

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

RE	4493329 -	White	Oak Homes,	Charleston	2
	1100020	V VI IIICO	oun rionico,	Onuncotori	~

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:Project Customer: WHITE OAK HOMESProject Name:Lot/Block: 5Subdivision: CAMERON HILL RDAddress:State: NC

 Name Address and License # of Structural Engineer of Record, If there is one, for the building.

 Name:
 License #:

 Address:
 State:

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

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Wind Speed: 130 mph Roof Load: 40.0 psf Design Program: MiTek 20/20 8.8 Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-10

Floor Load: N/A psf

This package includes 8 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Job ID#	Truss N	lame Date
1	172038229	4493329	F01	3/14/25
2	172038230	4493329	F02	3/14/25
3	172038231	4493329	F03	3/14/25
4	172038232	4493329	F04	3/14/25
5	172038233	4493329	F05	3/14/25
6		4493329	F06	3/14/25
7	172038235	4493329	F07	3/14/25
8	172038236	4493329	F08	3/14/25

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: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2025

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.



Gilbert, Eric

March 14,2025

Gilbert,



RE: \$JOBNAME - \$JOBDESC

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: \$SI_CUSTOMER Project Name: \$SI_JOBNAME Lot/Block: \$SI_LOTNUM Subdivision: \$SI_SUBDIV Address: \$SI_SITEADDR City, County: \$SI_SITECITY State: \$SI_SITESTATE



RE: \$JOBNAME - \$JOBDESC

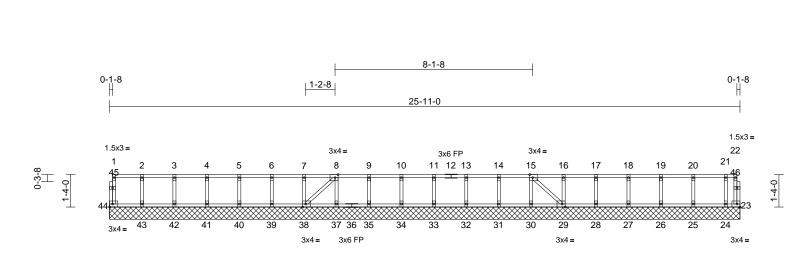
Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: \$SI_CUSTOMER Project Name: \$SI_JOBNAME Lot/Block: \$SI_LOTNUM Subdivision: \$SI_SUBDIV Address: \$SI_SITEADDR City, County: \$SI_SITECITY State: \$SI_SITESTATE

Job	Truss	Truss Type	Qty	Ply	White Oak Homes, Charleston 2	
4493329	F01	Floor Supported Gable	1	1	Job Reference (optional)	172038229

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:32 ID:MtcTcIIPC_VUR7qhOI?Q_VzcHmi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:47.4

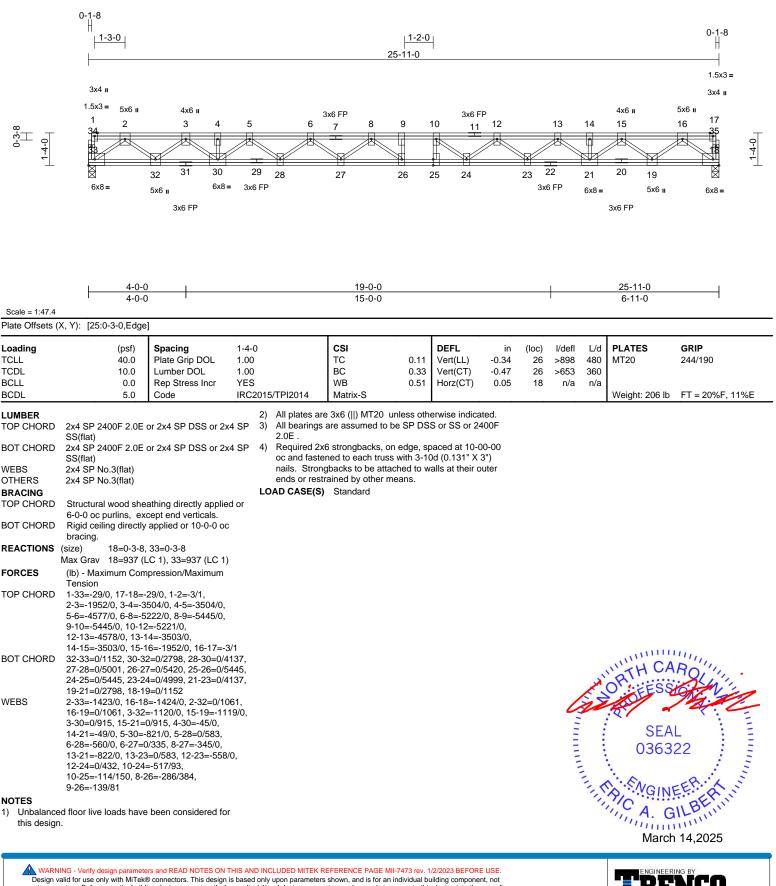
I ¹		(- n	0					DEE		4	1/2 0			
oading		(psf)	Spacing	1-4-0 1.00		CSI TC	0.05	DEFL Vert(LL)	in n/a	(loc)	l/defl	L/d 999	PLATES	GRIP
CLL CDL		40.0	Plate Grip DOL Lumber DOL	1.00		BC	0.05	Vert(LL)	n/a		n/a	999 999	MT20	244/190
CLL		10.0 0.0	Rep Stress Incr	YES		WB	0.01 0.02	Horiz(TL)	n/a 0.00	- 29	n/a n/a	999 n/a		
		0.0 5.0	Code		15/TPI2014	Matrix-S	0.02	HONZ(IL)	0.00	29	n/a	n/a	Mainht 110 lb	
CDL		5.0	Code	IRC20	15/1912014	Matrix-5	-						weight: 118 lb	FT = 20%F, 11%
UMBER				٦	FOP CHORD	1-44=-29/0, 22	,	,	2/0,					
OP CHORD	2x4 SP N					3-4=-2/0, 4-5=								
OT CHORD	2x4 SP N	· · ·				7-8=-2/0, 8-9=	,	,	/0,					
/EBS	2x4 SP N					11-13=-8/0, 13	,	,	0.010					
THERS	2x4 SP N	lo.3(flat)				15-16=0/0, 16	,	,	9=0/0,					
RACING						19-20=0/0, 20	,		1 0/0					
OP CHORD			athing directly applied	dor ^r	BOT CHORD	43-44=0/2, 42 39-40=0/2, 38								
			cept end verticals.			34-35=0/8, 33								
OT CHORD			applied or 10-0-0 oc			30-31=0/8, 29								
	bracing,					26-27=0/0, 25								
	6-0-0 oc			\	VEBS	2-43=-92/0, 3-								
	,		25-26,24-25,23-24.			5-40=-89/0.6	,	,						
EACTIONS	(size)		-0, 24=25-11-0,			8-37=-83/0, 9-	35=-89/0, 10	-34=-89/0,						
			-0, 26=25-11-0, -0, 28=25-11-0,			11-33=-89/0,	13-32=-89/0,	14-31=-89/0	,					
			-0, 28=25-11-0, -0, 30=25-11-0,			15-30=-82/0,								
			-0, 32=25-11-0,			18-27=-89/0,			,					
			-0, 34=25-11-0,			21-24=-73/0,8	3-38=-8/0, 15	-29=-11/0						
			-0, 37=25-11-0,	1	NOTES									
			-0, 39=25-11-0,	1	 All plates a 	re 1.5x3 () MT	20 unless of	therwise						
			-0, 41=25-11-0,		indicated.									
			-0, 43=25-11-0,	2		iires continuous								
		44=25-11	-0	3		e fully sheathed							minin	1111
	Max Uplift	23=-5 (LC	2 1)			ainst lateral mov		iagonal web)					W'TH CA	Rollin
	Max Grav	23=-5 (LC	C 1), 24=81 (LC 1),			s spaced at 1-4		_				1	R	Alle
			_C 1), 26=97 (LC 1),			s are assumed						15	O'. FESS	1 Start
			C 1), 28=98 (LC 1),	E		chanical conne						ès	OPTH CA	a. Ti
			_C 1), 30=91 (LC 1),		01	ite capable of w	ithstanding 5	b ib uplift at jo	lint				:2	
			C 1), 32=98 (LC 1), 3		23. 7) Recomme	nd 2x6 strongba	oko on odao	oncord of					OF A	
			I=98 (LC 1), 35=98 (L	.0		c and fastened					=		SEA	L :
			(LC 1), 38=103 (LC			") nails. Strong			alle			:	0363	22 :
			C 1), 40=98 (LC 1), 4			er ends or restr			ans		-			: :
		(LC 1), 42 1), 44=32	2=97 (LC 1), 43=101		OAD CASE(S							2	(s)	1 1
	(16) 14		. ,									2. 1	SEA 0363	CRIL S
ORCES	· · /	umum Com	pression/Maximum									20	S. GINI	EF. AN
	Tension											11	/C	BEIN
													A. G	ILLIN

March 14,2025

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	White Oak Homes, Charleston 2	
4493329	F02	Floor	16	1	Job Reference (optional)	172038230

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:33 ID:U7QrnIL2qjJeiQVBdnq61Mzcl5J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



besign value for date only with with with with exercited s. This design is based only door parameters shown, and is for an individual using component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality** Criteria 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)

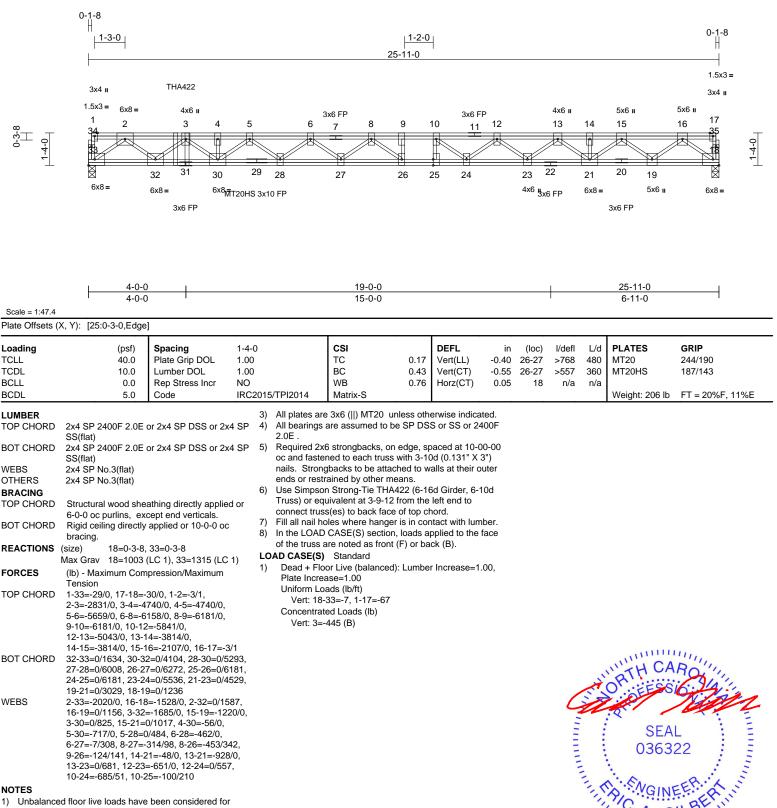


Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	White Oak Homes, Charleston 2	
4493329	F03	Floor Girder	1	1	Job Reference (optional)	172038231

Run: 8 83 S. Mar 11 2025 Print: 8 830 S. Mar 11 2025 MiTek Industries. Inc. Fri Mar 14 08:20:34 ID:U7QrnIL2qjJeiQVBdnq61Mzcl5J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



1) this design.

All plates are MT20 plates unless otherwise indicated. 2)

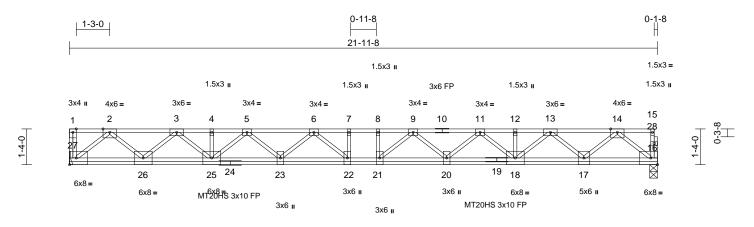
G

mmm March 14,2025

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 bilding 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	White Oak Homes, Charleston 2	
4493329	F04	Floor	1	1	Job Reference (optional)	172038232

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:34 ID:8dRCV5GvsMQtNoIVq9?5S4zcHrw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



	L	6-0-0				21-11-8						
Scale = 1:43	I	6-0-0	I			15-11-8					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	TC	0.46	Vert(LL)		21-22	>731	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.49	21-22	>531	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.04	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TP	I2014 Matrix-S							Weight: 146 lb	FT = 20%F, 11%E
LUMBER			5) Re	commend 2x6 strongback	ks, on edge	, spaced at						
TOP CHORD	2x4 SP 2400F 2.0E SS(flat)	or 2x4 SP DSS or 2		-00-00 oc and fastened to 131" X 3") nails. Strongba			valls					
BOT CHORD	2x4 SP 2400F 2.0E	or 2x4 SP DSS or 2	4 SP at	their outer ends or restrain	ned by othe	er means.						
WEBS	SS(flat) 2x4 SP No.3(flat)		,	UTION, Do not erect trus	s backward	IS.						
OTHERS	2x4 SP No.3(flat) 2x4 SP No.3(flat)		LOAD	CASE(S) Standard								
BRACING	2x4 01 100.0(nat)											
TOP CHORD	Structural wood she	athing directly applie	ed or									
	5-10-12 oc purlins,											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	;									
	bracing.											
	()	27= Mechanical										
	Max Grav 16=1191		: 1)									
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	Tension 1-27=-39/0, 15-16=-	25/0 4 2 0/0										
IOP CHORD	2-3=-2350/0, 3-4=-4	, ,										
	5-6=-5100/0, 6-7=-5											
	8-9=-5562/0, 9-11=-		5/0									
	12-13=-4025/0, 13-1	,	,									
BOT CHORD	26-27=0/1358, 25-20											
	22-23=0/5449, 21-22											
	18-20=0/4694, 17-18	8=0/3271, 16-17=0/1	378								WHTH CA	1111.
WEBS	2-27=-1768/0, 14-16	6=-1743/0, 2-26=0/13	345,								IN'LY CA	ROUL
	14-17=0/1256, 3-26									1	21	
	3-25=0/991, 13-18=								/	S.	On ASS	the Ala
	11-18=-888/0, 11-20	,	,						4		10 11	Mar 1
	9-21=-225/512, 8-21		,								:4	- K. /.
	5-25=-878/0, 5-23=0	, ,							-		054	1 5
	6-22=-234/503, 7-22	2=-133/0							=		SEA	L <u>:</u> E
NOTES									Ξ		0363	22 E
 Unbalance 	ed floor live loads have	e been considered fo	r							5 S	. 0000	

 Unbalanced floor live loads have been considered f this design.

 All plates are MT20 plates unless otherwise indicated.
 Bearings are assumed to be: , Joint 16 SP DSS or SS or 2400F 2.0E .

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

SEAL 036322 March 14,2025

Page: 1

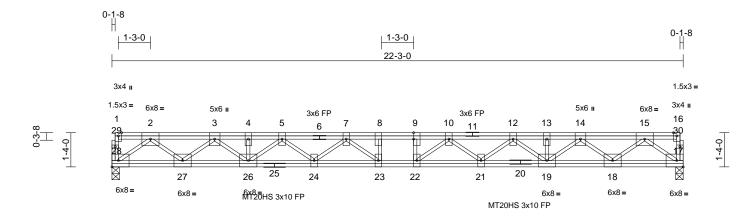
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	White Oak Homes, Charleston 2	
4493329	F05	Floor	10	1	Job Reference (optional)	172038233

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:34 ID:2DA_zPPtRrhM3XF8?bmlulzcHvc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	6-4-0	22-3-0	
	6-4-0	15-11-0	
Scale = 1:44.9			

Plate Offsets (X, Y): [9:0-3-0,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		тс	0.13	Vert(LL)	-0.28		>930	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.35	Vert(CT)	-0.39		>677	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES		WB	0.62	Horz(CT)	0.04	17	n/a	n/a		
BCDL	5.0	Code	IRC201	5/TPI2014	Matrix-S							Weight: 177 lb	FT = 20%F, 11%E
LUMBER			4) All bearings	are assumed to	be SP DS	S or SS or 24	100F					
TOP CHORD	2x4 SP 2400F 2.0E	or 2x4 SP DSS or 2x	4 SP	2.0E .									
	SS(flat)		5)		2x6 strongback								
BOT CHORD		or 2x4 SP DSS or 2x	4 SP		and fastened to								
	SS(flat)				nails. Strongba			valis					
WEBS OTHERS	2x4 SP No.3(flat) 2x4 SP No.3(flat)			OAD CASE(S)			er means.						
	2x4 SP No.3(IIat)		L	UAD CASE(S)	Standard								
BRACING TOP CHORD	Structured wood abo	athing directly applie	dor										
IOP CHORD	6-0-0 oc purlins, ex		a or										
BOT CHORD		applied or 10-0-0 oc											
	bracing.		,										
REACTIONS	U	, 28=0-3-8											
	Max Grav 17=1203	(LC 1), 28=1203 (LC	1)										
FORCES	(lb) - Maximum Con	npression/Maximum											
	Tension												
TOP CHORD	1-28=-42/0, 16-17=-												
	2-3=-2456/0, 3-4=-4												
	,	5991/0, 8-9=-5991/0,											
	9-10=-5991/0, 10-12 12-13=-4310/0, 13-1	,											
	14-15=-2456/0, 15-												
BOT CHORD	,	7=0/3494, 24-26=0/5	024									munn	1111
	,	3=0/5991, 21-22=0/5	,									WH CA	ROUN
	,	9=0/3494, 17-18=0/1	,								1	2	Cit.
WEBS	2-28=-1818/0, 15-17	7=-1818/0, 2-27=0/13	306,								E.	OFESO	Bi Vi
	15-18=0/1306, 3-27	=-1374/0, 14-18=-13	74/0,								71	· · · · ·	1911
		=0/1058, 13-19=-67/										:0	
		1=0/560, 4-26=-67/0,										SEA	1 1 2
	5-26=-926/0, 5-24=0	, ,									:	SEA	• –
	7-23=-247/598, 10-2		-0/00							1	:	0363	22 : =
	10-22=-247/598, 9-2	22=-258/68, 8-23=-25	00/00								1		1 5
NOTES	ad flana a Bira da a da d	. k	_								-	1. A.	- 1 E
,	ed floor live loads have	e been considered to	r								2.0	N.SNOW	EFR. X S
this design	n. are MT20 plates unles	e otherwise indicator	4								1	PL	E. CAN
	are 3x6 () MT20 unle										1	March	ILBEN
., / iii piates c												1111.0	in in the second s
													14 2025



March 14,2025

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 Stability and proposed to component development description. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	White Oak Homes, Charleston 2	
4493329	F06	Floor Supported Gable	1	1	Job Reference (optional)	172038234

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:35 ID:luKmACSVzsFbe4ifdvfOWKzcHie-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x4 =

Page: 1

0-3-8

1-4-0

3x4 =

6-9-8 0-1-8 1-2-8 Н 25-7-8 1.5x3 = 3x4 = 3x4 II 3x4 = 3x6 FP 21 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 4 1 43 • 1-4-0 2 37 32 40 39 38 36 35 33 31 30 29 28 26 25 23 41 27 24

34

3x6 FP

3x4 =

Scale = 1:46.8

3x4 u

Plate Offsets (X, Y): [8:0-1-8,Edge], [14:0-1-8,Edge], [28:0-1-8,Edge], [36:0-1-8,Edge], [42: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	15/TPI2014	CSI TC BC WB Matrix-S	0.10 0.01 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 22	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 116 lb	GRIP 244/190 FT = 20%F, 1	1%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	25=25-7-{ 28=25-7-{ 35=25-7-{ 35=25-7-{ 38=25-7-{ 41=25-7-{ 41=25-7-{ 22=63 (LC 24=139 (L 26=146 (L 26=146 (L 30=147 (L 30=147 (L 35=135 (L 35=135 (L 35=137 (L 35=137 (L 35=137 (L) 35=137	cept end verticals. applied or 10-00 oc 3, 23=25-7-8, 24=25- 3, 26=25-7-8, 27=25- 3, 32=25-7-8, 30=25- 3, 32=25-7-8, 33=25- 3, 39=25-7-8, 33=25- 3, 39=25-7-8, 40=25- 3, 42=25-7-8 C 1), 23=175 (LC 1), C 1), 25=149 (LC 1) C 1), 27=147 (LC 1) C 1), 23=138 (LC 1) C 1), 33=147 (LC 1) C 1), 33=147 (LC 1) C 1), 33=147 (LC 1) C 1), 33=147 (LC 1) C 1), 38=147 (LC 1) C 1), 40=145 (LC 1) C 1), 40=145 (LC 1) D 1), 40=252 (LC 1) pression/Maximum 58/0, 1-2=0/0, 2-3=0	d or V -7-8, -7-8, N -7-8, N -7-8, N -7-8, N -7-8, 1 -7-8, 2 -7-8, 2 -7-8, 1 -7-8, 2 -7-8, 1 -7-8, 1	VEBS VOTES VOTES VOTES VGBUE ADDE ADDE ADDE ADDE ADDE ADDE ADDE AD	41-42=0/0, 40-41= 37-38=0/0, 36-37- 33-35=0/13, 32-33 30-31=0/13, 29-33 27-28=0/3, 26-27= 23-24=0/3, 22-23= 2-41=-142/0, 3-40 5-38=-133/0, 6-37 8-35=-122/0, 9-33 11-31=-133/0, 13- 15-28=-133/0, 13- 15-28=-133/0, 19- 8-36=-18/0, 14-28 re 1.5x3 () MT20 res continuous bot fully sheathed from inst lateral movements a spaced at 1-4-0 of a read sum-4 to b d 2x6 strongbacks c and fastened to e ") nails. Strongbacks c and fastened to e	=0/0, 35- =0/13, 32 =0/13, 32 =0/3, 25- =0/3 =-132/0, =-132/0, =-133/0, =-133/0, =-133/0, =-133/0, =-133/0, =-133/0, =-133/0, =-132/0, =-133/0, =-132/0, =-14/0 unless o =-0,	36=0/13, 11-32=0/13, 18-29=0/13, 26=0/3, 24-25: 4-39=-134/0, 7-36=-133/0, 10-32=-133/0, 10, 14-29=-124 /0, 17-26=-133 /0, 20-23=-158 therwise d bearing. therwise d bearing. therwise d bearing. 2 . a, spaced at s with 3-10d attached to wa er means.	=0/3, 4/0, 3/0, 3/0,				SEA 0363		M. M. M.
	8-9=-13/0, 9-10=-13 11-13=-13/0, 13-14= 15-16=-3/0, 16-17=- 18-19=-3/0, 19-20=-	-13/0, 14-15=-3/0, 3/0, 17-18=-3/0,								1112.	A MARINE AND AND A MARINE AND AND A MARINE AND A MARINE AND	A. G.	ERRA	unn.

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)

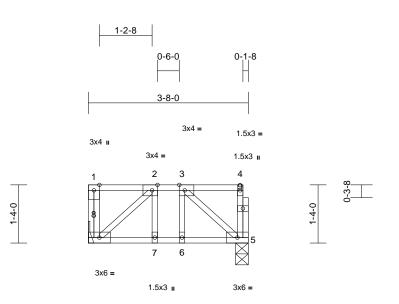


Job	Truss	s Truss Type Qty PI		Ply	White Oak Homes, Charleston 2			
4493329	F07	Floor	6	1	Job Reference (optional)	172038235		

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:35 ID:OC2IhJb18Ymu4wdzKQtC0szcHiS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



1.5x3 u

Scale = 1:26.4

Plate Offsets (X, Y):	[2:0-1-8,Edge],	[3:0-1-8,Edge]					
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loo
TCLL	40.0	Plate Grip DOL	1.00	TC	Vert(LL)	0.00	7-

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	0.12	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 25 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)											

BRACING								
TOP CHORD	Structural wood sheathing directly applied or							
	3-8-0 oc purlins, except end verticals.							
BOT CHORD Rigid ceiling directly applied or 10-0-0 or								
	bracing.							
REACTIONS	(size) 5=0-3-8, 8= Mechanical							
	Max Grav 5=182 (LC 1), 8=188 (LC 1)							
FORCES	(lb) - Maximum Compression/Maximum							
	Tension							
TOP CHORD	1-8=-63/0, 4-5=-61/0, 1-2=0/0, 2-3=-140/0,							
	3-4=-3/0							
BOT CHORD	7-8=0/140, 6-7=0/140, 5-6=0/140							
WEBS	2-8=-186/0, 3-5=-182/0, 2-7=-18/37,							
	3-6=-16/40							

NOTES

- Unbalanced floor live loads have been considered for 1) this design.
- Bearings are assumed to be: , Joint 5 SP $\ensuremath{\mathsf{No.2}}$. 2)
- 3) Refer to girder(s) for truss to truss connections.
- 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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

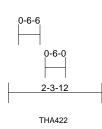


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	White Oak Homes, Charleston 2	
4493329	F08	Floor Girder	1	1	Job Reference (optional)	172038236

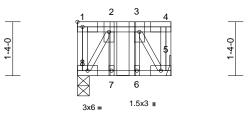
Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Fri Mar 14 08:20:35 ID:LX_LmEH5DsnYl3qMwyzU2azcHo1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3x6 ш 3x6 =





3x6 = 1.5x3 u

Scale = 1:28.5

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)



March 14,2025

