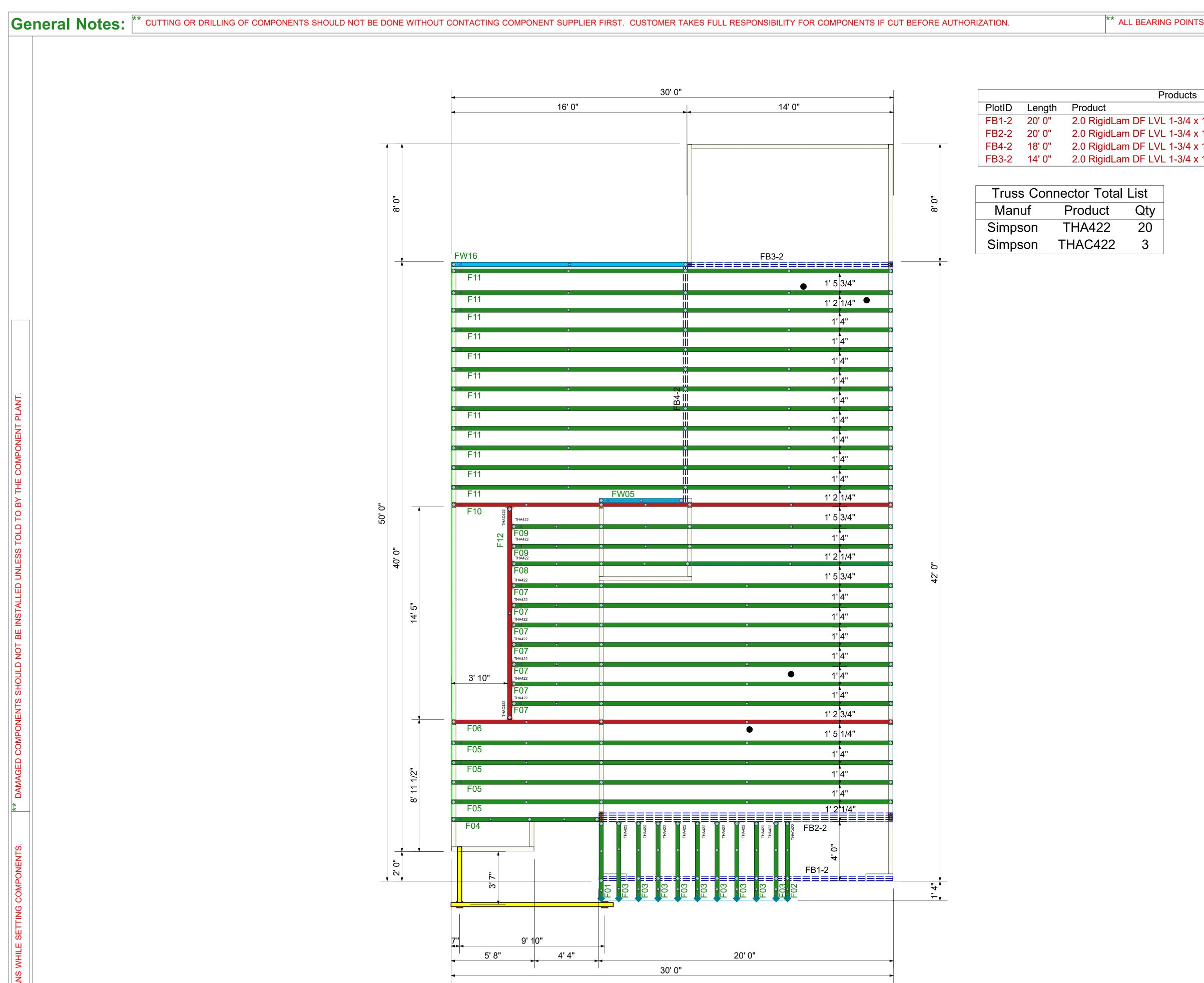
6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components,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

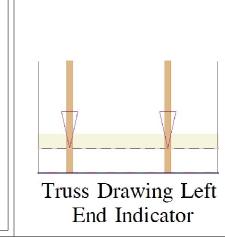
7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

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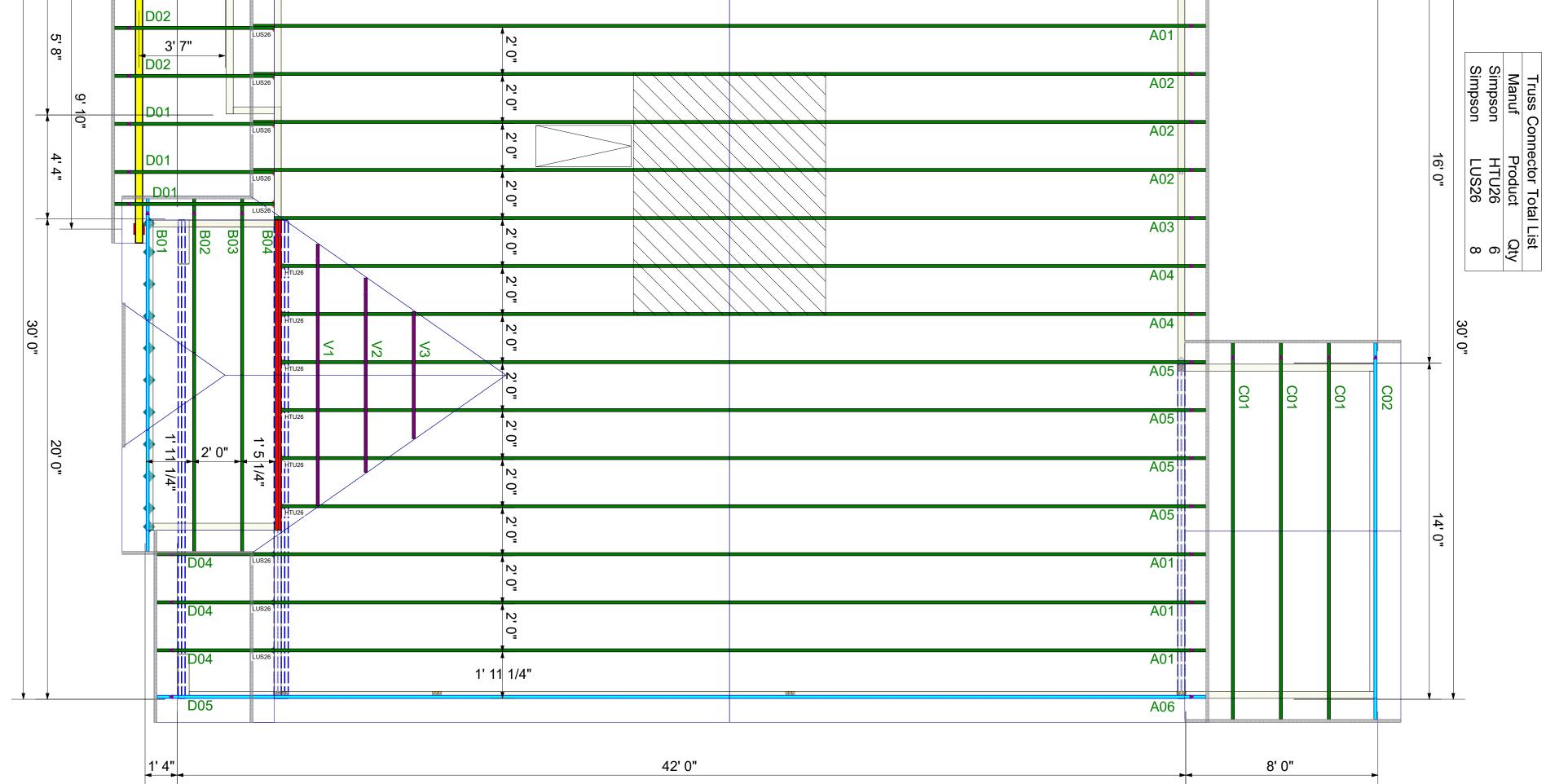
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6			
	Plies	Net Qty	Fab Type
x 11-7/8	2	2	FF
x 14	4	4	FF
x 14	2	2	FF
x 14	2	2	FF

Revisions 00/00/00 Name 00/00/00 Name 00/00/00 Name 00/00/00 Name 00/00/00 Name 00/00/00 Name
THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The design of the truss support 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 Bivision of the Carter Lumber Company
DRB HOMES 192 FARM AT NEILLS CREEK MERLOT 2 COMPONENT PLACEMENT PLAN
Scale: NTS Date: 2/15/2024 Designer: ND Project Number: 24020062 Sheet Number: 1/1

** 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 INDICATES AS SHOWN ON INDIVIDUAL TRUSS AS SHOWN ON INDIVIDUAL TRUSS INDICATES AS SHOWN ON INDIVIDUAL TRUSS INDICATES AS SHOWN ON INDIVIDUAL TRUSS AS	LANS WHILE S	ETTING COMPONENTS.	** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.	
DRAWINGS.		2' 0"	50' 0" 40' 0"	8' 0"
** PLUMBING DROPS NOTE	5' 8" 9' 10"	D03 D02 D02 3' 7" D02 UUS26 D01 UUS26		A06 A01 A02 A02
ARE IN THE ADDROVIMATE I O	4.4.	D01		A02 A03 A04 A04
	0" 20' 0"	1 1 1 2' 0" 1 5 1/4" D04 LUS26		A05 A05 A01 Image: A05





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



** GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.

** DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.

** TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.

00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	Revisions
Name	Name	Name	Name	Name	sions



Trenco 818 Soundside Rd Edenton, NC 27932

Re: 24020062 DRB - 192 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: I63648025 thru I63648058

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

North Carolina COA: C-0844



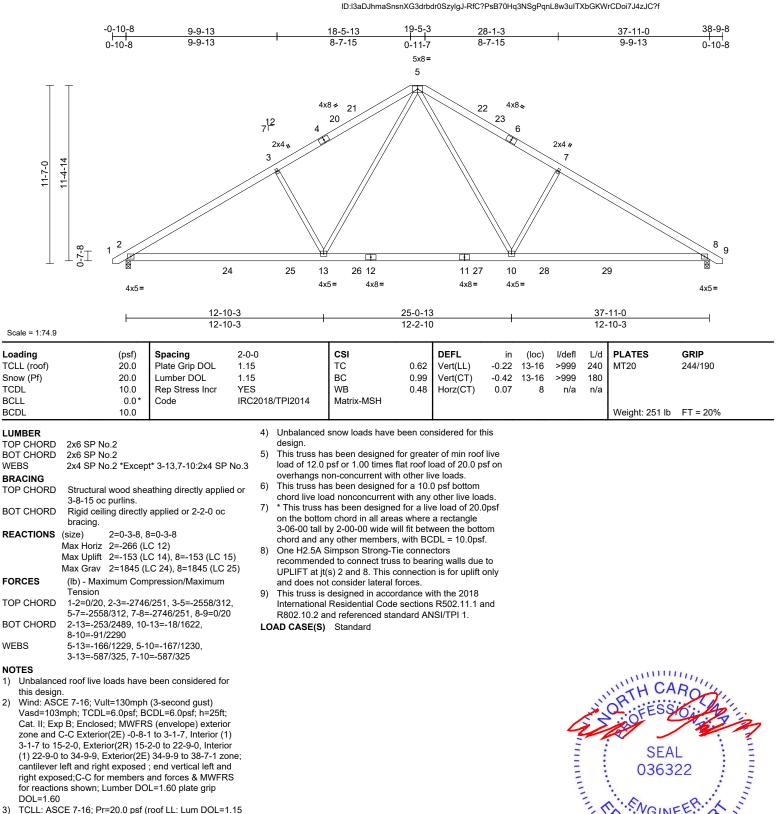
February 15,2024

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 - 192 FaNC	
24020062	A01	Common	4	1	Job Reference (optional)	163648025

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.08:32:34



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)



818 Soundside Road

Edenton, NC 27932

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February 15,2024

Page: 1

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	A02	Common	3	1	Job Reference (optional)	163648026

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:38 ID:I3aDJhmaSnsnXG3drbdr0SzylgJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

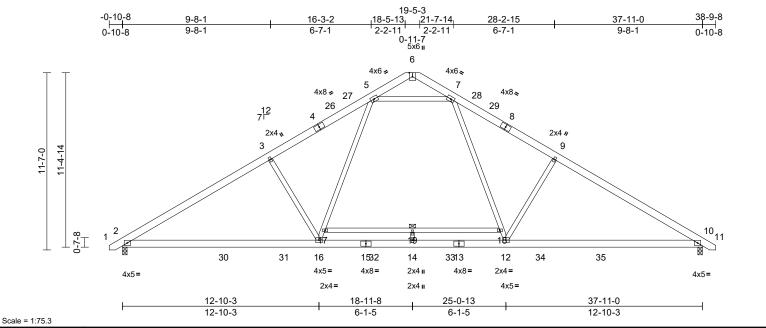


Plate Offsets (X, Y): [6:0-0-1,Edge], [9:0-0-0,0-0-0]

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 No.2
WEBS	2x4 SP No.3 *Except* 17-18:2x4 SP No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 17-18
REACTIONS	(size) 2=0-3-8, 10=0-3-8
	Max Horiz 2=266 (LC 13)
	Max Uplift 2=-53 (LC 14), 10=-53 (LC 15)
	Max Grav 2=1884 (LC 24), 10=1884 (LC 25)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-2=0/20, 2-3=-2822/28, 3-5=-2622/70,
	5-6=-228/60, 6-7=-227/60, 7-9=-2622/70,
	9-10=-2822/28, 10-11=0/20
BOT CHORD	2-16=-93/2551, 14-16=0/1946,
	12-14=0/1946, 10-12=0/2352
WEBS	16-17=-27/1129, 5-17=-13/1164,
	7-18=-14/1164, 12-18=-27/1129,
	17-19=-83/0, 18-19=-83/0, 14-19=0/26,
	5-7=-1661/136, 3-16=-561/331,
	9-12=-561/331

NOTES

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

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 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

- 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.
- 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.
- 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.
- 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



Page: 1

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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	A03	Common	1	1	Job Reference (optional)	163648027

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:39 ID:Ssy_SIr0YqnBwoALSo9K10zylZI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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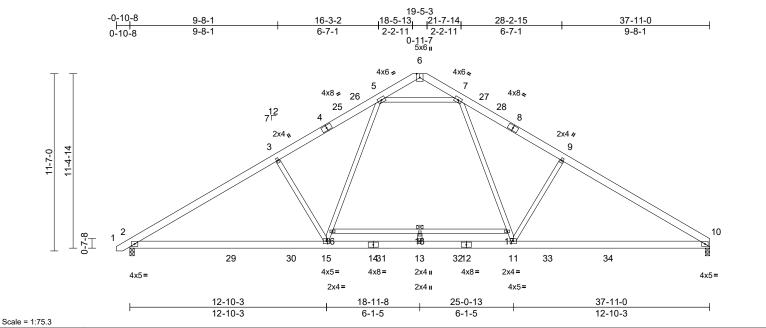


Plate Offsets (X, Y): [6:0-0-1,Edge], [8:0-0-0,0-0-0], [9:0-0-0,0-0-0]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Plate Grip DOL Lumber DOL Rep Stress Incr	-0-0 .15 .15 /ES RC2018/TPI20	CSI TC BC WB Matrix-MSH	0.52 0.54 0.91	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 11-24 11-24 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 267 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x6 SP 2400F 2.0E No.2 2x4 SP No.3 *Excep Structural wood shea 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 Uplift 2=-53 (LC	2 11)	Vasd Cat. I zone 3-1-7 (1) 22 r zone; and r MWF grip [3) TCLL Plate DOL= Cs=1 , 4) Unba	ASCE 7-16; Vult=130mp 103mph; TCDL=6.0psf; Exp B; Enclosed; MWF ond C-C Exterior(2E) -0-6 o 15-2-0, Exterior(2E) 19 9-0 to 34-1-8, Exterior(2 cantilever left and right e that exposed;C-C for men S for reactions shown; L DL=1.60 ASCE 7-16; Pr=20.0 psf 0DL=1.15); Pf=20.0 psf (1.15); Is=1.0; Rough Cat 30; Ct=1.10 anced snow loads have t	CDL=6 RS (env i-1 to 3- 5-2-0 to E) 34-1- xposed abers ar umber (roof LI Lum DC B; Fully	0.0psf; h=25ft elope) exteric 1-7, Interior (* 22-9-0, Interio 8 to 37-11-0 ; end vertical d forces & DOL=1.60 pla L: Lum DOL= DL=1.15 Plate Exp.; Ce=0.§	or 1) or left ate 1.15 9;						
FORCES	(lb) - Maximum Com Tension		5) This	uss has been designed f									
TOP CHORD			overh 6) 200.0	 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 AC unit load placed on the bottom chord, 18-11-8 from left end, supported at two points, 5-0-0 									
BOT CHORD	2-15=-98/2547, 13-1	5=0/1942, 11-13=0/194	2, apart	<i>i</i> 11		• •	,				mm	1111	
WEBS	10-11=0/2356 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	=-14/1166,	chorc 8) * This on th 3-06-	uss has been designed f live load nonconcurrent v truss has been designed bottom chord in all area: 0 tall by 2-00-00 wide wi and any other members,	vith any for a liv s where Il fit betv	other live loa e load of 20.0 a rectangle veen the botto	Opsf om		4		ORTH CA	ROUT	
NOTES 1) Unbalance this design	ed roof live loads have	been considered for	9) One recor UPLI only a 10) This t Interr R802	2.5A Simpson Strong-Ti mended to connect truss T at j(s) 2 and 10. This of hd does not consider late uss is designed in accorr ational Residential Code 10.2 and referenced star SE(S) Standard	e conne to bear connecti ral force dance w sections	ctors ing walls due on is for uplifi es. ith the 2018 s R502.11.1 a	to t			A A A A A A A A A A A A A A A A A A A	SEA 0363	•	

A. GILLIN February 15,2024



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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	A04	Common	2	1	Job Reference (optional)	163648028

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:41 ID:Ssy SIr0YqnBwoALSo9K10zylZI-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f

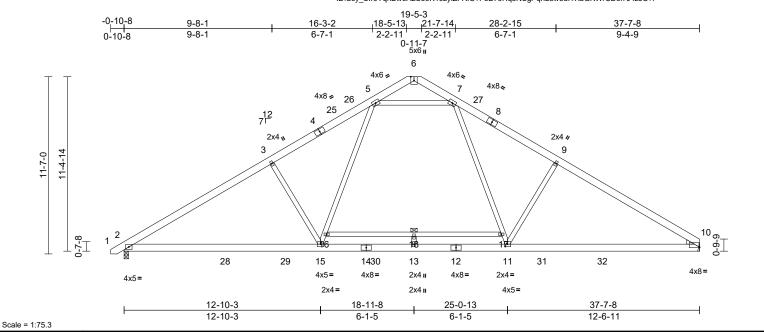


Plate Offsets (X, Y): [6:0-0-1,Edge], [10:Edge,0-0-5]

		1		1								
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

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	
	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,
	13-18=0/29
NOTES	
1) Unbalance	ed roof live loads have been considered for

1) Unbalanced 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
- 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.
- 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.
- 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) Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 10.
- 11) 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.

 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



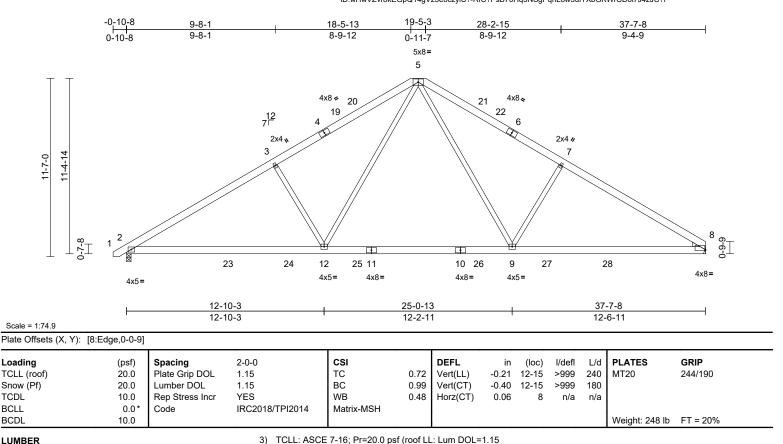
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 192 FaNC	
24020062	A05	Common	4	1	Job Reference (optional)	163648029

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:42 ID:wHwVZvr8kEGpQ14gVz3e8czylS?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





2x6 SP No.2 TOP CHORD BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3 *Except* 12-5,9-5:2x4 SP No.2 WEDGE Right: 2x4 SP No.3 4) BRACING 5) TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins. BOT CHORD Rigid ceiling directly applied or 2-2-0 oc 6) bracing REACTIONS (size) 2=0-3-8, 8= Mechanical 7) Max Horiz 2=262 (LC 11) Max Uplift 2=-153 (LC 14), 8=-137 (LC 15) Max Grav 2=1831 (LC 24), 8=1792 (LC 25) FORCES (Ib) - Maximum Compression/Maximum Tension 9) TOP CHORD 1-2=0/20, 2-3=-2727/251, 3-5=-2527/307, 5-7=-2479/305, 7-8=-2701/249 BOT CHORD 2-12=-268/2469, 9-12=-27/1592, 8-9=-122/2223 WEBS 3-12=-586/325, 5-12=-161/1225, 5-9=-156/1147, 7-9=-556/322

NOTES

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

2) Wind: AŠCE 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
 Ubble reduced base base base paralleles of for the

-) 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.
 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at
- joint 8. 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.
- 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



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 - 192 FaNC	
24020062	A06	Common Supported Gable	2	1	Job Reference (optional)	163648030

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:42 ID:m3SKEq9uIPtUOdLRqf?zWOzyIQJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

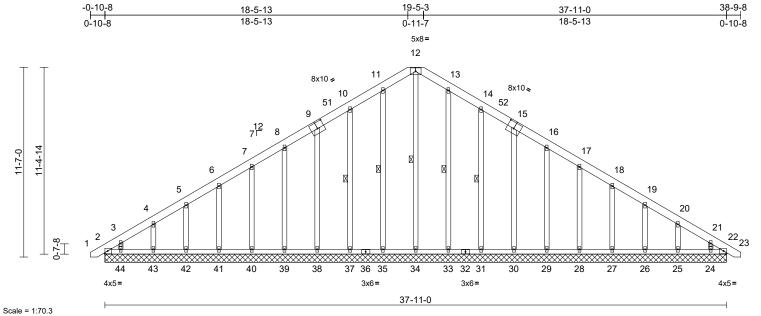


Plate Offsets (X, Y): [9:0-5-0,0-4-8], [15:0-5-0,0-4-8]

	, f). [9.0-5-0,0-4-6], [15.0-5-0,0-4-6]								
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 0.0 BC 0.0 WB 0.1 Matrix-MSH	4 Vert(CT) r 5 Horz(CT) 0.	in (loo n/a 01 2 WEB	- n/a - n/a 22 n/a		PLATES MT20 Weight: 317 lb I=-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 sh 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 2 28=167 (LC 2 30=169 (LC 2 33=240 (LC 2 35=240 (LC 2 38=169 (LC 2 40=167 (LC 2 42=166 (LC 2	5), 27=167 (LC 25), 5), 29=162 (LC 25), 2), 31=232 (LC 22), 2), 34=216 (LC 15), 1), 37=232 (LC 21), 1), 39=162 (LC 24), 4), 41=167 (LC 24), 3), 43=170 (LC 24),	NOT 1) [7-40= 4-43= 14-31 16-29 18-27 20-25	127/75, 6-41=-' 130/75, 3-44=-' =-192/88, 15-30)=-122/71, 17-28 '=-127/74, 19-26 ;=-131/76, 21-24	127/74, 5-42=-126/74, 113/93, 13-33=-200/36, =-129/76, =-127/75, =-126/74,
REACTIONS		13-33, 14-31 -0, 22=37-11-0, 1-0, 25=37-11-0, 1-0, 27=37-11-0, 1-0, 39=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,),),),),),),),),),),	48=113 (LC 2 (lb) - Maximum Compres Tension 1-2=0/20, 2-3=-271/232, 4-5=-204/191, 5-6=-185/ 7-8=-157/175, 8-10=-143 10-11=-150/264, 11-12= 12-13=-164/276, 13-14= 14-16=-119/195, 16-17= 17-18=-58/57, 18-19=-68 20-21=-131/77, 21-22=-	sion/Maximum 3-4=-232/209, 173, 6-7=-171/168, //231, -164/276, -150/248, -67/104, /42, 19-20=-84/58, 75/90, 22-23=0/20 -6/162, -6/162, -6/163, -6/163, -6/163, -5/162, -5/162, -5/162, -5/162,	t 2) \ 2 2 2 2 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5	this design. Wind: ASC Vasd=103m Cat. II; Exp zone and C 2-11-8 to 1- Exterior(2N 38-7-1 zono vertical left forces & M DOL=1.60	E 7-16 B; Enc. -C Cord 4-11-8, I) 22-11 e; cantig WFRS plate g	; Vult=130mph (; CDL=6.0psf; BCI closed; MWFRS mer(3E) -0-8-1 tr , Corner(3R) 14- 1-8 to 34-9-9, Cc for reactions sho rip DOL=1.60 OFF ESS SEA 0363	A-second gust) DL=6.0psf, h=25ft; (envelope) exterior 0 2-11-8, Exterior(2N) 11-8 to 22-11-8, rmer(3E) 34-9-9 to ht exposed ; end for members and own; Lumber

Continued on page 2 WARNING - Verify of

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



February 15,2024

Page: 1

Job	Truss Truss Type		Qty	Ply	DRB - 192 FaNC	
24020062	A06	Common Supported Gable	2	1	Job Reference (optional)	163648030

- 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.
- 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 28, 50 lb uplift at joint 26, 50 lb uplift at joint 24, 76 lb uplift at joint 24, 118 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 08:32:42 ID:m3SKEq9uIPtUOdLRqf?zWOzyIQJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

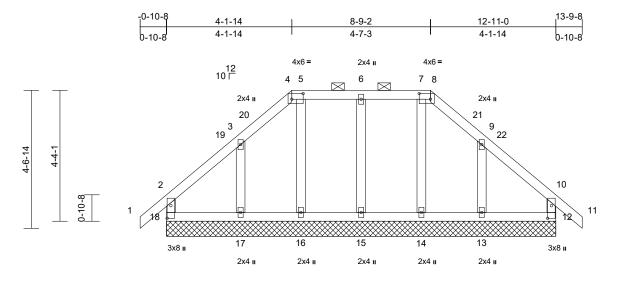
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	B01	Hip Supported Gable	1	1	Job Reference (optional)	163648031

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:43 ID:DUaG37pZrOU3DCUYzj7pLszyl0x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



			L		12-11-0							
Scale = 1:38.2												
Plate Offsets (X, Y): [4:0-4-8,0-2-4]	[8:0-4-8,0-2-4],	[12:0-5-0,0-1-8], [18:	0-5-0,0-1-8]								
	(nsf)	Spacing	1-11-4	CSI	DEEL	in	(loc)	l/defl	l /d	PI ATES	GRIP	

					-									
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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.04	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	IRC2018/TP	2014	Matrix-MR		, ,							
BCDL	10.0											Weight: 71 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.3		Ý Va: Ca zor	sd=103mp t. II; Exp B ne and C-0	7-16; Vult=130mp bh; TCDL=6.0psf; I 3; Enclosed; MWFI C Corner(3E) -0-10	BCDL=6 RS (env)-8 to 2-	0.0psf; h=25ft; elope) exterior 1-8, Corner(3l	r	Inte R80 16) Gra	ernationa)2.10.2 a iphical p	I Resid and ref urlin re	erenced standar presentation doe	ions R502.11.1 and d ANSI/TPI 1. es not depict the size	
OTHERS	2x4 SP No.3				-8, Corner(3E) 10-							of the purlin along	g the top and/or	
BRACING				cantilever left and right exposed ; end vertical left and bottom chord. right exposed;C-C for members and forces & MWFRS										
TOP CHORD	6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0		d for DC	reactions L=1.60	shown; Lumber D	OL=1.60) plate grip		LOAD	LOAD CASE(S) Standard				
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	Óonl	y. For stu	ds exposed to win	d (norm	al to the face)	,						
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. REACTIONS (size) 12=12-11-0, 13=12-11-0, 14=12-11-0, 15=12-11-0, 18=12-11-0 Max Horiz 18=-118 (LC 12) Max Uplift 12=-41 (LC 14), 13=-95 (LC 15), 15=-35 (LC 10), 17=-97 (LC 14), 18=-46 (LC 15) Max Grav 12=239 (LC 39), 13=261 (LC 49), 14=205 (LC 22), 15=-247 (LC 38), 16=205 (LC 21), 17=266 (LC 47), 18=239 (LC 39) FORCES (lb) - Maximum Compression/Maximum				 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 (coof 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. This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. Provide adequate drainage to prevent water ponding. All plates are 2x4 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. 								ROUT		
TOP CHORD	Tension 2-18=-218/168, 1-2= 3-4=-100/197, 4-5=- 6-7=-80/177, 7-8=-8		10) Tru bra 11) Ga 12) Thi	iss to be functed again ble studs s s truss ha	es continuous both ully sheathed from ist lateral moveme spaced at 2-0-0 oc s been designed fo ad nonconcurrent v	one fac nt (i.e. c c. or a 10.4	e or securely liagonal web). O psf bottom			4		O SEA	L	
BOT CHORD	17-18=-49/84, 16-17	7=-49/84, 15-16=-49/8 1=-49/84, 12-13=-49/8	^{34,} 13) * T	his truss h	as been designed n chord in all areas	for a liv	e load of 20.0					0363	22	
WEBS	6-15=-207/93, 5-16= 7-14=-169/12, 9-13=	=-169/20, 3-17=-211/ [,] =-208/150	44, 3-0	6-00 tall b	y 2-00-00 wide wil			m					a	
NOTES 1) Unbalance this design	ed roof live loads have n.	14) Pro bea 18,	 12) This truss has been designed for a live loads. 13) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 18, 41 lb uplift at joint 12, 35 lb uplift at joint 15, 97 lb uplift at joint 17 and 95 lb uplift at joint 13. 								LBERTING			

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

818 Soundside Road Edenton, NC 27932

February 15,2024

Job	Truss	Truss Type		Ply	DRB - 192 FaNC			
24020062	B02	Hip	1	1	Job Reference (optional)	163648032		

Scale = 1:50.2

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:44 ID:LoSSV0ajn2Y_u10rj9HpxMzyi?x-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

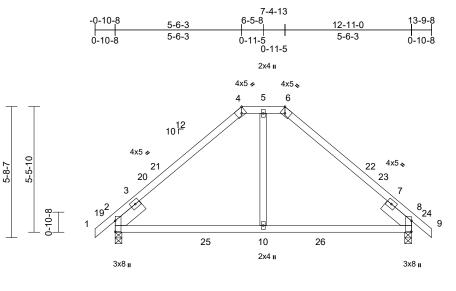




Plate Offsets (X, Y): [2:0-5-11,0-0-1], [4:0-2-4,Edge], [6:Edge,0-2-11], [8:0-5-11,0-0-1]

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	8/TPI2014	CSI TC BC WB Matrix-MSH	0.58 0.52 0.14	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.11 0.04	(loc) 10-17 10-17 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 62 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2 1-6-0 Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 2=0-3-8, 8 Max Horiz 2=126 (LC Max Uplift 2=-57 (LC Max Grav 2=789 (LC (lb) - Maximum Com Tension	5) d or 6) 7) 8)	 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. This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. Provide adequate drainage to prevent water ponding. 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 any other members, with BCDL = 10.0psf. One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to 								vveignt: 62 lb	F1 = 20%	
, this desigr	1-2=0/54, 2-4=-707/ 5-6=-456/186, 6-8=- 2-10=-178/488, 8-10 5-10=0/352 ed roof live loads have 1. CE 7-16; Vult=130mph	11	 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. 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. LOAD CASE(S) Standard 										

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Exterior(2R) 2-1-8 to 10-9-8, Exterior(2E) 10-9-8 to 13-9-8 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



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 **ANSUTPI1 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)



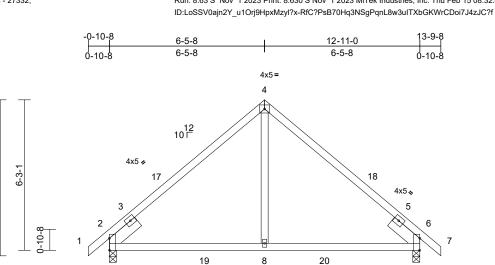
Job	Truss	Truss Type		Ply	DRB - 192 FaNC	
24020062	B03	Common	1	1	Job Reference (optional)	163648033

6-5-14

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:45

20

Page: 1



8

2x4 II

			3x8 ı	I			3х	:8 II	
				<u>6-5-8</u> 6-5-8		<u>12-11-0</u> 6-5-8			
Scale = 1:47.9 Plate Offsets (X, Y): [2:0-5-15,Edge], [6:0-5-15,Edge]				0-0-0		0-3-0			
Loading	(psf)	Spacing	2-0-0	csi	DEFL	in (loc)	l/defl	L/d	PLATES

.15 .15 ES	CSI TC BC WB Matrix-MSH	0.80 0.52 0.14	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.11 0.04	(loc) 8-15 8-15 2	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 64 lb	GRIP 244/190 FT = 20%
 design. 5) This truss he load of 12.0 overhangs n chord live loachord and ar 7) * This truss he chord and ar 8) One H2.5A S recommended UPLIFT at jtt and does no 	as been designed fo psf or 1.00 times fla on-concurrent with is been designed fo ad nonconcurrent w has been designed in n chord in all areas by 2-00-00 wide will hy other members, to simpson Strong-Tie ed to connect truss is s) 2 and 6. This con t consider lateral for	r greate t roof lo other liv r a 10.0 ith any for a liv where fit betw with BC connector cos.	er of min rood pad of 20.0 p (e loads.) psf bottom other live loa e load of 20.0 a rectangle veen the bott DL = 10.0psi ctors ng walls due n is for uplift	f live sf on ids. Opsf om f. to					
, International R802.10.2 a	Residential Code s	ections	R502.11.1 a	Ind				WITH CA	Bo
	 design. 5) This truss hat load of 12.0 overhangs n 6) This truss hat chord live load r 7) * This truss hat chord live load r 7) * This truss hat chord and ar 38) One H2.5A S recommended UPLIFT at jtt and does no 9) This truss is International R802.10.2 a 	.15 TC .15 BC YES WB RC2018/TPI2014 Matrix-MSH 4) Unbalanced snow loads have be design. 5) This truss has been designed fo load of 12.0 psf or 1.00 times fla overhangs non-concurrent with in 6) 6) This truss has been designed fo chord live load nonconcurrent with on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will chord and any other members, . 8) One H2.5A Simpson Strong-Tie recommended to connect truss in UPLIFT at jt(s) 2 and 6. This con and does not consider lateral for 9) 9) This truss is designed in accord: International Residential Code s	.15 TC 0.80 .15 BC 0.52 YES WB 0.14 RC2018/TPI2014 Matrix-MSH 4) Unbalanced snow loads have been cordesign. 5) This truss has been designed for greated load of 12.0 psf or 1.00 times flat roof lochord live load nonconcurrent with other live or redevinge non-concurrent with other live on the bottom chord in all areas where 3-06-00 tall by 2-00-00 wide will fit betwich ord and any other members, with BC 8) One H2.5A Simpson Strong-Tic connection and does not consider lateral forces. 9) This truss is designed in accordance with international Residential Code sections R802.10.2 and referenced standard AN	.15 TC 0.80 Vert(LL) .15 BC 0.52 Vert(CT) RC2018/TPI2014 Matrix-MSH Vert(CT) 4) Unbalanced snow loads have been considered for the design. 5) 5) This truss has been designed for greater of min roof load of 12.0 psf or 1.00 times flat roof load of 20.0 p overhangs non-concurrent with other live loads. 6) 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 7) r 7) * This truss has been designed for a live load of 20.0 p overhangs non-concurrent with other live loads. 6) This truss has been designed for a live load of 20.0 p overhangs non-concurrent with any other live loads. 6) This truss has been designed for a live load of 20.0 p on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bott chord and any other members, with BCDL = 10.0psf 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due UPLIFT at jt(s) 2 and 6. This connection is for uplift and does not consider lateral forces. 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 a R802.10.2 and referenced standard ANSI/TPI 1.	.15 TC 0.80 Vert(LL) -0.08 .15 BC 0.52 Vert(CT) -0.11 RC2018/TPI2014 Matrix-MSH Vert(CT) 0.04 4) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. r 7) * 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 BCL = 10.0psf. 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces. 9) 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.	.15 TC 0.80 Vert(LL) -0.08 8-15 .15 BC 0.52 Vert(CT) -0.11 8-15 RC2018/TPI2014 Matrix-MSH Vert(CT) -0.04 2 4) 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 ps for 1.00 times flat roof load of 20.0 ps fon overhangs non-concurrent with other live loads. 6) This truss has been designed for a 10.0 ps bottom chord live load nonconcurrent with any other live loads. r 7) * This truss has been designed for a 10.0 psf bottom chord and any other members, with BCDL = 10.0psf. 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces. 9) 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.	.15 TC 0.80 Vert(LL) -0.08 8-15 >999 .15 BC 0.52 Vert(CT) -0.11 8-15 >999 Yes WB 0.14 Vert(CT) -0.11 8-15 >999 Horz(CT) -0.04 2 n/a 4) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 6) This truss has been designed for a live load of 20.0 psf on 100 times flat roof load of 20.0 psf on 20.0 psf on 10.0 times flat roof load of 20.0 psf on 20.0 psf on 10.0 times flat roof load of 20.0 psf on 20.0 the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom 20.0 psf. 7 7) * This truss has been designed for a live load of 20.0 psf. 8) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces. 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.1.1.1 and	.15 TC 0.80 Vert(LL) -0.08 8-15 >999 240 .15 BC 0.52 Vert(CT) -0.11 8-15 >999 180 Yert(CT) -0.11 8-15 >999 180 RC2018/TPI2014 Matrix-MSH Horz(CT) 0.04 2 n/a n/a 4) Unbalanced snow loads have been considered for this design. output output -0.09 psf or 1.00 times flat roof load of 20.0 psf on 200 overhangs non-concurrent with other live loads. output overhangs non-concurrent with other live loads. 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. output <	15 TC 0.80 Vert(LL) -0.08 8-15 >999 240 MT20 15 BC 0.52 WB 0.11 8-15 >999 180 Horz(CT) -0.11 8-15 >999 180 Horz(CT) -0.04 2 n/a n/a Weight: 64 lb 4) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with other live loads. 7) * This truss has been designed for a 10.0 psf 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. 8) One H2.5A Simpson Strong-Tie connectors recommended to connect trus to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces. 9) 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.

2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Exterior(2R) 2-1-8 to 10-9-8, Exterior(2E) 10-9-8 to 13-9-8 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

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

annun an CHILLING WARNESS SEAL 036322 GI minim February 15,2024

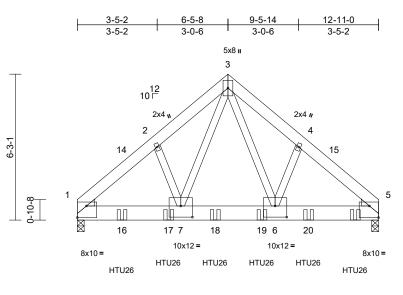
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 192 FaNC	
24020062	B04	Common Girder	1	2	Job Reference (optional)	163648034

Scale = 1:49.4

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:46 ID:PVRPMaN6EKsdpAQXa1TIcHzyl_v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



4-5-4	8-5-12	12-11-0
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, 1). [1.Edge,0-0-10	j, [o.∟uge,o-o-1o], [o.		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	Spacing 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	GRIP 244/190 FT = 20%			
	UMBER OP CHORD 2x6 SP No.2 OT CHORD 2x8 SP 2400F 2.0E /EBS 2x4 SP No.3 /EDGE Left: 2x4 SP No.3 Right: 2x4 SP No.3 RACING OP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. EACTIONS (size) 1=0-3-8, 5=0-3-8 Max Horiz 1=-122 (LC 10) Max Uplift 1=-290 (LC 12), 5=-471 (LC 13) Max Grav 1=5420 (LC 21), 5=6200 (LC 22)			this design. Wind: ASCE Vasd=103mm Cat. II; Exp E zone; cantile and right exp DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design.	AŠCE 7-16; Vult=130mph (3-second gust) =103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; ; Exp B; Enclosed; MWFRS (envelope) exterior cantilever left and right exposed ; end vertical left ght exposed; Lumber DOL=1.60 plate grip 1.60 : ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; 00; Ct=1.10 anced snow loads have been considered for this 1. russ has been designed for a 10.0 psf bottom						Concentrated Loads (lb) Vert: 13=-1485 (B), 16=-1587 (B), 17=-1587 (B), 18=-1485 (B), 19=-1485 (B), 20=-1485 (B)					
FORCES	Tension	•	8)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle												
	3-4=-6039/525, 4-5=	-6127/471		chord and ar	by 2-00-00 wide wil by other members.			om								
BOT CHORD	1-7=-316/4743, 6-7= 5-6=-321/4658	-196/3403,	9)		Simpson Strong-Tie ed to connect truss			to					11			
WEBS	3-6=-409/3909, 4-6= 2-7=-84/211	-92/209, 3-7=-247/40	003,		s) 1 and 5. This co t consider lateral fo		n is for uplift o	only				ORTH CA	RO			
 (0.131"x3" Top chord staggered Bottom ch staggered Web conn 2) All loads a except if n CASE(S) s provided tr 	to be connected togel) nails as follows: s connected as follows: at 0-9-0 oc. ords connected as follows: at 0-6-0 oc. ected as follows: 2x4 - ire considered equally oted as front (F) or bac section. Ply to ply conr o distribute only loads erwise indicated.	11) This truss is International R802.10.2 ai Use Simpsoi 11-10dx1 1/2 spaced at 2- end to 11-11 bottom chorc) Fill all nail ho AD CASE(S) Dead + Smc Increase=1 Uniform Loc	designed in accord Residential Code s nd referenced stan n Strong-Tie HTU2 2 Truss, Single Ply 0-0 oc max. starting 0 to connect truss i. oles where hanger i Standard w (balanced): Lun .15	lance w sections dard AN 6 (20-1) Girder) g at 1-1 (es) to l is in cor	R502.11.1 a ISI/TPI 1. Od Girder, or equivalent 1-0 from the I back face of ntact with lum	eft ber.		W. Children		SEA 0363	22				

February 15,2024

Page: 1

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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	C01	Common	3	1	Job Reference (optional)	163648035

TCDL

BCLL

BCDL

WEBS

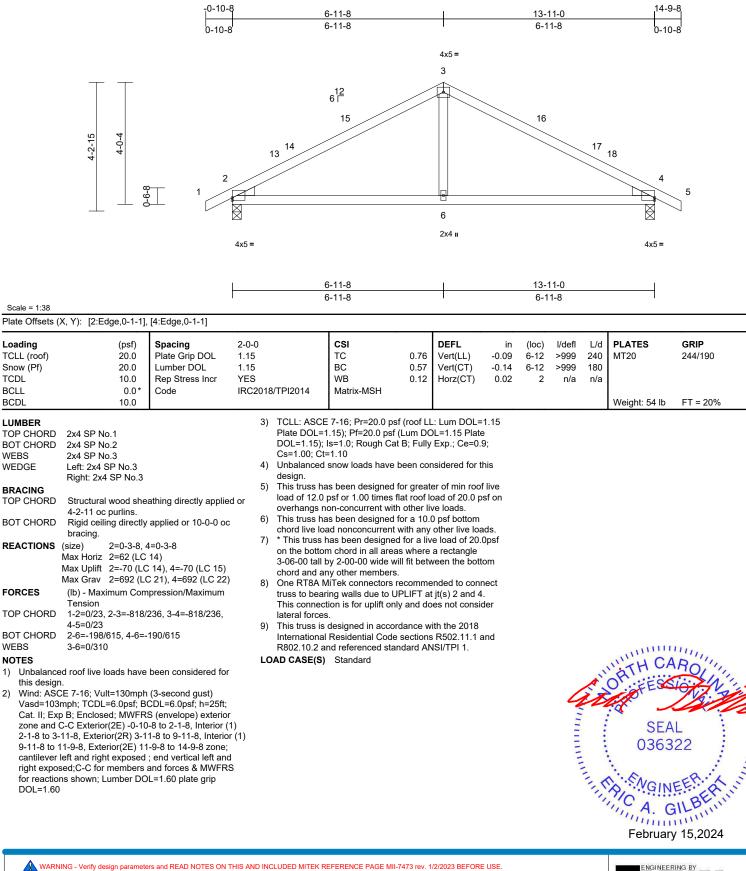
WEBS

NOTES

1)

2)

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.08:32:46 ID:IkWvDyB894PVWLXPFI0EMszrXCP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



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

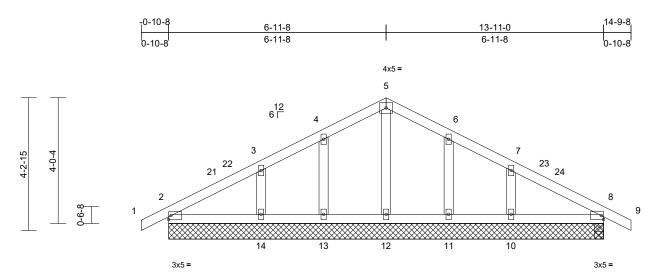
818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	C02	Common Supported Gable	1	1	Job Reference (optional)	163648036

Run: 8,63 E Dec 13 2023 Print: 8,630 E Dec 13 2023 MiTek Industries, Inc. Thu Feb 15 08:40:23 ID:7ttAU0FvkwAfEG_YbZ7ec7zrXCJ-ch_tXJmyDtngUZxyztRbwmmtpO_lqvrGZtTZkszkxsc

Page: 1



13-11-0

Scale	=	1.36	a

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-11-4 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-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	GRIP 244/190 FT = 20%
	 2x4 SP No.2 2x4 SP No.3 Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly bracing. All bearings 13-11-0. Max Horiz 2=60 (LC Max Uplift All uplift 10 2, 8, 10, 1 Max Grav All reaction (s) 2, 8, 11 10=292 (L 	14), 15=60 (LC 14) 00 (Ib) or less at joint(1, 13, 14, 15, 18 ns 250 (Ib) or less at j 1, 12, 13, 15, 18 exce C 22), 14=292 (LC 21 ax. Ten All forces 25	 Plate DOL= DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n All plates ards Gable studs This truss ha chord live lo * This truss la chord alive lo * This truss la chord and an * This truss la * On the bottoo * On the bottoo * Chord and an * This This truss la * Chord and an * This truss la 	E 7-16; Pr=20.0 psf [.15); Pf=20.0 psf (ls=1.0; Rough Cat =1.10 snow loads have b as been designed for psf or 1.00 times flaton- concurrent with e 2x4 MT20 unless spaced at 2-0-0 oc as been designed for ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide will by other members. Tek connectors rec ing walls due to UF	Lum DC B; Fully eeen cor or greate at roof le other lin otherwi : or a 10.0 vith any for a liv s where I fit betv	DL=1.15 Plate Exp.; Ce=0.9 nsidered for the er of min roof pad of 20.0 ps ve loads. se indicated. D psf bottom other live loae e load of 20.0 a rectangle veen the bottod ded to conne); live sf on ds. Dpsf om ct					

NOTES

- Unbalanced roof live loads have been considered for 1) 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 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

- truss to bearing walls due to UPLIFT at jt(s) 2, 8, 13, 14, 11, and 10. 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

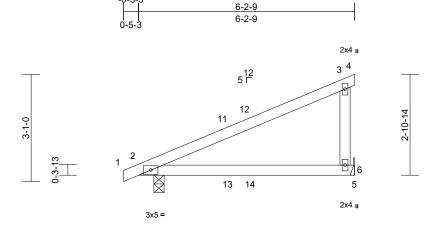


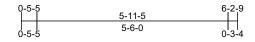
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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	D01	Monopitch	3	1	Job Reference (optional)	163648037

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:47 ID:P3Zh9PwT6xb1p1Wx6SbYPyzyknI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:33.2

-		1				i					i	
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	0.70	Vert(LL)	0.12	6-10	>602	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.09	6-10	>775	180		
TCDL BCLL	10.0 0.0*	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-MP	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRG2010/1F12014	Maultx-IVIP							Weight: 23 lb	FT = 20%
		1			-						Troigita 2018	
LUMBER				s has been designed								
TOP CHORD	2x4 SP No.2			e load nonconcurrent ss has been designe								
BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.3			ttom chord in all area			opsi					
BRACING	274 01 100.0			all by 2-00-00 wide w			tom					
TOP CHORD	Structural wood she	athing directly applie		d any other members								
	6-0-0 oc purlins, ex	cept end verticals.	7) Refer to	girder(s) for truss to t			**					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o		nechanical connection late capable of withs								
REACTIONS	bracing.	6- Machanical	6.		anding c	o io apine ae	Joint					
REACTIONS	(size) 2=0-3-8, Max Horiz 2=103 (L	6= Mechanical		A Simpson Strong-T								
	Max Uplift 2=-74 (LC			nded to connect trus at it(s) 2. This connect								
	Max Grav 2=384 (L	C 21), 6=326 (LC 21		consider lateral force		r upilit offiy a	nu					
FORCES	(lb) - Maximum Con	npression/Maximum		s is designed in acco		ith the 2018						
TOP CHORD		77 2 4- 10/0		nal Residential Code			and					
TOP CHORD	1-2=0/10, 2-3=-110/ 3-6=-247/132	77, 3-4=-10/0,		2 and referenced sta (S) Standard	andard AN	NSI/TPI 1.						
BOT CHORD	2-6=-91/115, 5-6=0/	0	LUAD CASE	(S) Standard								
NOTES												
	CE 7-16; Vult=130mph											
	mph; TCDL=6.0psf; B											
	p B; Enclosed; MWFR C-C Exterior(2E) 0-0-0										minin	Ultra .
	-7-12, Exterior(2E) 3-7		/								"TH CA	Roille
	left and right exposed		ıd							1	R	In the
	sed; porch left and rig								/	57	FEE	No. Sin
	and forces & MWFRS OL=1.60 plate grip DC		l,						4			All
	CE 7-16; Pr=20.0 psf (1.15						-		054	
	.=1.15); Pf=20.0 psf (L								=		SEA	
DOL=1.15 Cs=1.00; (5); Is=1.0; Rough Cat E	3; Fully Exp.; Ce=0.9	9;						=		0363	322 <u>:</u> E
	ed snow loads have be	een considered for th	his						-	1		1 5
design.										-		airi
	has been designed fo									15	S. GIN	EFICAS
	.0 psf or 1.00 times fla		st on							11	CA -	ILBE IN
overnangs	s non-concurrent with										A. C	

- 3) 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 4) overhangs non-concurrent with other live loads.

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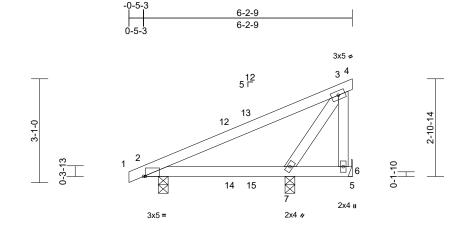
818 Soundside Road Edenton, NC 27932

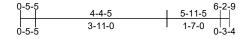
A. GI A. GIL February 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	D02	Monopitch	2	1	Job Reference (optional)	163648038

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:47 ID:W_FFX8hjEi8l6tl7jYybgbzuVhh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:34.3

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

	,, i). [2.0-0-11,Euge	J											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018	8/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		GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	applied or 10-0-0 oc 5= Mechanical, 7=0-3 C 13) C 10), 6=-140 (LC 14), C 21) C 21), 6=456 (LC 21),	or 6)	load of 12.0 overhangs n This truss h chord live loa * This truss h on the botton 3-06-00 tall k chord and ar Refer to gird Provide mec bearing plate joint 6. One H2.5A S recommender	as been designed f psf or 1.00 times fl on-concurrent with as been designed fl ad nonconcurrent v has been designed n chord in all area by 2-00-00 wide wi y other members. er(s) for truss to tru- hanical connection e capable of withst Simpson Strong-Ti ed to connect truss	lat roof I o other Ii or a 10. with any I for a Iiv s where II fit betw uss com a (by oth anding e conne s to bear	oad of 20.0 p: ve loads. 0 psf bottom other live loa re load of 20.0 a rectangle ween the botto nections. uers) of truss t 140 lb uplift at ctors ing walls due	sf on Ids. Dpsf om to to					
FORCES	(lb) - Maximum Com	,			(s) 2 and 7. This co t consider lateral fo		n is for uplift (only					
TOP CHORD	Tension 1-2=0/10, 2-3=-360/ 3-6=-473/333	222, 3-4=-10/0,	10)	International	designed in accore Residential Code nd referenced star	section	s R502.11.1 a	ind					
BOT CHORD WEBS	2-7=-161/225, 6-7=- 3-7=-371/403	32/47, 5-6=0/0	LO	AD CASE(S)		aara / a							
	3-737 1/403												111111
 Wind: ASC Vasd=103 Cat. II; Ex zone and 3-0-0 to 3. cantilever right expo forces & M DOL=1.6C TCLL: AS Plate DOL 	CE 7-16; Vult=130mph Paph; 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 exposed WFRS for reactions s plate grip DOL=1.60 CE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E Ct=1.10	CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-0, Interior (1) -12 to 6-7-12 zone; ; end vertical left and d;C-C for members an hown; Lumber roof LL: Lum DOL=1.1 um DOL=1.15 Plate								4		OR FESE SEA 0363	• -
,	ed snow loads have be	en considered for this									1	A. C	illouin

A. GILBER February 15,2024

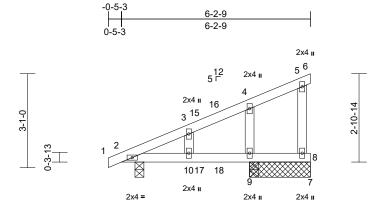


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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	D03	Monopitch Structural Gable	1	1	Job Reference (optional)	163648039

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:48 ID:IJIeQDoM7THUhFxslwciXUzuVhY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:37.9

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code		CSI TC BC WB Matrix-MP				(loc) 10 10 8	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 27 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	/ applied or 10-0-0 oc 8=2-0-0, 9=0-3-8 C 13) C 10), 8=-2 (LC 15), 9 C 21), 8=58 (LC 21),	DOL=1.15); Cs=1.00; Ct 4) Unbalanced design. 5) This truss hi load of 12.0 overhangs r 6) Gable studs 7) This truss hi chord live lo 8) * This truss on the botto 3-06-00 tall chord and a	1.15); Pf=20.0 psf Is=1.0; Rough Ca =1.10 snow loads have as been designed psf or 1.00 times I spaced at 2-0-0 o as been designed ad nonconcurrent has been designed m chord in all area by 2-00-00 wide w ny other members Simpson Strong-T	t B; Fully been cor for great fat roof k n other liv c. for a 10.1 with any d for a liv d for a liv s where ill fit betv	Exp.; Ce=0.4 er of min rool bad of 20.0 p ve loads. D psf bottom other live loa e load of 20. a rectangle veen the bott	9; his f live sf on ads. 0psf					
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Con Tension 1-2=0/10, 2-3=-74/8 4-5=-54/44, 5-6=-10 2-10=-91/115, 9-10: 7-8=0/0 4-9=-267/208, 3-10:	0/0, 5-8=-65/15 =-32/47, 8-9=-32/47,	recommend UPLIFT at jt only and do 10) This truss is Internationa R802.10.2 a	ed to connect truss (s) 8, 2, and 9. Thi es not consider lat designed in accor I Residential Code nd referenced stat	s to bear is connec eral force dance w sections	ing walls due ction is for up es. ith the 2018 s R502.11.1 a	lift					1111.
NOTES 1) Wind: ASC Vasd=103/ Cat. II; Exy zone and (3-0-0 to 3- cantilever right expos forces & M DOL=1.60 2) Truss des only. For a see Standa	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B p B; Enclosed; MWFR C-C Exterior(2E) 0-0-0 7-12, Exterior(2E) 3-7 left and right exposed sed; porch left exposed wFRS for reactions s plate grip DOL=1.60 signed for wind loads i studs exposed to wind ard Industry Gable Em gualified building desi	n (3-second gust) CDL=6.0psf; h=25ft; IS (envelope) exterior 0 to 3-0-0, Interior (1) -12 to 6-7-12 zone; ; end vertical left and d;C-C for members a shown; Lumber n the plane of the trus d (normal to the face), ad Details as applicab	l Ind ss ,	Standard						The second secon	SEA 0363	• •

Truss designed for wind loads in the plane of the truss 2) only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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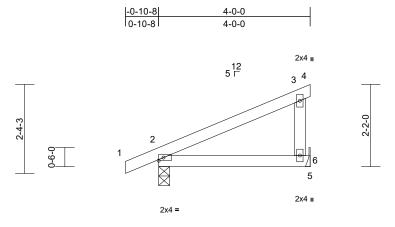
818 Soundside Road Edenton, NC 27932

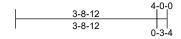
GI 11111111 February 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	D04	Monopitch	3	1	Job Reference (optional)	163648040

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:48 ID:j1fu1gEqRRKZOnLu?r26Kxzyklb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:30.4

Locating (ps) Specing 2-0-0 CSI 0.23 Difference Difference <thdifference< th=""> <thdifference< th=""></thdifference<></thdifference<>													
Snow (rp.) 20.0 Lumber DOL 1.15 BC 0.18 Veri(CT) 0.00 2 n/a n/a BCL 0.0* Code IRC2018/TPI2014 WB 0.00 Horz(CT) 0.00 2 n/a n/a BCD 0.0* Code IRC2018/TPI2014 WB 0.00 Horz(CT) 0.00 2 n/a n/a LUMBER 0.0* Code IRC2018/TPI2014 Wa divix-MP Weight: 16 lb FT = 20% LUMBER 10.0 Zx4 SP No.2 Structural wood sheathing directly applied or 10-00 oc n the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fib toetween the bottom chord and any other members. 7 Refer to girder(fs) for truss to truss connections. 9 0 <t< td=""><td>Loading</td><td>(psf)</td><td>Spacing</td><td>2-0-0</td><td>csi</td><td></td><td>DEFL</td><td>in</td><td>(loc)</td><td>l/defl</td><td>L/d</td><td>PLATES</td><td>GRIP</td></t<>	Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 BCLL 0.0* Code Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 2 n/a Matix-MP BCDL 10.0 Code IRC2018/TPI2014 Matrix-MP Matrix-MP Weight: 16 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 on the bottom chord in all areas where a rectangle 30-60-00 wide will fit between the bottom chord and any other members. 7) Ref to trus so truss connections. 8) 7) Ref to trus so truss connections. 8) 70 Ref to trus so truss connectors. 9) 70 Ref to trus so truss connectors. 9) 70 Ref to trus so truss to bearing walls due to UPLIFT at j(ts): 2. This connectors 10 Ref to trus so truss to bearing walls due to UPLIFT at j(ts): 2. This connectors. 10 This truss is designed in accordance with the 2018 10 AD CASE(S) 11 AD R802.10.2 AD AD CASE(S) 10 AD CASE(S)	. ,	20.0	Plate Grip DOL	1.15		0.28	· · ·	-0.01	6-9		240	MT20	244/190
BCLL 0.0* Code IRC2018/TPI2014 Matrix-MP BCDL 10.0 0* Weight: 16 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 60 * This truss has been designed for a live load of 20.0pf DOT CHORD 2x4 SP No.2 60 * This truss has been designed for a live load of 20.0pf BOT CHORD 2x4 SP No.3	. ,		-										
BCDL 10.0 Weight: 16 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 6) * 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. BRACING TOP CHORD S0T CHORD S0T CHORD FOR CHORD S0T CHORD FOR CHORD S0T CHORD FOR CHORD S0T CHORD Max Horiz 2=75 (LC 13) Max Horiz 2=75 (LC 13) Max Kinzi 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 13) Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 13) Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 13) Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-33 (LC 14), Max Grav 2=75 (LC 14), 6=-31 (LC 21) 0 The L5 A Simpson Strong-Tie connectors rememded to connect truss to bearing walls due to UPLIFT at it(s) 2. This connectors for uplift only and does not consider lateral forces. FORCES (b) - Maximum Compression/Maximum Tension (b) - Maximum Compression/Maximum Tension 0 This truss is designed in accordance with the 2018 International Residential Code sections R502,11.1 and R502:10.2 and referenced standard ANSUTPI 1. DOAD CASE(S) Standard Standard Nortes 1) Wind: ASCE 7-16; Vuilt=130mph (3-second gust) vasa4-103mph; TOL=6.0pst; BCL=6.0pst; h=2.0pst; h=			1 '			0.00	Horz(CT)	0.00	2	n/a	n/a		
 LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 BRACING TOP CHORD 5tratural 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, 6= Mechanical Max Horiz 2=75 (LC 13) Max Uplit 2=-33 (LC 14), 6=-33 (LC 14) Max Grav 2=280 (LC 21), 6=231 (LC 21) Max Uplit 2=-33 (LC 14), 6=-33 (LC 14) Max Grav 2=280 (LC 21), 6=231 (LC 21) TOP CHORD 1:2=0-31, 2-3=-103/89, 3-4=-10/0, 3-6=-173/78 BOT CHORD 2:4.5 F-16; Vult=130mph (3-second gust) vasd=103mph; TOL-16 of poft; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical if and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.16) FH20.0 psf (worl LL: Lum DOL=1.15 Plate DOL			Code	IRC2018/TPI2014	Matrix-MP								==
 TOP CHORD 2x4 SP No.2 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. FRACING TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz 2=75 (LC 13) Max Grav 2=228 (LC 21), 6=33 (LC 14) Max Grav 2=228 (LC 21), 6=33 (LC 21) Max Grav 2=228 (LC 21), 6=33 (LC 21) Max Grav 2=228 (LC 21), 6=231 (LC 21) This trues is designed in accordance with the 2018 International Residential Code sections R602.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. LOAD CASE(S) Standard 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vaad=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25f; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and forces & MWFRS for reactions shown; Lumber DDL=1.16); PT=20.0 psf (mort LL: Lum DDL=1.15); PT=20.0 psf	BCDL	10.0										Weight: 16 lb	F1 = 20%
BOT CHORD 2x4 SP No.2 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. BRACING Structural wood sheathing directly applied or 04-00 oc purlins, except end verticals. 70 PCHORD BOT CHORD Structural wood sheathing directly applied or 04-00 oc purlins, except end verticals. 80 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 bu plift at joint 6. BOT CHORD Structural wood sheathing directly applied or 10-0 oc bracing. 90 One H2.5A Simpson Strong-Tie connectors REACTIONS (size) 2-0-3-8, 6- Mechanical Max Horiz 2-75 (LC 13) Max Horiz 2-75 (LC 13) 6		2x4 SP No 2						0psf					
WEBS 2x4 SP NJ.3 Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural itel isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied or 10-0-0 c bracing. Structural itel isod sheathing directly applied or 10-0-0 c bracing. Structural isod sheathing directly applied carbon							0	om					
 BOXING 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, 6= Mechanical Max Horiz 2=75 (LC 13) (Max Horiz 2=75 (LC 14), 6=-33 (LC 14), 6=-33 (LC 14), 6=-33 (LC 12), 6=-33 (LC 12), 6=-231 (LC 21), 7=-201 (LC 21), 7=-201 (LC 21), 7=-201 (LC 21), 6=-201 (LC 21), 7=-201 (LC				chord an	d any other members	3.							
 bearing plate capable of withstanding 33 ib uplift at joint 6. bearing plate capable of withstanding 33 ib uplift at joint 6. 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 null and does not consider lateral forces. 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 null and does not consider lateral forces. There is in the set of the set	BRACING												
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz 2=75 (LC 13) Max Uplit 2=-33 (LC 14), 6=-33 (LC 14) Max Grav 2=278 (LC 21), 6=231 (LC 21) Max Grav 2=298 (LC 21), 6=231 (LC 21) Max mum Compression/Maximum Tension FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/31, 2-3=-103/89, 3-4=-10/0, 3-6=-173/78 BOT CHORD 2-6=-53/90, 5-6=0/0 NOTES 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; core & MWFRS for reactions shown; Lumber DOL=1.160 plate grip DOL=1.60 2) TCLL: ASCE 7-16; VP=20.0 psf (roof LL: Lum DOL=1.15 Plate 6. One H2.5A Simpson Strong-Tie connectors truss to bearing walls due to UPLIFT at jt(b)?. This connection is for uplift only and does not consider lateral forces. 9) One H2.5A Simpson Strong-Tie connectors truss to bearing walls due to UPLIFT at jt(b)?. 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/TP1 1. LOAD CASE(S) Standard 2) TCLL: ASCE 7-16; VUIT=130mph (3-second gust) UPLIFT at jt(b)? 2) TCLL: ASCE 7-16; PT=20.0 psf (roof LL: Lum DOL=1.15) 2) TCLL: ASCE 7-16; PT=20.0 psf (roof LL: Lum DOL=1.15) 													
 bracing. construction is for uplif only and does not consider truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider tateral forces. 10) Max Uplift 2=-33 (LC 14), 6=-33 (LC 21) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/31, 2-3=-103/89, 3-4=-10/0, 3-6=-173/78 BOT CHORD 2-6=-53/90, 5-6=0/0 NOTES 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (toof LL: Lum DOL=1.15 Plate 4) Wind: ASCE 7-16; Pr=20.0 psf (coof LL: Lum DOL=1.15 Plate 5) One H2.5A Standard 6) One H2.5A Standard 6) One H2.5A Standard 6) Dre H2.5A Standard 6) Dre H2.5A Standard 6) Dre H2.5A Standard 6) Dre H2.5A Standard 7) Dre H2.0 Dsf (toof LL: Lum DOL=1.15 Plate 													
 HEACTIONS (size) 2=0-3-8, b= Mechanical Max Horiz 2=75 (LC 13) Max Horiz 2=75 (LC 13) Max Grav 2=298 (LC 21), 6=331 (LC 21) FORCES (lb) - Maximum Compression/Maximum Tension - 1-2=0/31, 2-3=-103/89, 3-4=-10/0, 3-6=-173/78 BOT CHORD 2-6=-53/90, 5-6=0/0 NOTES 1) 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) zone; catilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (nord LL: Lum DOL=1.15 Plate DOL=1.15; Pf=20.0 psf (Lum DOL=1.15 Plate 				9) One H2.				4.					
 Max Horiz 2=75 (LC 13) Max Uplit 2=-33 (LC 14), 6=-33 (LC 14) Max Grav 2=298 (LC 21), 6=231 (LC 21) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/31, 2-3=-103/89, 3-4=-10/0, 3-6=-173/78 BOT CHORD 2-6=-53/90, 5-6=0/0 NOTES 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25f; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plafe grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (Lum DOL=1.15 Plate DOL=1.15; Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15; Pf=20.0 psf (Lum DOL=1.15 	REACTIONS (size) 2=0-3-8, (6= Mechanical										
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BOT CHORD 2-6=-53/90, 5-6=0/0 NOTES 1) 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) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) 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	TOP CHORD	1-2=0/31, 2-3=-103/	89, 3-4=-10/0,	LOAD CASE	(S) Standard								
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 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (Low DOL=1.15 Plate 		E 7-16: Vult=130mph	(3-second aust)										
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Lumber DOL=1.60 plate grip DOL=1.60 2) 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												"ATH UT	O MA
2) 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				,							X	OVEES	id A'
Plate DOL=1,15): Pf=20.0 psf (Lum DOL=1,15 Plate				1 15						1	23	intra	Visin
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom										2			
 Cs=1.00; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom 										-	1	0.54	
 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom 			, , , ,	,						=		SEA	L : E
 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. 5) This truss has been designed for a 10.0 psf bottom 	3) Unbalanced	l snow loads have be	een considered for th	nis						=	:	0363	22 : =
 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. 5) This truss has been designed for a 10.0 psf bottom 										-			- 1 2
overhangs non-concurrent with other live loads. 5) This truss has been designed for a 10.0 psf bottom											-		1 3
5) This truss has been designed for a 10.0 psf bottom				ST ON							10	N. ENG.	-FRIA S
											1	P. GIN	F.F. CR N
chord live load nonconcurrent with any other live loads.				ds							1	CA C	BEIN
chord live load honconcurrent with any other live loads.	0.1010 100 10											11111	in in its
February 15 2024													

February 15,2024

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

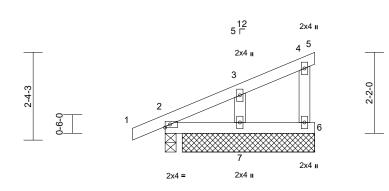
Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	D05	Monopitch Supported Gable	1	1	Job Reference (optional)	163648041

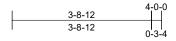
-0-10-8 0-10-8

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 08:32:49 ID:3?Sn4OlzGzysUYErnOeH1_zykIW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1







<u>4-0-0</u> 4-0-0

Scale = 1:30.8

2-0-0 to 4-0-0 zone; cantilever left and right exposed ;

forces & MWFRS for reactions shown; Lumber

DOL=1.60 plate grip DOL=1.60

2)

end vertical left and right exposed;C-C for members and

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.

Loading	(psf)	Spacing	1-11-4		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.08	Vert(LL)	0.00	7-10	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.03	Vert(CT)	0.00	7-10	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MP								
BCDL	10.0											Weight: 17 lb	FT = 20%
LUMBER			3	TCLL: ASCE	7-16; Pr=20.0 ps	f (roof LL	.: Lum DOL=	1.15					
TOP CHORD	2x4 SP No.2				.15); Pf=20.0 psf								
BOT CHORD	2x4 SP No.2			DOL=1.15);	ls=1.0; Rough Ca	t B; Fully	Exp.; Ce=0.9	9;					
WEBS	2x4 SP No.3			Cs=1.00; Ct=	=1.10								
OTHERS	2x4 SP No.3		4	Unbalanced	snow loads have	been cor	nsidered for t	his					
BRACING				design.									
TOP CHORD	Structural wood she	athing directly applie	d or 5		is been designed								
	4-0-0 oc purlins, ex				psf or 1.00 times			sf on					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc			on-concurrent wit		/e loads.						
	bracing.		6		spaced at 2-0-0 o								
REACTIONS	(size) 2=0-3-8, \$	5=3-6-8, 6=3-6-8, 7=	3-6-8 (is been designed ad nonconcurrent			do					
	Max Horiz 2=72 (LC	13)	0		as been designe								
	Max Uplift 2=-20 (LC	C 10), 5=-22 (LC 21),	0		n chord in all area			ры					
	6=-24 (LC	C 14), 7=-41 (LC 14)			y 2-00-00 wide w			om					
	Max Grav 2=186 (L0		=124		y other members		veen the bott	om					
	(LC 21), 7	7=220 (LC 21)	9		hanical connectio		ers) of truss t	to					
FORCES	(lb) - Maximum Corr	pression/Maximum	-		capable of withs								
	Tension			5.	·	0							
TOP CHORD	1-2=0/30, 2-3=-100/		1) One H2.5A S	Simpson Strong-T	ie conne	ctors						
	4-5=-18/7, 4-6=-112			recommende	ed to connect trus	s to bear	ing walls due	to					
BOT CHORD	2-7=-36/66, 6-7=-22	/39		UPLIFT at jt(s) 6, 2, and 7. Th	is conneo	tion is for up	lift					
WEBS	3-7=-174/172			only and doe	s not consider lat	eral force	es.						1775
NOTES			1		designed in acco							1111100	1111
1) Wind: ASC	E 7-16; Vult=130mph	(3-second gust)			Residential Code			ind				TH CA	Rain
	mph; TCDL=6.0psf; B			R802.10.2 a	nd referenced sta	ndard AN	ISI/TPI 1.				×	A Stan	SIN'S
	B; Enclosed; MWFR			OAD CASE(S)	Standard					/	53	U.SEF S	Or Jak
zone and (C-C Corner(3E) -0-10-	8 to 2-0-0, Exterior(2	:N)							6	1		MAL

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)

A MITOK Affiliate

818 Soundside Road Edenton, NC 27932

February 15,2024

SEAL 036322

. and a company

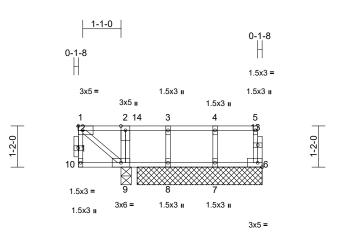
The manual start

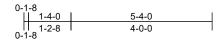
Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F01	Floor	1	1	Job Reference (optional)	163648042

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:49 ID:t19rr6aW27LPM5q9VNmj7_zuVgY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:32.7

00010 1.02.												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.69	Vert(LL)	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	IRC2018/TPI2014	Matrix-MSH							Weight: 28 lb	FT = 20%F, 11%E
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE REACTIONS	 2x4 SP 2400F 2.0E(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 (size) 6=3-6-8, 7 Max Uplift 6=-25 (LC Max Grav 6=23 (LC 	(flat) eathing directly applicept end verticals. v applied or 6-0-0 oc 9-10. 7=3-6-8, 8=3-6-8, 9= 2 3), 8=-540 (LC 3) 4), 7=251 (LC 5), 8	Internatio R802.10.1 8) Recomme 10-00-00 (0.131" X at their ou 9) CAUTION LOAD CASE 1) Dead + Plate Inc =0-3-8 Uniform Vert: (=-55 Concent	is designed in acc nal Residential Cod 2 and referenced st and 2x6 strongback oc and fastened to 3") nails. Strongba ter ends or restrain I, Do not erect truss (S) Standard Floor Live (balanced crease=1.00 Loads (lb/ft) 5-10=-7, 1-5=-67 rated Loads (lb) 1 = 200	le sections andard Al s, on edge each truss acks to be acks to be aed by oth s backwar	s R502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d attached to w er means. ds.	valls					
505050		=887 (LC 1)		1=-300								
FORCES	(lb) - Maximum Corr Tension	pression/Maximum										
TOP CHORE		23/16, 1-2=-1/1, 2-3=	1/1,									
BOT CHORE WEBS	D 9-10=0/0, 8-9=-1/1, 2-9=-485/0, 1-9=-1/2 4-7=-177/0	,										
NOTES												17.5
,	ced floor live loads have	e been considered fo	or								11111 01	in the
this desig	5									a s	N'STH UP	ROM
/ /	s are 1.5x3 MT20 unless be fully sheathed from o									A	ONFER	in Alle
	igainst lateral movemen									2 7	1 DELL	No. Sin
	uds spaced at 1-4-0 oc.		•						-			All.
	5A Simpson Strong-Tie								-		054	
	ended to connect truss t								=		SEA	
	at jt(s) 6. This connectio		nd						=		0363	22 : =
	consider lateral forces.								-			- 1 2
	BA MiTek connectors rec bearing walls due to UP		lect							-	SEA 0363	- A - E
	on is for uplift only and o		teral							11	N.SNOIN	EER X S
forces.	apint only and t									1	A	F. ER N
										1	Eebruar	ILBUIN
											111111	111111
											Februar	15 2024

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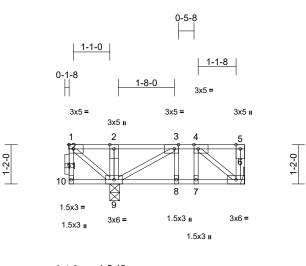
818 Soundside Road Edenton, NC 27932

February 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F02	Floor	1	1	Job Reference (optional)	163648043

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.08:32:49 ID:?L11H?LfzoPJ2wjSFpvjjUzuVfY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Uniform Loads (lb/ft) Vert: 6-10=-7, 1-5=-67 Concentrated Loads (lb) Vert: 1=-300

Scale = 1:34.2

Loading

TCLL

TCDL

BCLL

BCDL

Plate Offsets (X, Y): [3:0-1-8,Edge], [4:0-1-8,Edge] 1-4-0 PLATES GRIP Spacing CSI DEFL in l/defl L/d (psf) (loc) 40.0 Plate Grip DOL 1.00 тс 0.26 Vert(LL) 0.01 8-9 >999 360 MT20 244/190 10.0 Lumber DOL 1.00 BC 0.14 Vert(CT) 0.01 8-9 >999 240 0.0 Rep Stress Incr NO WB 0.13 Horz(CT) 0.00 6 n/a n/a Weight: 33 lb 5.0 Code IRC2018/TPI2014 Matrix-MSH FT = 20%F, 11%E 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

LUMBER TOP CHORD	()
BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-4-0 oc purlins, except end verticals.
BOT CHORD	· ····································
	bracing, Except:
	10-0-0 oc bracing: 9-10.
REACTIONS	(size) 6= Mechanical, 9=0-3-8
REACTIONS	(size) 6= Mechanical, 9=0-3-8 Max Uplift 6=-80 (LC 3)
REACTIONS	
FORCES	Max Uplift 6=-80 (LC 3)
	Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) (lb) - Maximum Compression/Maximum Tension
FORCES	Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) (lb) - Maximum Compression/Maximum Tension
FORCES	Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-10=0/4, 5-6=-53/0, 1-2=0/415, 2-3=0/415, 3-4=-80/149, 4-5=0/0
FORCES TOP CHORD	Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-10=0/4, 5-6=-53/0, 1-2=0/415, 2-3=0/415, 3-4=-80/149, 4-5=0/0
FORCES TOP CHORD	Max Uplift 6=-80 (LC 3) Max Grav 6=105 (LC 4), 9=648 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-10=0/4, 5-6=-53/0, 1-2=0/415, 2-3=0/415, 3-4=-80/149, 4-5=0/0 9-10=0/0, 8-9=-149/80, 7-8=-149/80,

NOTES

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

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

- 4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.

LOAD CASE(S) Standard



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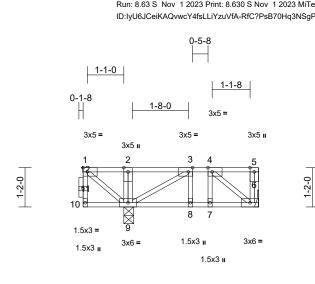


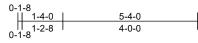
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F03	Floor	9	1	Job Reference (optional)	163648044

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:50 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]											
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 NO		CSI TC BC WB	0.26 0.14 0.13	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.01 0.01 0.00	(loc) 8-9 8-9 6	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2018	/TPI2014	Matrix-MSH							Weight: 33 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she	athing directly applie	1) ed or	Plate Increa Uniform Lo Vert: 6-1	ads (lb/ft) 0=-7, 1-5=-67 ed Loads (lb)): Lumber	r Increase=1.	00,					
BOT CHORD	5-4-0 oc purlins, ex Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 9 (size) 6= Mecha Max Uplift 6=-80 (LC	applied or 6-0-0 oc -10. inical, 9=0-3-8											
	Max Grav 6=105 (LO	C 4), 9=648 (LC 1)											
FORCES	(lb) - Maximum Corr Tension	pression/Maximum											
TOP CHORD	1-10=0/4, 5-6=-53/0		15,										
BOT CHORD	3-4=-80/149, 4-5=0/ 9-10=0/0, 8-9=-149/ 6-7=-149/80												
WEBS	1-9=-537/0, 4-7=-79 3-8=-10/87, 4-6=-10												
 this design 2) Refer to gin 3) Provide me bearing pla 6. 4) This truss in Internation R802.10.2 5) Recomment 10-00-00 of (0.131" X 3 at their out 	d floor live loads have reder(s) for truss to trus echanical connection i ate capable of withstar is designed in accorda al Residential Code s and referenced stand nd 2x6 strongbacks, o ic and fastened to eac ") nails. Strongbacks er ends or restrained Do not erect truss ba	been considered for sconnections. (by others) of truss to hding 80 lb uplift at jo ance with the 2018 ections R502.11.1 ar ard ANSI/TPI 1. n edge, spaced at th truss with 3-10d to be attached to wa by other means.	o bint nd							N. COLUMN		SEA 0363	22

February 15,2024

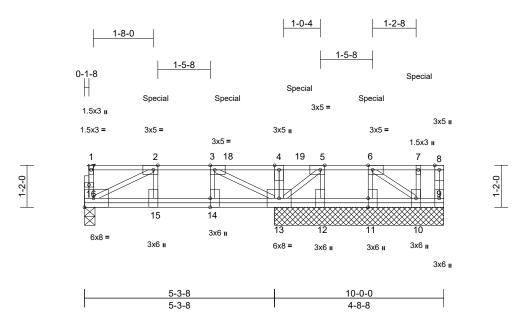
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F04	Floor	1	1	Job Reference (optional)	163648045

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:50 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,Edge	, [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 IRC201	8/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	GRIP 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) 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 13=301 (I (13=901 (I (13=901 (I (13=901 (I (13=901 (I (13=901 (1 13=37 (1))))) (13=-52/0, 8-9=-7/(3-4=-27/125, 4-5=-2 6-7=0/0, 7-8=0/0 15-16=-176/703, 14 13-14=-176/703, 12 10-11=-5/27, 9-10=(4-13=-344/75, 3-13= 2-16=-802/201, 2-15	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), 16=457 (LC 0), pression/Maximum 0, 1-2=0/0, 2-3=-703, 7/125, 5-6=-27/5, -15=-176/703, -13=-5/27, 11-12=-5/ 0/0	6) ed or 7) (11), 6) (176, L(1) (27,),	recommend UPLIFT at jt upliff only ar This truss is International R802.10.2 a Recommend 10-00-00 oc (0.131" X 3" at their oute CAUTION, I Hanger(s) o provided suf Ib down and 147 Ib up at 6-0-0 on top connection of the truss a DAD CASE(S) Dead + Floc Plate Incre Uniform Lo Vert: 9-1 Concentral	or Live (balanced) ase=1.00 ads (lb/ft) 6=-7, 1-8=-67 ed Loads (lb) 106 (F), 6=-102 (F	s to bear 13. This er latera dance w sections ndard AN on edge ach truss ks to be d by oth- backward device (s concentra 0, and 44 down ar n/selecti oponsibili (F) or ba	ing walls due s connection I forces. ith the 2018 s R502.11.1 a SI/TPI 1. s, spaced at s with 3-10d attached to v er means. ds.) shall be ated load(s) ² 4 lb down ar hd 77 lb up a' on of such ty of others. pplied to the ck (B). r Increase=1	is for and valls t face .00,		4	The second se	ORTH CA	ROUM
this design2) n/a3) Truss to bbraced ag	5-13=-155/31, 6-10= ed floor live loads have n. pe fully sheathed from o gainst lateral movemen ds spaced at 1-4-0 oc.	e been considered fo one face or securely								THE WAY	A A A A A A A A A A A A A A A A A A A		22 EER-RUU

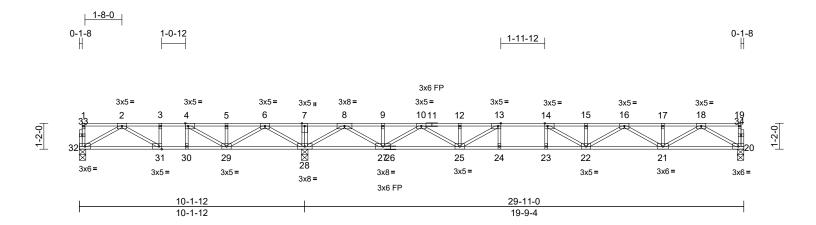


A. GI A. GILLIN February 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F05	Floor	4	1	Job Reference (optional)	163648046

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S. Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.08:32:51 ID:C9TTGtXBLPCeGk2FMKfAZfzuVcj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:51.9

TOP CHORD

BOT CHORD

WEBS

OTHERS

BRACING TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

WFBS

REACTIONS (size)

2x4 SP No.2(flat)

2x4 SP No.3(flat)

2x4 SP No.3(flat)

No.1(flat)

bracing

Max Uplift

Max Grav

Tension

20-21=0/972

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

Structural wood sheathing directly applied or

20=0-3-8, 28=0-3-8, 32=0-3-8

20=622 (LC 4), 28=1401 (LC 1),

6-0-0 oc purlins, except end verticals.

32=-85 (LC 4)

32=284 (LC 3)

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,

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,

(Ib) - Maximum Compression/Maximum

16-17=-1692/0, 17-18=-1692/0, 18-19=-3/0

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

Rigid ceiling directly applied or 6-0-0 oc

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	тс	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.
- 4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 5) Recommend 2x6 strongbacks, on edge, spaced at
 - 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. CAUTION, Do not erect truss backwards. 6)

LOAD CASE(S) Standard

NINDTH CAS ORTH VULLINGUN 111111111 SEAL 036322 GI munin

February 15,2024

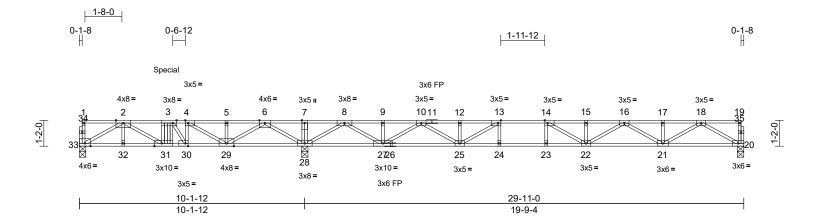


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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F06	Floor Girder	1	1	Job Reference (optional)	163648047

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:52 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)-1-8,Edg	e], [14:0-1-8,E	dge], [30:0-1-8,Edg	ge], [31:0)-4-0,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 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	l/defl >861 >639 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 158 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) *E No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	athing directly applie cept end verticals.			7-28=-143/0, 8-28 8-27=0/1286, 18-2 17-21=-115/0, 10-2 10-25=0/761, 16-2 15-22=-198/4, 13-2 14-22=-316/379, 1 14-23=-165/43, 6-2 5-29=-126/0, 4-30 6-28=-1730/323, 2 2-31=-1485/1117, 3-30=-720/512, 4-2	1=0/870 27=-101 2=0/397 25=-871, 3-24=-2 29=-369, =-399/56 -33=-14 3-31=-5	, 9-27=-116/0 7/0, 16-21=-6 , 12-25=-126 /0, 1/187, /1485, i7, 36/1386, 36/738, 2-32	0, 510/0, /76,	Vert: 3=	:-840 (I	В)	
REACTIONS FORCES TOP CHORD	5	LC 14), 28=1813 (LC LC 3) hpression/Maximum 47/0, 1-2=-3/0, 4=-1978/2404, 5=-1150/2024, 2503, 8-9=-798/414, 12=-2146/0,	1)	this design. All plates ar Provide med bearing plat joint 33. This truss is Internationa R802.10.2 a Recommend 10-00-00 oct	floor live loads have e 1.5x3 MT20 unle chanical connection e capable of withst designed in accorr I Residential Code ind referenced star d 2x6 strongbacks, and fastened to ea	ss other n (by oth anding 6 dance w sections ndard AN on edge ach truss	wise indicate ers) of truss (66 lb uplift at th the 2018 SISURE 1.1 a USI/TPI 1. e, spaced at s with 3-10d	d. to and			mmm	1111.
BOT CHORD	32-33=-1208/1255, 30-31=-2584/2288, 28-29=-1733/117, 2 25-27=-143/1578, 2	18=-1744/0, 18-19=-3 31-32=-1208/1255, 29-30=-2404/1978, 7-28=-1179/45,	6) 7) 267, 8)	at their oute CAUTION, I Hanger(s) o provided su Ib down and design/seler responsibilit In the LOAE of the truss DAD CASE(S) Dead + Flo Plate Incre Uniform Lo Vert: 20	OCASE(S) section, are noted as front (Standard oor Live (balanced) ase=1.00	d by othe backward device(s oncentra 1-4 on to ection de loads a F) or ba	er means. ds.) shall be ated load(s) 8 op chord. The vice(s) is the oplied to the ck (B).	face	4	No. Comment	SEA 0363	ER RUIN

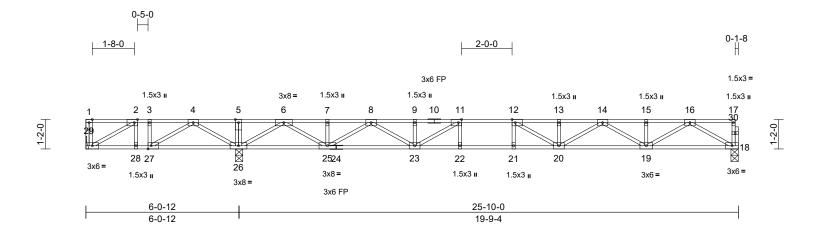
February 15,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F07	Floor	7	1	Job Reference (optional)	163648048

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:53 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], [27:0-1-8,8	Edge]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.69 0.79 0.59	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.26 -0.35 0.03	(loc) 20-21 20-21 18	l/defl >914 >667 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 132 lb	GRIP 244/190 FT = 20%F, 11%E
	2x4 SP No.2(flat) *E. No.1(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 6-0-0 oc 26=0-3-8, 29= al LC 4) _C 7), 26=1405 (LC 1	2 3 4 d or 5 6	 this design. All plates are Refer to gird Provide mec bearing plate joint 29. This truss is International R802.10.2 a Recommend 10-00-00 oc (0.131" X 3" at their outer 	floor live loads h a 3x5 MT20 unlee ler(s) for truss to chanical connection a capable of with: designed in accord Residential Cod nd referenced sta d 2x6 strongbacks and fastened to) nails. Strongba r ends or restrain Do not erect truss Standard	ss otherwi truss conr on (by oth standing 2 ordance w le sections andard AN s, on edge each truss ucks to be ued by othe	se indicated lections. ers) of truss 91 lb uplift a ith the 2018 R502.11.1 SI/TPI 1. s, spaced at with 3-10d attached to v er means.	to at and					
ORCES	(lb) - Maximum Com	,											
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	7/631, 4-5=0/2007, 94/0, 7-8=-394/0, 1822/0, 11-12=-2384 14=-2441/0,	,										11111
BOT CHORD	14-15=-1657/0, 15-1 28-29=-631/77, 27-2 26-27=-1314/0, 25-2 22-23=0/2384, 21-2 19-20=0/2138, 18-1	26=-722/0, 23-25=0/1 2=0/2384, 20-21=0/2	216,							6	A.	ORTHOR	No.
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=-89/724 185/0, 3-27=-273/0, 3=-1101/0, 6-25=0/12 -116/0, 15-19=-114/0 -561/0, 8-23=0/715, -117/64, 13-20=-185, 0=-254/275,	240,),									SEA 0363	ER A

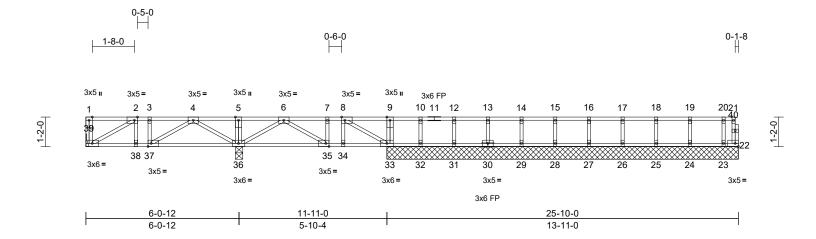
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F08	Floor	1	1	Job Reference (optional)	163648049

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:53 ID:oOMcLI6I29Fq06jTAPWQVnzuVbz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:45.6

-iale Offsets ([∧, τ): [∠:υ-1-8,⊨dge],	, [8:0-1-8,Edge], [35:0-1	-o,⊏ugej, [37:0-1-8,E	agej							1	
Loading TCLL TCDL 3CLL 3CDL	(psf) 40.0 10.0 0.0	Plate Grip DOL Lumber DOL Rep Stress Incr	I-4-0 I.00 I.00 NO RC2018/TPI2014	CSI TC BC WB Matrix-MSH	0.48 0.10 0.16	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 35-36 35-36 33	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190 ET = 20%E_11%
CDL UMBER OP CHORD OT CHORD VEBS DTHERS FRACING OP CHORD OT CHORD	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, Except: 10-0-0 oc bracing: 3 (size) 22=13-11 24=13-11 28=13-11	eathing directly applied of cept end verticals.	or WEBS I. NOTES 1) Unbalanced	Matrix-MSH 38-39=0/235, 37-3(35-36=-53/133, 34- 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, 12-3 14-29=-689/0, 15-2 17-26=-691/0, 18-2 20-23=-569/0 I floor live loads have	-35=0/2 2/0, 29 2/0, 26 2/0, 26 357/0, =0/137, 1 370/0, 8 -58/0, 8 -58/0, 8 -58/0, 8 -58-689 -58-683	04, 33-34=0/2)-31=-2/0,)-27=-2/0,)-24=-2/0, 1-34=-380/0, 2-38=-4/9,)-33=-237/0, -34=0/25, /0, 13-27=-68i /0, 16-27=-68i /0, 19-24=-713	9/0, 8/0, 3/0,				Weight: 123 lb	FT = 20%F, 11%
FORCES	39= Mech Max Uplift 22=-39 (L Max Grav 22=-10 (L 24=722 (I 26=699 (I 28=698 (I 30=697 (I 32=695 (I 36=527 (I 0 36=527 (I (Ib) - Maximum Com Tension 1-39=-51/0, 21-22=0 21-22=0	LC 1) LC 3), 23=576 (LC 1), LC 4), 25=691 (LC 1), LC 4), 27=697 (LC 1), LC 4), 29=698 (LC 1), LC 4), 31=700 (LC 1), LC 4), 33=478 (LC 4), LC 1), 39=187 (LC 3) appression/Maximum D/39, 1-2=0/0, 2-3=-235,	 All plates ar Truss to be braced agai Gable studes Refer to girin One H2.5A recommend UPLIFT at ji does not co This truss is Internationa R802.10.2 at 	e 1.5x3 MT20 unles fully sheathed from inst lateral movemen a spaced at 1-4-0 oc der(s) for truss to tru Simpson Strong-Tie led to connect truss ((s) 22. This connec nsider lateral forces a designed in accorc il Residential Code and referenced stan d 2x6 strongbacks,	one fac nt (i.e. c uss conre to bear tion is fo dance w sections dard AN	e or securely liagonal web). hections. ctors ing walls due or uplift only a tht the 2018 \$R502.11.1 au NSI/TPI 1.	to nd		4	Z	OR TH CA	ROLIN
	10-12=0/2, 12-13=0	4/0, 8-9=0/2, 9-10=0/2, /2, 13-14=0/2, 14-15=0/ /2, 17-18=0/2, 18-19=0/	10-00-00 oc 2, at their oute 9) CAUTION, LOAD CASE(S 1) Dead + Fite Plate Incre- Uniform Lo	c and fastened to ea ') nails. Strongback er ends or restrained Do not erect truss b) Standard por Live (balanced): ease=1.00	ich truss is to be I by othe ackward Lumbe	s with 3-10d attached to wa er means. ds. r Increase=1.0				A MARINE AND A	0363	ER A

February 15,2024

Page: 1

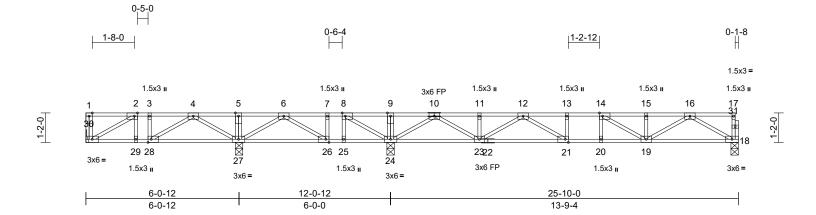
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 192 FaNC	
24020062	F09	Floor	2	1	Job Reference (optional)	163648050

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:54 ID:vufW4kHS_8u_46DzQeFTXWzuVbm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:45.6

Plate Offsets (2	X, Y): [2:0-1-8,Edge],	[8:0-1-8,Edge], [14:0	-1-8,Edg	e], [21:0-1-8,Eo	dge], [26:0-1-8,Ed	ge], [28:0)-1-8,Edge]						
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.47 0.40 0.36	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.08 0.01	(loc) 20-21 21-23 18	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 135 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, exe Rigid ceiling directly bracing. (size) 18=0-3-8, Mechanic Max Grav 18=427 (L	applied or 6-0-0 oc 24=0-3-8, 27=0-3-8, al	3) 4) 5) d or 30= L0 1),	 Refer to gird This truss is International R802.10.2 a Recommend 10-00-00 oc (0.131" X 3") at their outer 	a 3x5 MT20 unless er(s) for truss to tr designed in accor Residential Code nd referenced star I 2x6 strongbacks and fastened to e nails. Strongbac on t erect truss Standard	russ conr rdance w sections ndard AN , on edge ach truss ks to be d by othe	nections. ith the 2018 ith R502.11.1 a ISI/TPI 1. e, spaced at is with 3-10d attached to w er means.						
FORCES	(lb) - Maximum Com)										
TOP CHORD	12-13=-1208/0, 13-1	11/10, 4-5=0/325, 577, 7-8=-45/577,)2/921, 11-12=-602/0	·										
BOT CHORD											- NIN	ORTH CA	ROUTIN
WEBS NOTES 1) Unbalance this design	5-27=-120/0, 9-24=- 2-30=-242/12, 4-28= 3-28=-66/0, 6-27=-2 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	=0/172, 2-29=-32/22, 89/171, 8-24=-611/0, 21/83, 8-25=0/100, 3=-735/0, 10-23=0/76 =-117/0, 15-19=-139/ ==-287/0, 12-21=0/32)=-47/41	0, 8,							Contraction of the second seco		SEA 0363 S C A. G	22 ER RUIN

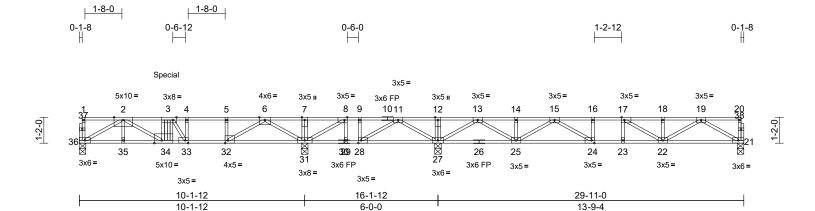
this design.

mmmm February 15,2024



Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F10	Floor Girder	1	1	Job Reference (optional)	163648051

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:55 ID:?Do1KBJqQm38Ex3FGwGtLxzuVZ8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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Plate Offsets ((X, Y): [3:0-2-0,Edge],	, [8:0-1-8,Edge], [17:0)-1-8,Edg	e], [24:0-1-8,E	dge], [28:0-1-8,Edg	ge], [32:0	-1-8,Edge], [33:0-1-8	,Edge],	[34:0-4-	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 NO IRC201	18/TPI2014	CSI TC BC WB Matrix-MSH	0.79 0.94 0.80	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.20 0.03		l/defl >687 >598 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 158 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2400F 2.0E(flat) 2x4 SP No.2(flat) *E 2400F 2.0E(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) 21=0-3-8, 36=0-3-8 Max Uplift 36=-67 (L Max Grav 21=424 (L 31=860 (L (lb) - Maximum Com Tension	xcept* 36-30:2x4 SP athing directly applie cept end verticals. applied or 6-0-0 oc , 27=0-3-8, 31=0-3-8, C 26) _C 5), 27=1022 (LC 1 _C 3), 36=997 (LC 14	d or N 1) 2) 3) 1),	OTES) Unbalanced this design.) All plates ard) One H2.5A recommend UPLIFT at jt does not cor) This truss is	7-31=-214/0, 12-2 8-31=-308/375, 11 9-28=-213/0, 13-2 13-25=0/753, 19-2 13-25=0/753, 19-2 18-22=-141/0, 15- 15-24=0/345, 16-2 2-36=-1910/164, 6 5-32=-490/26, 4-3 2-35=-5/16, 2-34= 3-33=-1145/288 floor live loads ha e 1.5x3 MT20 unle Simpson Strong-T1 ed to connect truss (s) 36. This conne- nsider lateral force designed in accor l Residential Code	I-28=0/5 7=-996/ (22=0/462 225491. 24=-116/ -322=-75 3=-154/4 -265/16S ve been es other ie conne is to bear ction is fi s. dance w	1, 8-29=-58, , 19-21=-728, , 14-25=-116 0, 17-22=-27, , 17-23=-51, 1423, 60, 6-31=-13 0, 3-34=-556 considered fi wise indicate ctors ng walls due or uplift only a ith the 2018	/28, 3/0, //0, /1/9, /37, 333/0, 333/0, 5/106, or d. to and		Vert: 3=	968 (F	=)	
BOT CHORD	2-3=-3154/376, 3-4= 4-5=-2530/270, 5-6= 6-7=-304/400, 7-8=- 9-11=-371/500, 111 13-14=-566/0, 14-15 16-17=-1188/0, 171 18-19=-1028/0, 19-2 35-36=-143/1669, 3 33-34=-386/3207, 33 31-32=-214/1324, 22 28-29=-500/371, 27-	2530/270, 2530/270, 304/400, 8-9=-371/5(12=0/1012, 12-13=0/1 =-566(0, 15-16=-118 18=-1028(0, 20=-3/0 4-35=-143/1669, 2-33=-270/2530, 9-31=-500/371, -28=-720/131, 5=0/974, 23-24=0/118	1012, 8/0, 6) 7) 38, 8)	R802.10.2 a Recommend 10-00-00 oc (0.131" X 3" at their oute CAUTION, I Hanger(s) o provided sul Ib down and design/selec responsibilit In the LOAD of the truss a OAD CASE(S) Dead + Floc Plate Incre Uniform Lo	Ind referenced star d 2x6 strongbacks, and fastened to ei-) nails. Strongbac r ends or restraine Do not erect truss to r other connection fficient to support of 266 lb up at 3-11 tion of such conner y of others. D CASE(S) section, are noted as front Standard oor Live (balanced) ase=1.00	ndard AN on edge ach truss ks to be d by othe backware device(s concentra -4 on top ection de , loads a (F) or ba	ISI/TPI 1. a, spaced at with 3-10d attached to w attached to w attached to w attached to w attached to w b, shall be ted load(s) 1 o chord. The wice(s) is the oplied to the ck (B).	valls 004 face				SEA 0363	L 22 EERRATION

THILING STREET February 15,2024

Page: 1

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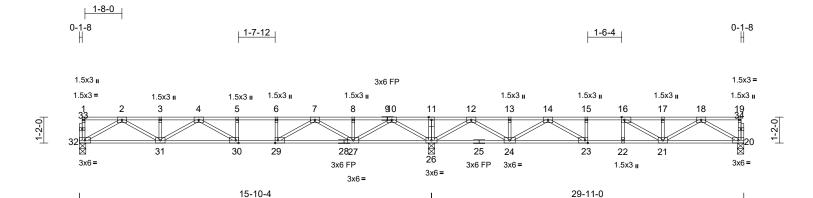
Concentrated Loads (lb)

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F11	Floor	12	1	Job Reference (optional)	163648052

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:57 ID:XePDXjXBdonprSHghdaYxEzuVXZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

14-0-12

Page: 1



15-10-4

Scale = 1:51.9

Plate Offsets (X, Y): [16:0-1-8,Edge], [23:0-1-8,Edge], [2	9:0-1-8,E	dge], [30:0-1-8,	Edge]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.60 0.68 0.45	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.19 0.03	(loc) 30-31 30-31 20	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 150 lb	GRIP 244/190 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 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 6-0-0 oc 26=0-3-8, 32=0-3-8	1) 2) 3) d or 4) 5)	Unbalanced this design. All plates are This truss is International R802.10.2 a Recommend 10-00-00 oc (0.131" X 3") at their outer	floor live loads have a 3x5 MT20 unless designed in accor Residential Code nd referenced star 2x6 strongbacks, and fastened to ea nails. Strongback ends or restraine to not erect truss b	otherwi dance w sections ndard AN on edge ach truss ks to be d by othe	se indicated. ith the 2018 R502.11.1 a ISI/TPI 1. e, spaced at with 3-10d attached to v er means.	and					
FORCES TOP CHORD	32=501 (l (lb) - Maximum Com Tension 1-32=-47/0, 19-20=- 2-3=-1291/0, 3-4=-1 5-6=-1623/0, 6-7=-1 8-10=-691/310, 10-1 12-13=-604/444, 13 14-15=-1257/18, 15	_C 3) pression/Maximum 49/0, 1-2=-3/0, 291/0, 4-5=-1623/0, 623/0, 7-8=-691/310, 11=0/1534, 11-12=0/- -14=-604/444, -16=-1257/18,	, 1534,										
BOT CHORD		4=-233/1026,									THE R	ORTH CA	ROLL
WEBS	11-26=-137/0, 10-26 10-27=0/947, 2-31= 3-31=-101/0, 7-27=- 7-29=0/647, 4-30=-2 6-29=-235/0, 12-26= 12-24=0/846, 18-21 17-21=-163/0, 14-24	687/0, 4-31=-341/1, 210/134, 5-30=-60/42 1082/0, 18-20=-754 =0/486, 13-24=-122/0	2, 4/0, 0,									SEA 0363	22 EP
NOTES											e	111111	

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TRENGINEERING BY A MiTek Atfiliate

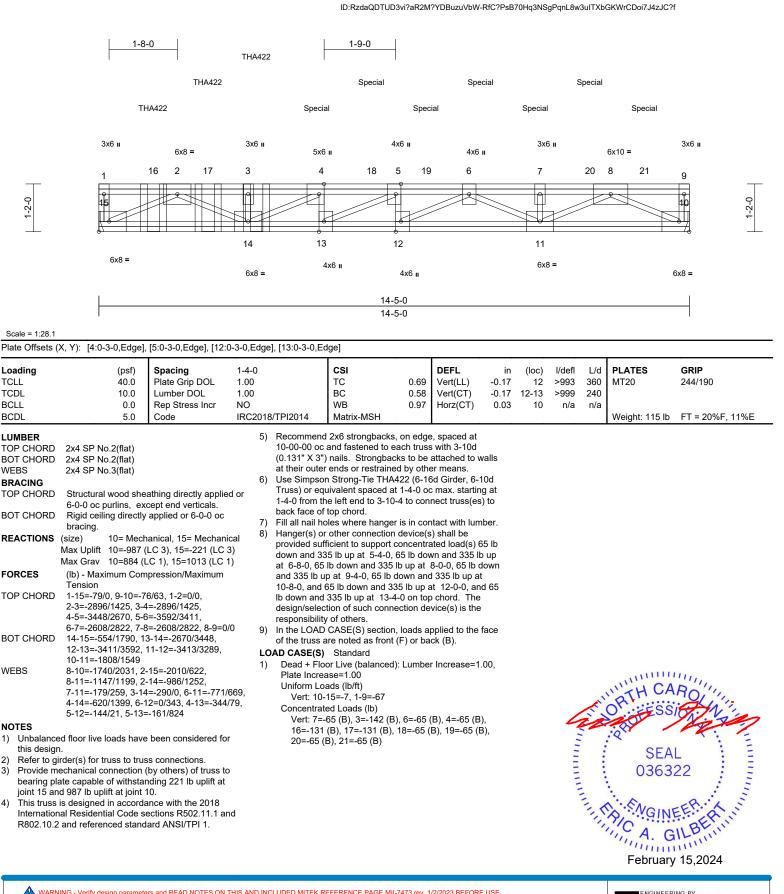
818 Soundside Road Edenton, NC 27932

February 15,2024

Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	F12	Floor Girder	1	1	Job Reference (optional)	163648053

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:57

Page: 1



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

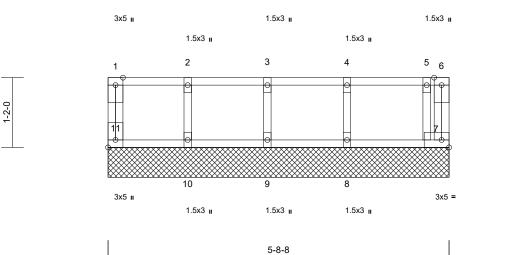
Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	FW05	Floor Supported Gable	1	1	Job Reference (optional)	163648054

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:57 ID:M1Acg1bSekvkSR4yXL32kuzuVPk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x5 🛛

Page: 1

1-2-0





Scale = 1:19.3

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

	(X, T): [TT:Edge;0-1-0	ני 											
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 NO IRC2018/	TPI2014	CSI TC BC WB Matrix-MR	0.26 0.08 0.09	DEFL 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 Weight: 28 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 5-8-8 oc purlins, ex Rigid ceiling directly bracing. (size) 7=5-8-8, 8 10=5-8-8, Max Grav 7=227 (LC	cept end verticals. applied or 10-0-0 oc 8=5-8-8, 9=5-8-8, 11=5-8-8)=364	Plate Increa Uniform Loa			r Increase=1.	00,					
 Truss to b braced ag Gable stu. This truss Internation R802.10.2 Recomment 10-00-00 (0.131" X at their ou In the LO/ 	3-4=-41/0, 4-5=-41/0 10-11=0/41, 9-10=0, 2-10=-338/0, 3-9=-3 5-7=-262/0 uires continuous botton the fully sheathed from of painst lateral movemen ds spaced at 1-4-0 oc. is designed in accorda and Residential Code se 2 and referenced stand end 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks, o ter ends or restrained AD CASE(S) section, In seare noted as front (F	33, 1-2=-41/0, 2-3=-4 0, 5-6=-3/0 (41, 8-9=0/41, 7-8=0, 54/0, 4-8=-377/0, m chord bearing. one face or securely t (i.e. diagonal web). ance with the 2018 ections R502.11.1 ar lard ANSI/TPI 1. on edge, spaced at th truss with 3-10d to be attached to wa by other means. oads applied to the fa	/41 nd alls							A stratter a		in min	22 EER A



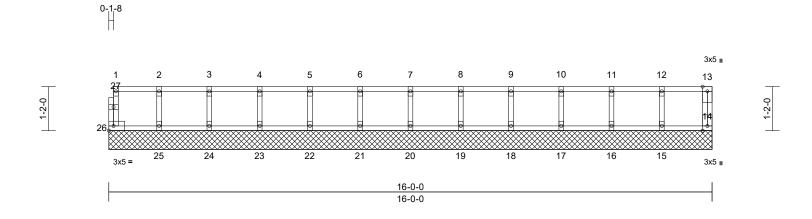
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 192 FaNC	
240200	062	FW16	Floor Supported Gable	1	1	Job Reference (optional)	163648055

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:58 ID:yUcnjZmkwxIzFXpWsqxFISzuVXF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:30.6

Scale = 1:30.6												
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.05	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(TL)	n/a	-	n/a	999	11120	211/100
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI201	4 Matrix-MR							Weight: 68 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)		Interna R802.1 6) Recom 10-00-0	ss is designed in acco tional Residential Cod 0.2 and referenced sta mend 2x6 strongbacks 00 oc and fastened to (X 3") nails. Strongba	e sections andard AN s, on edge each truss	s R502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d						
TOP CHORD		athing directly applie	d or at their	outer ends or restrain ON, Do not erect truss	ed by othe	er means.						
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc		E(S) Standard	buonnan							
REACTIONS	17=16-0-(20=16-0-(23=16-0-(26=16-0-(26=16-0-((LC 1), 17 1), 19=98 21=98 (LC	C 1), 15=95 (LC 1), 1 7=98 (LC 1), 18=98 (L 6 (LC 1), 20=98 (LC 1 C 1), 22=98 (LC 1), 2 4=99 (LC 1), 25=95 (L	0-0, 0-0, 0-0, 6=98 _C), 3=98									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	3-4=-7/0, 4-5=-7/0, 5	9-10=-7/0, 10-11=-7/0	,							111	OR THESE	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		APP-	the second
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,										• -
NOTES										1	·	A 1. 3
, ,	are 1.5x3 MT20 unless									3.5	NGIN	EEN
, ,	uires continuous botto e fully sheathed from o	0								11	10	BEIN
	ainst lateral movemen									1	A. G	allunin
	ds spaced at 1-4-0 oc.	, 5,.										1111

February 15,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	V1	Valley	1	1	Job Reference (optional)	163648056

5-5-1

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

TCDL

BCLL

BCDL

1-6-7

(psf)

20.0

20.0

10.0

10.0

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

bracing.

Max Uplift

Max Grav

Tension

2-4=-711/312

(size)

10-0-0 oc purlins.

Max Horiz 1=-102 (LC 12)

(LC 21)

1-2=-143/451, 2-3=-143/451

1-4=-262/198, 3-4=-262/198

Unbalanced roof live loads have been considered for

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 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.

Wind: ASCE 7-16; Vult=130mph (3-second gust)

4=-137 (LC 14)

(lb) - Maximum Compression/Maximum

0.0

Code

1=-74 (LC 21), 3=-74 (LC 20),

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Thu Feb 15.08:32:58 ID:GR86vAHIZ5TLvyZqpJEsHwzylSj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4x5 =

10-6-0

5-0-15

10-10-2



GRIP

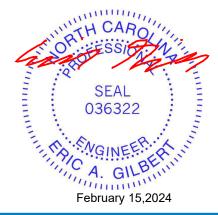
244/190

FT = 20%

2 10 4-2-12 11 12 10 Г 12 3 4 3x5 🖌 2x4 u 3x5 💊 10-10-2 Spacing 2-0-0 CSI DEFL l/defl L/d PLATES in (loc) Plate Grip DOL 1.15 TC 0.58 Vert(LL) n/a n/a 999 MT20 BC 1 15 0.51 Lumber DOL Vert(TL) n/a n/a 999 Rep Stress Incr YES WB 0.26 Horiz(TL) 0.01 4 n/a n/a IRC2018/TPI2014 Matrix-MSH 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) 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)

- 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.
- 1=74 (LC 20), 3=74 (LC 21), 4=904 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 1, 74 lb uplift at joint 3 and 137 lb uplift at joint 4. 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



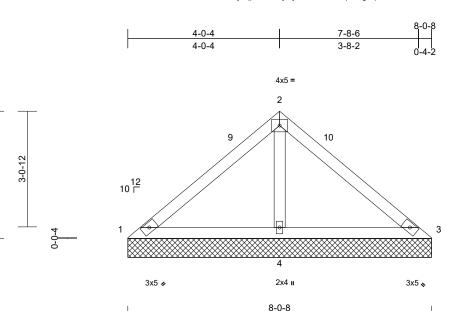
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 - 192 FaNC	
24020062	V2	Valley	1	1	Job Reference (optional)	163648057

3-4-7

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Thu Feb 15 08:32:58 ID:GR86vAHIZ5TLvyZqpJEsHwzylSj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:30.5

Loading TCLL (roof) Snow (Pf) TCDL	(psf) 20.0 20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES		CSI TC BC WB	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	GRIP 244/190
BCLL BCDL	0.0* 10.0	Code	IRC2018	3/TPI2014	Matrix-MP							Weight: 30 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD WEBS NOTES	8-0-8 oc purlins. Rigid ceiling directly bracing. (size) 1=8-0-8, Max Horiz 1=-75 (LC Max Uplift 1=-35 (LC 4=-91 (LC Max Grav 1=105 (L 4=628 (L	C 21), 3=-35 (LC 20), C 14) C 20), 3=105 (LC 21 C 21) npression/Maximum -111/282	6) 7) 8) 9)), 10 11	Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. Gable requir Gable studs This truss ha chord live loz * This truss ha chord live loz * This truss ha chord live loz * This truss ha chord and ar) Provide mece bearing plate bearing plate bearing plate the study of the study 1, 35 lb upliff	snow loads have es continuous b spaced at 4-0-0 is been designe ad nonconcurrer has been design n chord in all are by 2-00-00 wide y other member hanical connecti capable of with t at joint 3 and 9 designed in acco Residential Coo nd referenced st	f (Lum DC at B; Fully been cor octom chor oc. if for a 10.0 t with any ed for a 10.0 t with any ed for a liv as where will fit bet on (by oth standing 3 I bu plift a ordance w e sections	DL=1.15 Plate Exp.; Ce=0.9 Isidered for the d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto ers) of truss t 5 lb uplift at j t joint 4. It the 2018 R502.11.1 a	ds. opsf 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.

MILLING ORTH A DITTY TO THE TANK T AMALINITY, SEAL 036322 GI Minimum February 15,2024

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Job	Truss	Truss Type	Qty	Ply	DRB - 192 FaNC	
24020062	V3	Valley	1	1	Job Reference (optional)	163648058

2-7-7

2-7-7

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 08:32:58 ID: GR86 vAHIZ5TLvyZqpJEsHwzyISj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

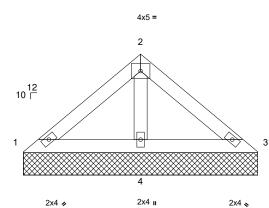
4-10-12

2-3-5

5-2-14



1-10-12 12 10 ∟ 2-2-7 0-0-4



5-2-14

Scale = 1:25.8

Scale = 1:25.8													
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 IRC201	8/TPI2014	CSI TC BC WB Matrix-MP	0.11 0.13 0.04	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 Weight: 19 lb	GRIP 244/190 FT = 20%
	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 12) 15), 4=-39 (LC 14) 20), 3=92 (LC 21), 4	9)	 design. Gable require Gable studs This truss ha chord live loz * This truss h on the botton 3-06-00 tall b chord and are bearing plate and 39 lb upl This truss is 	snow loads have t es continuous bott spaced at 4-0-0 oc s been designed find nonconcurrent v ias been designed in chord in all areas by 2-00-00 wide wi by other members. hanical connection capable of withsta iff at joint 4. designed in accord Residential Code	om choi c. or a 10. with any for a liv s where Il fit betv anding 6 dance w	d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the botto ers) of truss to b uplift at joi ith the 2018	ds. Dpsf om nt 3					
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Com Tension 1-2=-84/121, 2-3=-8 1-4=-92/99, 3-4=-92 2-4=-210/114	4/121	L	R802.10.2 ar OAD CASE(S)	nd referenced stan Standard	idard Al	ISI/TPI 1.						
 this design. Wind: ASC Vasd=103n Cat. II; Exp zone and C exposed; e members a Lumber DC Truss desi only. For s see Standa or consult c TCLL: ASC Plate DOL= 	E 7-16; Vult=130mph nph; TCDL=6.0psf; Br B; Enclosed; MWFR -C Exterior(2E) zone and vertical left and rig ind forces & MWFRS DL=1.60 plate grip DC gned for wind loads in tuds exposed to wind ird Industry Gable En- qualified building desig E 7-16; Pr=20.0 psf (L ; Is=1.0; Rough Cat E	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterio ; cantilever left and r ght exposed;C-C for for reactions shown; uL=1.60 the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TF roof LL: Lum DOL=1 um DOL=1.15 Plate	r ight ss , ole, Pl 1. 15							A THINK		SEA 0363	EER AL

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A. GIL February 15,2024

Symbols

PLATE LOCATION AND ORIENTATION

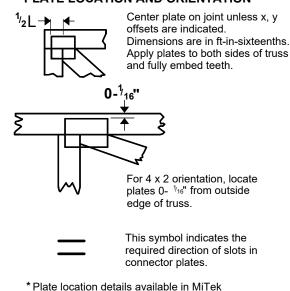


PLATE SIZE

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

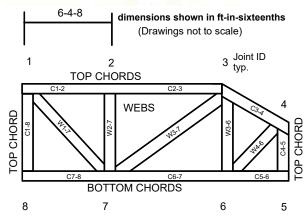


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.