

RE: 3822902 - Furr, Mayview - Elev.	C, 4 Shady Grove	Trenco 818 Soundside Rd Edenton, NC 27932
Site Information:		
Project Customer: Furr Construction F Lot/Block: 4 Address:	Project Name: Subdivision: SHADY GROVE	E
City:	State: NC	
Name Address and License # of Strue Name: Address: City, County:		nse #:
City, Courity.	Stat	le.
General Truss Engineering Criteria & Loading Conditions):	Design Loads (Individual Truss	Design Drawings Show Special
Design Code: IRC2015/TPI2014	Design Program: M	iTek 20/20 8.6
Wind Code: ASCE 7-10	Design Method: MV	WFRS (Envelope)/C-C hybrid Wind ASCE 7-10
Wind Speed: 130 mph		
Roof Load: 40.0 psf	Floor Load: N/A ps	f
This package includes 13 individual, da	ted Truss Design Drawings and 0 A	Additional Drawings.

No.	Seal#	Job ID#	Truss N	ame Date
1	163088435	3822902	E01	1/17/24
2 3	l63088436 l63088437	3822902 3822902	F02 F03	1/17/24 1/17/24
4	163088438	3822902	F04	1/17/24
5 6	l63088439 l63088440	3822902 3822902	F05 F06	1/17/24 1/17/24
7	163088441	3822902	F07	1/17/24
8	163088442	3822902	F08	1/17/24
9 10	l63088443 l63088444	3822902 3822902	F09 F10	1/17/24 1/17/24
11	163088445	3822902	F11	1/17/24
12 13	l63088446 l63088447	3822902 3822902	F12 F13	1/17/24 1/17/24
10	103000447	JUZZ30Z	115	1/1/24

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Sumter,SC.

Truss Design Engineer's Name: Fox, Steve

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

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.

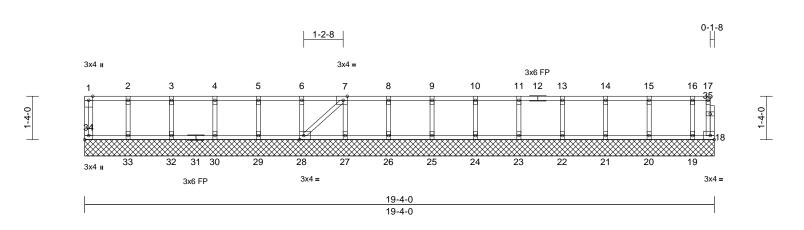


Fox, Steve

January 17,2024

Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F01	Floor Supported Gable	1	1	Job Reference (optional)	163088435

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:53 ID:Zpi2NjkUJEW64uSNfa3hg_ySsqq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:35.4

Plate Offsets (X, Y): [7:0-1-8,Edge], [28:0-1-8,Edge], [34:Edge,0-1-8]

Plate Offsets (2	X, Y): [7:0-1-8,Edge],	, [28:0-1-8,Edge], [34:	Edge,0-	1-8]								-	
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC20 ²	15/TPI2014	CSI TC BC WB Matrix-S	0.08 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 18	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 88 lb	GRIP 244/190 FT = 20%F, 11%E
												- 3	,
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=19-4-(24=19-4-(27=19-4-(30=19-4-(30=19-4-(34=19-4-(44=19-4-(27=19-4-(27=19-4-(21))) 34=19-4-(21)) 44=19-4-(21)) 24=19-4-(21)) 24=19-4-(21)) 24=19-4-(21)) 24=19-4-(21)) 24=19-4-(22=14)))))))))))))))))))))))))))))))))))	applied or 10-0-0 oc 0, 19=19-4-0, 20=19-4 0, 22=19-4-0, 23=19-4 0, 25=19-4-0, 26=19-4 0, 28=19-4-0, 29=19-4 0, 32=19-4-0, 33=19-4 0 1), 19=120 (LC 1), LC 1), 21=145 (LC 1), LC 1), 23=147 (LC 1),	1 2 3 4 1 or 5 6 4-0, 7 4-0, 7 4-0, 7 1-0, 8	 Gable require Truss to be f braced again Gable studs All bearings a capacity of 5 This truss is International R802.10.2 ar Recommend 10-00-00 oc (0.131" X 3") at their outer 	designed in accol Residential Code nd referenced sta 2x6 strongbacks and fastened to e nails. Strongbac ends or restraine to not erect truss	tom choi n one fac ent (i.e. c c. e SP No. rdance w e sections ndard AN , on edge ach truss ks to be d by othe	d bearing. e or securely liagonal web). 2 crushing ith the 2015 5 R502.11.1 at SI/TPI 1. e, spaced at s with 3-10d attached to wier er means.	nd					
FORCES	26=147 (L 28=147 (L 30=147 (L	LC 1), 25=147 (LC 1), LC 1), 27=147 (LC 1), LC 1), 29=147 (LC 1), LC 1), 32=145 (LC 1), LC 1), 34=52 (LC 1) appression/Maximum										WITH CA	Rojin
TOP CHORD	Tension 1-34=-47/0, 17-18=- 3-4=0/0, 4-5=0/0, 5-1 8-9=0/0, 9-10=0/0, 1	2/0, 1-2=0/0, 2-3=0/0, 6=0/0, 6-7=0/0, 7-8=0 10-11=0/0, 11-13=0/0, /0, 15-16=0/0, 16-17=	/0,									SEA SEA	L
BOT CHORD	33-34=0/0, 32-33=0/ 28-29=0/0, 27-28=0/ 24-25=0/0, 23-24=0/ 20-21=0/0, 19-20=0/	/0, 30-32=0/0, 29-30= /0, 26-27=0/0, 25-26= /0, 22-23=0/0, 21-22= /0, 18-19=0/0	0/0, 0/0,							1111		1860	D3
WEBS	,	133/0, 7-27=-133/0, 133/0, 10-24=-133/0, 2=-134/0, 14-21=-132/	′0,								(III)	Januar	L 3 E.F.P.Otunn 17,2024

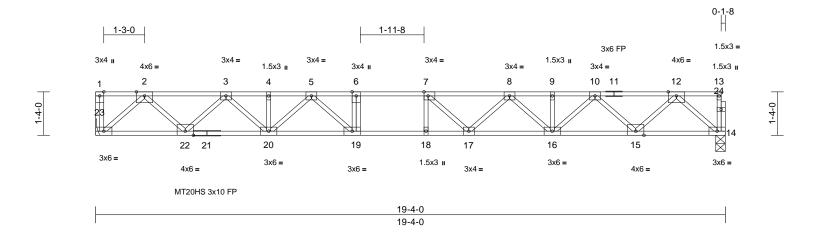
binst.org) B18 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 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	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F02	Floor	8	1	Job Reference (optional)	163088436

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:55 ID:9ag2alkw?RrUvUj7TpXw?GySspY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:35.4

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

	∧, 1). [7.0-1-0,∟uge]												
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2015/	/TPI2014	CSI TC BC WB Matrix-S	0.92 0.76 0.53	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 17-18 17-18 14	l/defl >699 >510 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 104 lb	GRIP 187/143 244/190 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. 2400F 2.0E or 2x4 S (flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 2-2-0 oc purlins, ex Rigid ceiling directly bracing.	P DSS or 2x4 SP SS athing directly applie cept end verticals.	8) dor LOA	International R802.10.2 ar Recommend 10-00-00 oc a (0.131" X 3") at their outer	designed in accor Residential Code Id referenced star 2x6 strongbacks, and fastened to er nails. Strongbac ends or restraine o not erect truss to Standard	sections ndard AN on edge ach truss ks to be d by othe	R502.11.1 a ISI/TPI 1. s, spaced at s with 3-10d attached to wer means.						
REACTIONS	e e	23= Mechanical	1)										
FORCES	(lb) - Maximum Com		'/										
TOP CHORD	Tension ID 1-23=-39/0, 13-14=-35/0, 1-2=0/0, 2-3=-1938/0, 3-4=-3270/0, 4-5=-3270/0, 5-6=-4094/0, 6-7=-4094/0, 7-8=-3957/0.												
BOT CHORD	12-13=-2/0 22-23=0/1137, 20-22 18-19=0/4094, 17-18 15-16=0/2707, 14-19	8=0/4094, 16-17=0/3										TH CA	ROUL
WEBS	2-23=-1514/0, 12-14 12-15=0/1114, 3-22 3-20=0/771, 10-16=(9-16=-46/0, 8-16=-6	k=-1509/0, 2-22=0/11 =-1063/0, 10-15=-107 0/760, 4-20=-106/0, 63/0, 8-17=0/435, 0/766, 7-17=-523/164	72/0,								A.	SEAI 1860	
 this design 2) All plates a 3) All plates a 4) Bearings a 2400F 2.01 	ed floor live loads have are MT20 plates unless are 3x4 MT20 unless c are assumed to be: , Jo E crushing capacity of rder(s) for truss to trus	s otherwise indicated otherwise indicated. bint 14 SP DSS or SS 565 psi.								1000	A A A A A A A A A A A A A A A A A A A	SXGINE SXGINE EVEN	

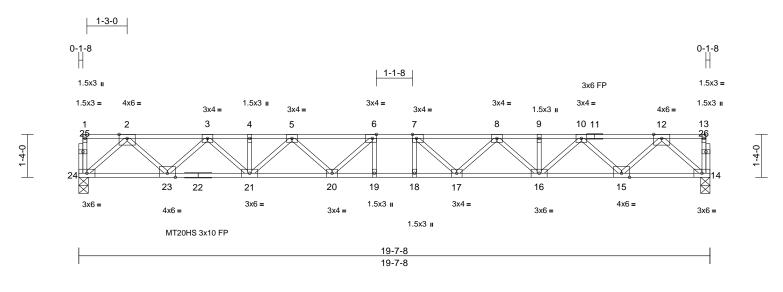
January 17,2024

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Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F03	Floor	4	1	Job Reference (optional)	163088437

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:55 ID:DkVTWAWw1KqNDHV0?AnE1uySrBF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:35.8

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

	, i). [0.0 i 0,∟uge],											
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.73 0.88 0.54	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.33 -0.45 0.08	(loc) 18-19 18-19 14	l/defl >707 >514 n/a	L/d 480 360 n/a	PLATES MT20HS MT20	GRIP 187/143 244/190
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S	-						Weight: 105 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	4-8-4 oc purlins, ex Rigid ceiling directly bracing.	athing directly applie	 Internationa R802.10.2 Recommer 10-00-00 ou (0.131" X 3 at their oute LOAD CASE(S 	s designed in acco I Residential Code and referenced sta d 2x6 strongbacks c and fastened to e) nails. Strongbac r ends or restraine) Standard	e sections indard AN i, on edge each truss cks to be	SR502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d attached to w						
	· · ·		1)									
FORCES	Max Grav 14=1059 (LC 1), 24=1059 (LC 1) (Ib) - Maximum Compression/Maximum Tension											
TOP CHORD	ORD 1-24=-35/0, 13-14=-35/0, 1-2=-2/0, 2-3=-1971/0, 3-4=-3339/0, 4-5=-3339/0, 5-6=-4057/0, 6-7=-4270/0, 7-8=-4057/0, 8-9=-3339/0, 9-10=-3339/0, 10-12=-1971/0,											
BOT CHORD	23-24=0/1153, 21-2 19-20=0/4270, 18-1	3=0/2759, 20-21=0/3 9=0/4270, 17-18=0/4 6=0/2759, 14-15=0/1	270,								WILL CA	Politic
WEBS	2-24=-1533/0, 12-14 12-15=0/1137, 3-23 3-21=0/789, 10-16= 8-16=-671/0, 8-17=0 7-18=-185/205, 4-21	l=-1533/0, 2-23=0/11 =-1096/0, 10-15=-109	37, 96/0,							A. A.	ORTESS	CHINA THE
 this design 2) All plates a 3) All plates a 4) Bearings a 	ed floor live loads have n. are MT20 plates unles are 1.5x3 MT20 unless are assumed to be: Joi f 565 psi, Joint 14 SP	been considered for s otherwise indicated s otherwise indicated int 24 SP No.2 crushi	r I. ing							AL A	SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL	Edit

January 17,2024

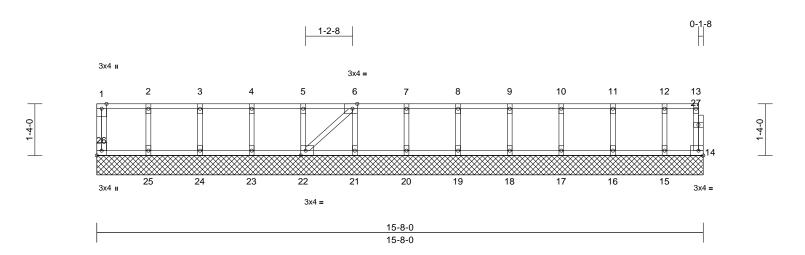


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and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F04	Floor Supported Gable	1	1	Job Reference (optional)	163088438

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:55 ID:Tf7QrcUie3Ww2jkQ0p7CtfzPnP2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:29.8

Plate Offsets (X, Y): [6:0-1-8.Edge], [22:0-1-8.Edge], [26:Edge.0-1-8]

Plate Offsets (2	X, Y): [6:0-1-8,Edge],	[22:0-1-8,Edge], [26	Edge,0-1	I-8]									
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES		CSI TC BC WB	0.08 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC201	5/TPI2014	Matrix-S							Weight: 73 lb	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) 14=15-8-0 20=15-8-0 23=15-8-0 26=15-8-0 Max Grav 14=29 (L0 16=150 (L) 18=147 (L) 20=147 (L) 22=148 (L)	applied or 10-0-0 oc), 15=15-8-0, 16=15-), 18=15-8-0, 19=15-), 21=15-8-0, 22=15-), 24=15-8-0, 22=15-), 24=15-8-0, 22=15-), 1, 15=131 (LC 1), C 1), 17=146 (LC 1) C 1), 19=147 (LC 1) C 1), 21=145 (LC 1) C 1), 22=156 (LC 1) C 1), 25=156 (LC 1) C 1)	4) 5) d or 8-0, 8-0, 8-0, 8-0, 8-0, 8-0, 8-0, 8-0,	braced again) Gable studs capacity of 5) This truss is International R802.10.2 at Recommend 10-00-00 oc (0.131" X 3") at their outer	designed in accor Residential Code nd referenced stat 2x6 strongbacks and fastened to e nails. Strongbac ends or restraine to not erect truss	ent (i.e. c ic. e SP No. rdance w e sections ndard AN , on edge ach truss iks to be id by othe	liagonal web) 2 crushing ith the 2015 5 R502.11.1 a VSI/TPI 1. 9, spaced at 5 with 3-10d attached to w er means.	and					
TOP CHORD	Tension 1-26=-47/0, 13-14=- 3-4=0/0, 4-5=0/0, 5-1 7-8=-1/0, 8-9=-1/0, 9	26/0, 1-2=0/0, 2-3=0/ 6=0/0, 6-7=-1/0, 9-10=-1/0, 10-11=-1/0	,								A.A.	SEA 1860	ROUNA
BOT CHORD	,		=0/1,									SEA 1860	
WEBS NOTES	2-25=-142/0, 3-24=- 5-22=-133/0, 6-21=- 8-19=-133/0, 9-18=- 11-16=-137/0, 12-15	132/0, 7-20=-133/0, 134/0, 10-17=-132/0,										STEVEN	EEP.
1) All plates a	are 1.5x3 MT20 unless uires continuous bottor											EN	in in it.
												Januar	/ 17,2024

TRENGINEERING BY A MITEK Athilate

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 **ANSUTP11 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	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F05	Floor	1	1	Job Reference (optional)	163088439

1-3-0

0-1-8 ||

1.5x3 🛚

1.5x3 =

2

28 H

3x6 =

2

19

3

27

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Page: 1

0-1-8 ∦

1.5x3 =

1.5x3 **I**

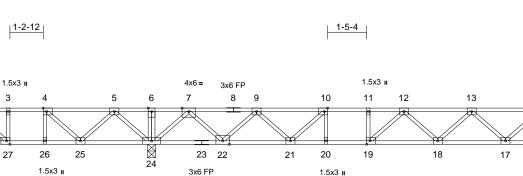
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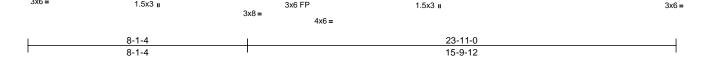
15 30

No 16

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14





Scale = 1:42.5

1-4-0

Scale = 1:42.5													
Plate Offsets ()	X, Y): [4:0-1-8,Edge],	[10:0-1-8,Edge], [19	:0-1-8,Ed	lge], [27:0-1-8,E	dge]								
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES	5/TPI2014	CSI TC BC WB Matrix-S	0.60 0.77 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 18-19 18-19 16	l/defl >999 >900 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 126 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) *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, exi Rigid ceiling directly bracing.	xcept* 23-16:2x4 SP athing directly applied cept end verticals. applied or 6-0-0 oc 24=0-3-8, 28=0-3-8 C 4) _C 7), 24=1613 (LC 1	1, 2 3 d or 4 5, 6	 Unbalanced this design. All plates are capacity of 5 of 565 psi, Jo psi. Provide mec bearing plate 28. This truss is International R802.10.2 a Recommenc 10-00-00 oc 	floor live loads h a 3x4 MT20 unlee assumed to be: 65 psi, Joint 24 3 bint 16 SP No.1 4 hanical connecti capable of with designed in accor Residential Cod nd referenced st 1 2x6 strongback and fastened to and fastened to analis. Strongback	ss otherwi Joint 28 S SP No.2 c crushing c on (by oth standing 5 ordance w le sections andard AN s, on edge each truss	se indicated. SP No.2 crush rushing capar apacity of 56 ers) of truss t iz lb uplift at j th the 2015 s R502.11.1 a ISI/TPI 1. a, spaced at s with 3-10d	ning city 5 o oint nd				weignt. 120 ib	11 = 20761, 1176L
FORCES	(lb) - Maximum Com Tension 1-28=-52/1, 15-16=- 2-3=-455/278, 3-4=- 5-6=0/1385, 6-7=0/1 9-10=-1685/0, 10-11 11-12=-2165/0, 12-1 13-14=-1345/0, 14-1	37/0, 1-2=-3/0, 455/278, 4-5=-211/57 385, 7-9=-603/73, =-2165/0, 3=-2083/0,	. I	at their outer	ends or restrain o not erect truss	ed by othe	er means.	ene					11111
BOT CHORD	27-28=-87/321, 26-2 25-26=-278/455, 24- 22-24=-355/0, 21-22	27=-278/455,	,								Arriv.	OFESS	NO THE
WEBS NOTES	6-24=-106/0, 14-16= 13-17=-699/0, 13-18 12-19=-338/155, 11- 7-24=-1372/0, 7-22= 9-22=-955/0, 10-21=	=0/998, 9-21=0/614, =-736/0, 10-20=-3/239 423/116, 2-27=-260/	0, 9,								A A A A A A A A A A A A A A A A A A A	SEA SEA 1860	ENN

January 17,2024

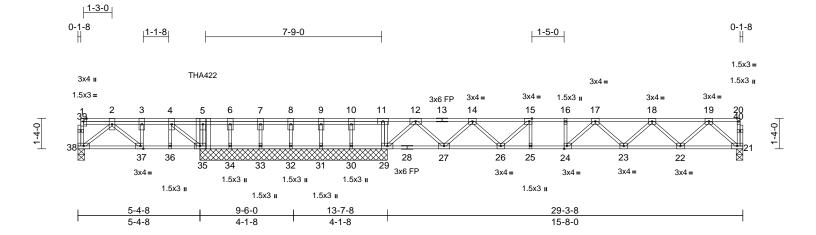


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 Science Use Component Categories (http://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	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F06	Floor Girder	1	1	Job Reference (optional)	163088440

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:56 ID:Am9wEb?_ITLkdQ5X6iuaj0zPnPh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:50.8

Plate Offsets (X, Y): [15:0-1-8,Edge], [24:0-1-8,Edge], [37:0-1-8,Edge]

Loading TCLL		(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00		CSI TC	0.61	DEFL Vert(LL)	in -0.16	(loc) 23-24	l/defl >999	L/d 480	PLATES MT20	GRIP 244/190
TCDL		40.0	Lumber DOL	1.00		BC	0.01	Vert(CT)		23-24	>848	360	WIT20	244/190
BCLL		0.0	Rep Stress Incr	NO		WB	0.45	Horz(CT)	0.03	21	n/a	n/a		
BCDL		5.0	Code	IRC201	5/TPI2014	Matrix-S							Weight: 166 lb	FT = 20%F, 11%E
UMBER OP CHORD OT CHORD /EBS THERS FRACING OP CHORD OT CHORD	2x4 SP N 2x4 SP N 2x4 SP N Structural 6-0-0 oc p	o.2(flat) o.3(flat) o.3(flat) I wood shea purlins, exc	athing directly applie cept end verticals. applied or 6-0-0 oc			5-35=-784/0, 11-29 19-22=0/756, 18-2: 17-23=-281/0, 17-2 12-29=-1314/0, 12- 14-26=0/549, 15-20 2-38=-288/153, 4-3 3-37=0/231, 4-36= 7-33=-128/0, 8-32= 10-30=-127/45	2=-724/0 24=-91/0 27=0/93 6=-599/0 5=-864/ 0/64, 6-3), 18-23=0/38 , 16-24=0/12 36, 14-27=-96 0, 15-25=0/16 70, 2-37=-357 34=-196/0,	50, ,)6/0,)8, /0,	C	Vert: 21 oncentra Vert: 5=	ted Lo		
	bracing.	ing an oonly			OTES	floor live loads hav								
		34=8-3-0, 30=-55 (Lu 21=789 (L 30=133 (L 32=147 (L	32=8-3-0, 33=8-3-0 35=8-3-0, 38=0-3-8 C 4), 38=-88 (LC 4) C 4), 29=1077 (LC C 3), 31=174 (LC 1) C 3), 33=141 (LC 3) C 1), 35=1194 (LC C 3)	2 3 1), 4), 5	 Truss to be f braced agair Gable studs All bearings capacity of 5 Provide mec 	hanical connection	one fac nt (i.e. d SP No. (by oth	e or securely iagonal web) 2 crushing ers) of truss t	0					
FORCES		imum Com	pression/Maximum			e capable of withsta uplift at joint 30.	anding 8	8 lb uplift at j	oint					
TOP CHORD	2-3=-192/ 5-6=0/840 9-10=0/84 12-14=-80 15-16=-22	′386, 3-4=-), 6-7=0/84 40, 10-11=0 07/0, 14-15 293/0, 16-1		/840, 8) This truss is International R802.10.2 ai) Recommend 10-00-00 oc (0.131" X 3")	designed in accord Residential Code : nd referenced stan 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained	sections dard AN on edge ch truss s to be	R502.11.1 a ISI/TPI 1. spaced at with 3-10d attached to w				Arrive A	OR FESS	ROCING
BOT CHORD	37-38=-1 35-36=-38 33-34=-84 30-31=-84 26-27=0/	18/224, 36- 36/192, 34- 40/0, 32-33 40/0, 29-30 1458, 25-26	37=-386/192,	9 1 0/0, 34, 2293, 1 342 1	 Use Simpson Truss) or equ truss(es) to b Fill all nail hoi In the LOAD of the truss a OAD CASE(S) 	or Live (balanced): ase=1.00	22 (6-16 om the le ord. is in cor loads ap F) or ba	d Girder, 6-1 aft end to cor ttact with lum oplied to the t ck (B).	nect ber. ace		111111	ALL DE LE CALENDER	SEA SEA 1860	E

Plate Increase=1.00 Uniform Loads (lb/ft)

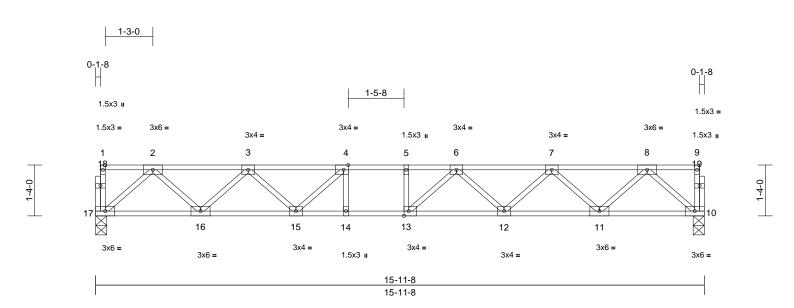
January 17,2024



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Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F07	Floor	13	1	Job Reference (optional)	163088441

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:56 ID:uFjYP8?2TaEnVSj38KyfCwzPnTY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:30.2

Plate Offsets (X, Y): [4:0-1-8,Edge], [13:0-1-8,Edge]

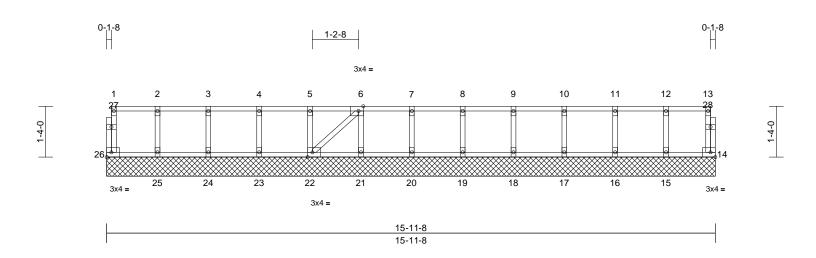
		I										
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.53	Vert(LL)	-0.17	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.23	12-13	>810	360	101120	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%F, 11%E
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	othing directly opplie	dor									
TOP CHORD	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly											
BUICHURD	bracing.	applied of 2-2-0 oc										
DEACTIONS	0	47.000										
REACTIONS		, 17=0-3-8	N N N N N N N N N N N N N N N N N N N									
	Max Grav 10=858 (I)									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-17=-40/0, 9-10=-3	, ,										
	2-3=-1538/0, 3-4=-2											
	5-6=-2773/0, 6-7=-2	444/0, 7-8=-1537/0,										
	8-9=-2/0											
BOT CHORD	16-17=0/923, 15-16											
	13-14=0/2773, 12-1	3=0/2725, 11-12=0/2	2126,									
WEDO	10-11=0/921	0/057 7 44 000/0										
WEBS	8-10=-1223/0, 8-11=		,									in the second se
	7-12=0/441, 2-17=-1										ITH UA	ROUL
	3-16=-811/0, 3-15=0		/22								1.200	·····
		187/370, 5-13=-159	/32,								FESS	0
	4-14=-83/166									55		- And -
NOTES									-		ie s'a	
	ed floor live loads have	e been considered fo	r						=		SEA	1 1 2
this design									=	:		
	s are assumed to be	SP No.2 crushing							=	:	1860)3 : :
capacity of												1 2
	is designed in accorda		ام م								N	1 3
	hal Residential Code s		nu							-	· ENIO	-cRi S
	and referenced stand									1	SX GIN	EF. AN
	nd 2x6 strongbacks, o									1	Elin	FUN
	oc and fastened to eac		alla								IL EN	E
	 3") nails. Strongbacks ter ends or restrained 		allo								in the second se	E.FOITH
	IEI EINIS UI TESUIMITEU	by other means.										~ /=
											January	/ 17,2024
											-	

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A MiTek Affil 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F08	Floor Supported Gable	1	1	Job Reference (optional)	163088442

Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:57 ID:u0JPWt0Y2Vs0cONwetaaeXzPnbH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:30.2

04 [6:0-1-8 Edge] [22:0-1-8 Edg

Plate Offsets (2	X, Y): [6:0-1-8,Edge],	[22:0-1-8,Edge]										
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.08	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		0.00	Vert(TL)	n/a	-	n/a	999	10120	244/100
BCLL	0.0	Rep Stress Incr	YES	-	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 11%E
	16=15-11 18=15-11 20=15-11 24=15-11 24=15-11 26=15-11 Max Grav 14=46 (LC 16=147 (L 20=147 (L 22=147 (L 24=146 (L 26=49 (LC	cept end verticals. applied or 10-0-0 oc -8, 15=15-11-8, -8, 17=15-11-8, -8, 21=15-11-8, -8, 23=15-11-8, -8, 23=15-11-8, -8, 25=15-11-8, -8 C 1), 15=149 (LC 1), .C 1), 17=147 (LC 1) .C 1), 21=147 (LC 1) .C 1), 21=147 (LC 1) .C 1), 25=152 (LC 1) C 1), 25=152 (LC 1) C 1)	 2) Gable requit 3) Truss to be braced again 4) Gable studs 5) All bearings capacity of 5 6) This truss is International R802.10.2 a 7) Recommend 10-00-00 oc (0.131" X 3" at their oute LOAD CASE(S) 	designed in accordar Residential Code sec Ind referenced standa 2x6 strongbacks, on and fastened to each) nails. Strongbacks t r ends or restrained by	n chorn ne fac (i.e. d P No.: nce wi ctions rd AN edge truss to be a	d bearing. e or securely iagonal web). 2 crushing ith the 2015 i R502.11.1 and ISI/TPI 1. e, spaced at s with 3-10d attached to wal					SEA 1860	ROL
FORCES	(lb) - Maximum Com Tension	pression/Maximum								22	FESS	10 AVA-
TOP CHORD	1-26=-44/0, 13-14=- 3-4=-2/0, 4-5=-2/0, 5 7-8=-2/0, 8-9=-2/0, 9 11-12=-2/0, 12-13=-3	5-6=-2/0, 6-7=-2/0, 9-10=-2/0, 10-11=-2/0							THE PARTY OF		SEA	L
BOT CHORD	25-26=0/2, 24-25=0/ 21-22=0/2, 20-21=0/		=0/2,						111 COL		1860)3
WEBS	2-25=-138/0, 3-24=- 5-22=-133/0, 6-21=-	133/0, 4-23=-134/0, 133/0, 7-20=-133/0, 133/0, 10-17=-133/0,								in the	STEVEN	
NOTES												17.0004

January 17,2024

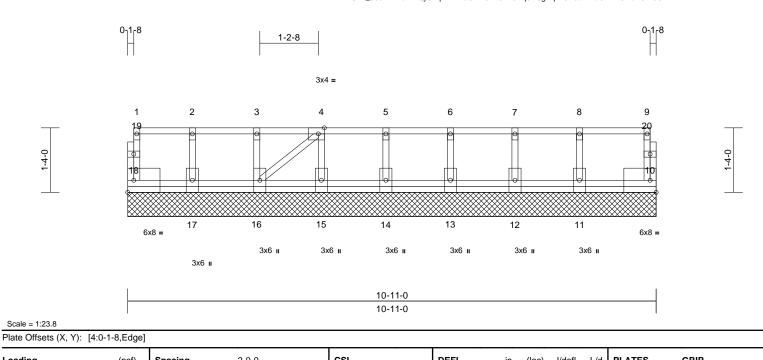
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F09	Floor Supported Gable	1	1	Job Reference (optional)	163088443
Builders FirstSource (Sumter, SC), Sumter, SC - 29153, Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10					2023 MiTek Industries, Inc. Wed Jan 17 10:42:57	Page: 1

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:57 ID:UWI_95oKkT2ovNrQy0EqnFzPnaG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



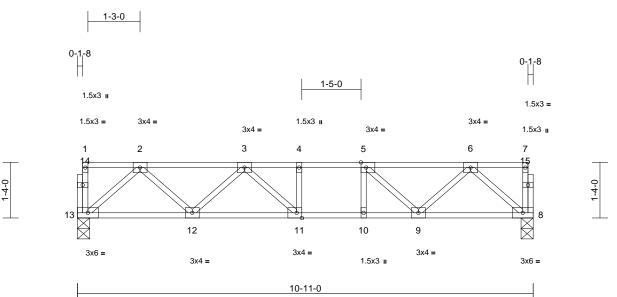
	A, f). [4.0-1-0,Euge]											
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2015/TPI2014	CSI TC BC WB Matrix-S	0.10 0.00 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 66 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, ex Rigid ceiling directly bracing. (size) 10=10-11 12=10-11 14=10-11 16=10-11 18=10-11 Max Grav 10=61 (LC 12=140 (L 14=146 (L	• applied or 10-0-0 oc -0, 11=10-11-0, -0, 13=10-11-0, -0, 15=10-11-0, -0, 17=10-11-0, -0 C 1), 11=171 (LC 1), LC 1), 13=148 (LC 1) LC 1), 17=152 (LC 1)	Internat R802.1 7) Recom 10-00-C (0.131" at their LOAD CAS	ss is designed in acc ional Residential Coc).2 and referenced si nend 2x6 strongback 0 oc and fastened to X 3") nails. Strongba outer ends or restrair E(S) Standard	de sections tandard AN ks, on edge each truss acks to be	R502.11.1 an ISI/TPI 1. s, spaced at s with 3-10d attached to wa						
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD	1-18=-44/0, 9-10=-5 3-4=-2/0, 4-5=-3/0, 5 7-8=-3/0, 8-9=-3/0	5-6=-3/0, 6-7=-3/0,	,							and a	OB EESS	ROUT
BOT CHORD WEBS	17-18=0/2, 16-17=0, 13-14=0/3, 12-13=0, 2-17=-138/0, 3-16=- 5-14=-133/0, 6-13=- 8-11=-155/0, 4-16=-	/3, 11-12=0/3, 10-11 133/0, 4-15=-133/0, 135/0, 7-12=-127/0,								1	SEA	L
 Gable required Truss to be braced again Gable study 	are 1.5x3 MT20 unless uires continuous botto e fully sheathed from c ainst lateral movemen ds spaced at 1-4-0 oc. gs are assumed to be s	s otherwise indicated m chord bearing. one face or securely t (i.e. diagonal web).							1100 C	ALL	SEA 1860 January	EER

818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F10	Floor	5	1	Job Reference (optional)	163088444

Run: 8.63 S Nov 1 2023 Print: 8.630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:57 ID:8NWNpqMAvbrGRRMGeh3cexzPnZY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



10-11-0

Scale = 1:27.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.07	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.09	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%F, 11%E
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	eathing directly appli	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly	Rigid ceiling directly applied or 10-0-0 oc										
	bracing.											
REACTIONS	(size) 8=0-3-8.	13=0-3-8										

 Max Grav
 8=580 (LC 1), 13=580 (LC 1)

 FORCES
 (lb) - Maximum Compression/Maximum Tension

 TOP CHORD
 1-13=-36/0, 7-8=-36/0, 1-2=-2/0, 2-3=-938/0, 3-4=-1267/0, 4-5=-1267/0, 5-6=-934/0, 6-7=-2/0

 BOT CHORD
 12-13=0/612, 11-12=0/1225, 10-11=0/1267, 9-10=0/1267, 8-9=0/607

WEBS 2-13=-812/0, 2-12=0/454, 3-12=-400/0, 6-8=-805/0, 6-9=0/455, 5-9=-460/0, 3-11=-86/249, 4-11=-109/0, 5-10=-45/116

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) 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.

LOAD CASE(S) Standard



Page: 1

January 17,2024

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F11	Floor	2	1	Job Reference (optional)	163088445

0-1-8

1-4-0

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

BRACING

FORCES

WEBS

NOTES

2)

3)

4)

LUMBER

1-3-0

Run: 8.63 S. Nov. 1.2023 Print: 8.630 S.Nov. 1.2023 MiTek Industries. Inc. Wed Jan 17 10:42:57 ID:_E9vI0UaSg1IYUp5yeDun3zPnWo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

0-10-4 1-4-12 1.5x3 u 1.5x3 = 1.5x3 II 1.5x3 u 2 3 4 5 6 7 8 9 10 11 22 f 21 X 20 19 18 17 16 14 13 \bowtie 15 3x6 = 3x6 = 1.5x3 🛛 3x6 FP 1.5x3 🛚 3x6 = 10-9-4 16-0-0 10-9-4 5-2-12 Scale = 1:30.3 Plate Offsets (X, Y): [5:0-1-8,Edge], [8:0-1-8,Edge], [13:0-1-8,Edge], [18:0-1-8,Edge] Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRIP (psf) 40.0 Plate Grip DOL 1.00 тс 0.38 Vert(LL) -0.07 18-20 >999 480 MT20 244/190 10.0 Lumber DOL 1.00 BC 0.57 Vert(CT) -0.09 18-20 >999 360 Rep Stress Incr YES WB Horz(CT) 0.02 0.0 0.24 12 n/a n/a Code IRC2015/TPI2014 Matrix-S Weight: 88 lb FT = 20%F, 11%E 5.0 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and TOP CHORD 2x4 SP No.2(flat) R802.10.2 and referenced standard ANSI/TPI 1. 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.3(flat) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 2x4 SP No.3(flat) (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. TOP CHORD Structural wood sheathing directly applied or 7) CAUTION, Do not erect truss backwards. 6-0-0 oc purlins, except end verticals. LOAD CASE(S) Standard BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. **REACTIONS** (size) 12= Mechanical, 15=0-3-8, 21=0-3-8 Max Grav 12=277 (LC 7), 15=958 (LC 1), 21=555 (LC 10) (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-21=-36/0, 11-12=-51/0, 1-2=-2/0, 2-3=-884/0, 3-4=-1141/0, 4-5=-1141/0, 5-6=-768/0, 6-7=0/316, 7-8=0/316, 8-9=-268/99, 9-10=-268/99, 10-11=0/0 BOT CHORD 20-21=0/583, 18-20=0/1142, 17-18=0/1141, and the second s 16-17=0/1141, 15-16=0/415, 14-15=-99/268, 13-14=-99/268, 12-13=-16/239 NOR 7-15=-104/0, 2-21=-773/0, 2-20=0/419, 3-20=-359/0, 3-18=-91/165, 4-18=-75/1, The second se 6-15=-845/0, 6-16=0/510, 5-16=-537/0, 5-17=-14/119, 8-15=-521/0, 10-12=-318/21, 10-13=-113/40, 9-13=-34/60, 8-14=0/89 SEAL 1) Unbalanced floor live loads have been considered for 18603 this design. All plates are 3x4 MT20 unless otherwise indicated. Bearings are assumed to be: Joint 21 SP No.2 crushing capacity of 565 psi, Joint 15 SP No.2 crushing capacity of 565 psi. \cap Refer to girder(s) for truss to truss connections. EN January 17,2024 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 bucking 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	Furr, Mayview - Elev. C, 4 Shady Grove	
3822902	F12	Floor	1	1	Job Reference (optional)	163088446

1-4-0

TCLL

TCDL

BCLL

BCDL

WEBS

BOT CHORD

WEBS

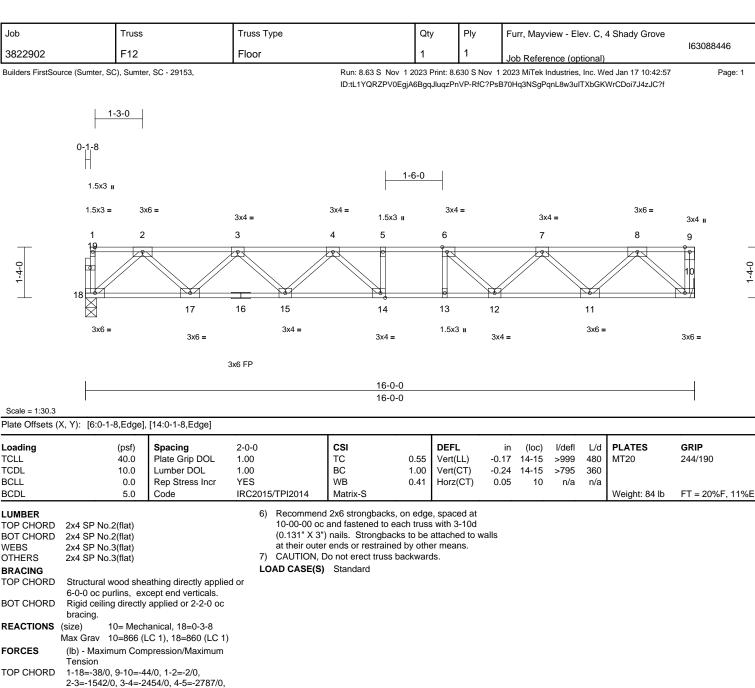
NOTES

this design.

1)

2)

3)



capacity of 565 psi. Refer to girder(s) for truss to truss connections 4)

8-9=0/0

10-11=0/926

6-13=-83/168

- This truss is designed in accordance with the 2015 5)
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Unbalanced floor live loads have been considered for

All plates are 3x4 MT20 unless otherwise indicated.

Bearings are assumed to be: Joint 18 SP No.2 crushing

5-6=-2787/0, 6-7=-2449/0, 7-8=-1543/0,

2-18=-1227/0. 2-17=0/860. 3-17=-823/0. 3-15=0/445, 4-15=-394/0, 4-14=-185/376,

5-14=-163/30 8-10=-1233/0 8-11=0/859 7-11=-813/0, 7-12=0/487, 6-12=-586/0,

17-18=0/924, 15-17=0/2134, 14-15=0/2737, 13-14=0/2787, 12-13=0/2787, 11-12=0/2128,

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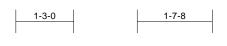
January 17,2024

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Job	Truss	Truss Type	Qty	Ply	Furr, Mayview - Elev. C, 4 Shady Grove			
3822902	F13	Floor Girder	1 1 Job Referenc		Job Reference (optional)	163088447		

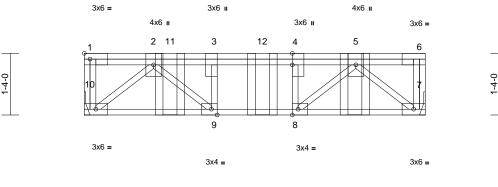
Run: 8,63 S Nov 1 2023 Print: 8,630 S Nov 1 2023 MiTek Industries, Inc. Wed Jan 17 10:42:58 ID:?7rujiwDRE0PKnPyQ8sn69zPnUx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

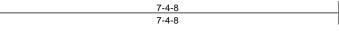
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THA422

THA422 THA422





Scale = 1:24.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge]

Loading (psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00		TC	0.36	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00		BC	0.55	Vert(CT)	-0.05	7-8	>999	360		
		NO		WB	0.44	. ,		7				
BCDL 5.0	Code	IRC2015/1	FPI2014	Matrix-S		- (-)					Weight: 51 lb	FT = 20%F, 11%E
BCLL 0.0 BCDL 5.0 LUMBER TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood sheat 6-0-0 oc purlins, ext BOT CHORD Rigid ceiling directly bracing. REACTIONS BOT CHORD (size) 7 = Mecha Max Grav 7=1231 (L FORCES (lb) - Maximum Comm Tension TOP CHORD TOP CHORD 1-10=-71/0, 6-7=-73/ 3-4=-1491/0, 4-5=-11 BOT CHORD BOT CHORD 9-10=0/909, 8-9=0/1 WEBS S-7=1780/0, 2-9=0/5 3-9=-559/0, 4-8=-193 NOTES NOTES Source	Rep Stress Incr Code athing directly applied cept end verticals. applied or 10-0-0 oc nical, 10= Mechanica C 4), 10=831 (LC 3) pression/Maximum 0, 1-2=0/0, 2-3=-149 491/0, 5-6=0/0 491, 7-8=0/1367 224, 5-8=0/315, 7/0, 2-10=-1183/0	NO IRC2015/T 1) d or al	Dead + Floo Plate Increa Uniform Loa Vert: 7-10 Concentrate	WB Matrix-S or Live (balanced): sse=1.00	0.44 Lumbe	Horz(CT)	0.01	7	n/a	n/a		
 Unbalanced floor live loads have this design. Refer to girder(s) for truss to trus This truss is designed in accorda International Residential Code se R802.10.2 and referenced stand. Recommend 2x6 strongbacks, on 10-00-00 oc and fastened to eac (0.131" X 3") nails. Strongbacks at their outer ends or restrained flicts Use Simpson Strong-Tie THA42: Truss) or equivalent spaced at 2- 1-10-4 from the left end to 5-10-4 back face of top chord. Fill all nail holes where hanger is In the LOAD CASE(S) section, Ic of the truss are noted as front (F) LOAD CASE(S) Standard 	s connections. Ince with the 2015 actions R502.11.1 an ard ANSI/TPI 1. In edge, spaced at h truss with 3-10d to be attached to wa by other means. 2 (6-16d Girder, 6-10 0-0 oc max. starting to connect truss(es) in contact with lumb- bads applied to the fa	d lls d at to er.								and a second second	SEA SEA SEA SEA SEA SEA	E

January 17,2024

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