





SECOND FLOOR SCALE: 1/4" = 1'0"

1273 S/F ON SECOND FLOOR STAIRS AND OPEN FOYER NOT INCLUDED

UBDIVISION OT NO. OTES.















baco luster

ceiling light 08

ceiling light 17

outlet

outlet 220v

outlet gfi

outlet wp

switch

HOUSEHOLD FIRE ALARMS SYSTEMS INSTALLED IN ACCORDANCE WITH BOTH INTERNATIONAL AND LOCAL BUILDING CODES IN THE FOLLOWING LOCATIONS.

1. IN EACH SLEEPING ROOM

2. OUTSIDE EACH SEPARATE SLEEPING ARAS IN THE IMMEDIATE VICINITY OF BEDROOMS AND WIRED TOGETHER IN SUCH A MANNER THAT WHEN ONE IS ACTIVATED ALL SHELL ACTIVATE



SCALE: 1/4" = 1'0"

			REL AND A	ATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS RE IN SUBSTANIAL COMFORMITY WITH THE INTERNATIONAL BUILDING CODE COUNCIL(2016 N.C. BUILDING CODE).
SCALE: AS NOTED	SUBDIVISION		DESIGNED BY	
DATE: MAR. 2017	LOT NO.	THOMPSON HOME BUILDERS LLC	GCP DESIGNS	
	NOTES.	NORTH CAROLINA	HOPE MILLS, NORTH CAROLINA	TB_22/1/_D
DRAWN BY: CGP			WWW. MYWAY.COM	

ELECTRI	CAL LEG	END
ELECTRICAL	COUNT	SYMBOL
ceiling fan spotlights 01	4	
can light 6inch	1	0
ceiling dish round	9	\bigcirc
fluorescent light 2 x 4	1	
fan	3	#
outlet	23	Ф
outlet gfi	3	dos⊓
switch	25	\$
italian sconce 01	2	\bigcirc
vanity bar light 01	2	<u></u>





- RATED @ 78,100 BTU HEATING AND
- 47,000 BTU COOLING PLUS 15 KW AUX, HEAT

D BEARING WALLS	TWO STORY:	2 PLY 2X6 3'7" MAX	2 PLY 2X8 4'6" MAX	2 PLY 2X10 6'2" MAX	3EARING WALLS OSB BETWEEN ALL HEADER PLIES DITIONAL HEADER AND GIRDER SPANS
HEADER SPANS FOR LOA	SINGLE STORY:	2 PLY 2X6 4'2" MAX	2 PLY 2X8 5'4" MAX	2 PLY 2X10 7'6" MAX	2 - PLY 2X6 HEADER FOR ALL NON LOAD REFER TO IRC R502.5 (1) AND (2) FOR AE

HINGE REVERSED COUNT

NO

NO

NO

NO

NO

NO

NO

NO

NO

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2

1

2

1

1

2

TB-2244-R	HOPE MILLS, NORTH CAROLINA WWW MYWAY COM	NORTH CAROLINA
THE BELLAGRACE	GCP DESIGNED BY	PSON HOME BUILDERS LLC
I DO HEARBY CERTIFY THAT THIS DRAWING AND ATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS RE IN SUBSTANIAL COMFORMITY WITH THE INTERNATIONAL BUILDING CODE COUNCIL(2016 N.C. BUILDING CODE).	REL AND AI	

THOM

AS NOTED

CGP

AWN BY:



OPENING SCHEDULE									
PRODUCT CODE	SIZE	HINGE	REVERSED	COUNT					
18X80 COLONIAL A 1-MODIFIED	2'-4"	L	NO	1					
24X80 COLONIAL A 1-MODIFIED	2'-4"	R	NO	1					
28X80 COLONIAL A 1	2'-4"	R	NO	2					
30X80 COLONIAL A 1-MODIFIED	2'-4"	L	NO	1					
30X80 COLONIAL A 1	2'-6"	L	NO	2					
30X80 COLONIAL A 1	2'-6"	R	NO	2					
48X80 COLONIAL A 2-MODIFIED	4'-0"	LR	NO	1					
48X80 COLONIAL A 2-MODIFIED	5'-0"	LR	NO	1					
48X80 COLONIAL A 2	4'-0"	LR	NO	2					
18X24 CASEMENT 1-MODIFIED	4'-0" x 2'-0"	NN	NA	1					
18X24 DOUBLE HUNG 1-MODIFIED	2'-5" x 5'-0"	N	NA	1					
18X24 DOUBLE HUNG 1-MODIFIED	2'-8" x 4'-0"	N	NA	2					
18X24 DOUBLE HUNG 1-MODIFIED	2'-8" x 5'-0"	N	NA	2					
18X24 DOUBLE HUNG 1-MODIFIED	5'-4" x 5'-0"	NN	NA	2					

1273 S/F ON SECOND FLOOR STAIRS AND OPEN FOYER NOT INCLUDED

			IA UNA .	RE IN SUBSTANIAL COMFORMITY WITH THE INTERNATIONAL BUILDING CODE COUNCIL(2016 N.C. BUILDING CODE).
SUBDIN	NOISION		DESIGNED BY	THF BFI AGRACE
LOT N(40.	<u>I HOIMPSON HOME BUILDERS LLC</u>	GCP DESIGNS	
NOTES	<u>:S.</u>	NORTH CAROLINA	HOPE MILLS, NORTH CAROLINA	TR-7744-D
			WWW. MYWAY.COM	



2

2

1-3/4" x 16" LVL

22' 0"

GDH1

Qty

FLOOR TRUSS NOTES:

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAM. TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. Espanol (NO CORTE, PERFORE, HAGA MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHA DE MADERA). Contacte a su representante de BFS p asistencia ANTES de realizar cualquier modification. 1. This Truss Placement Diagram is intended to serv as a guide for truss installation. This Diagram has be prepared by a Truss Technician and is not an engineered drawing.

2. The responsibilities of the Owner, Building Design Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard. 3. The wood components shown on this diagram are be used in dry service (moisture content<19%) and non-toxic environmental applications. The metal pla and hangers are galvanized to the G60 Standard un noted otherwise. 4. Refer to the Truss Design Drawings for specific

information about each individual truss design. 5. The Truss Technician shall provide Truss-to-Truss Connection Requirements. Any special or other connection shall be the responsibility of the Building Designer.

6. The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource ar may not be reused or reproduced in part or in total under any circumstances without prior written authorization.

7. Floor Trusses have been spaced as specified in th plans or as directed by the contractor / customer. Bl recommends that the contractor / customer conside economics, floor performance, floor coverings, and accessibility when selecting the floor truss spacing. 8. Inflexible floor coverings, such as ceramic tile, require careful consideration and planning by the contractor. The contractor shall select and use an approved floor covering assembly for the chosen flo covering and floor truss spacing used in the project. Ceramic tile assemblies are shown in the TCNA Handbook for Ceramic, Glass, and Stone Installation Builders FirstSource is not responsible for floor cover related issues.

9. The builder / owner is to inform Builders FirstSou of any additional loads placed on floor trusses, such loads from structural members, heavy granite island countertops, fireplace surrounds, etc. If we do not n these additional loads on the placement diagram or truss design drawings, then they have not been add 10. This Placement Diagram may show approximate plumbing drop locations with a corresponding truss layout. With or without this information, the contrac shall insure that the installer verifies all plumbing locations and installs trusses to avoid interference. Consider all plumbing such as toilets, tub drain and overflow, showers, etc. The contractor shall also pla for other potential utility conflicts.

11. Floor truss spacing may be altered to avoid plumbing interference. Avoid overloading single trus due to truss spacing shifts. Do not exceed allowable span rating of the subfloor sheathing used.

12. Floor trusses shall be fully sheathed on the top chord. The builder shall select structural sheathing t meets the truss spacing requirement as well as the desired long term performance characteristics for th specific assembly.

13. Strongbacks are either recommended or require as Shown on the Truss Design Drawings. BFS recommends installing strongbacks for all floor truss to improve floor performance and allow load sharing between trusses.

14. This Placement Diagram is based upon the supporting structure being structurally adequate, dimensionally correct, square, plumb, and level to adequately support the trusses. The foundation desi structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.

WARNING:

TRUSSES MUST BE BRACED DURING INSTALLATION FAILURE TO DO SO MAY RESULT IN INJURY OR DEA Espanol - (TRUSSES (CERCHAS) DEBERAN TENER SOPORTE DURANTE LÀ INSTALÁCION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.) Trusses shall be installed in a safe manner meeti all code, local, OSHA, TPI, and BCSI Specifications. Failure to follow these specifications may result in iniurv or death.

2. Floor trusses shall be temporarily restrained durin installation. DO NOT WALK ON UNRESTRAINED FLO TRUSSES. Unrestrained floor trusses may suddenly collapse or roll over and may cause injury or death. 3. BCSI INSTRUCTIONS SHALL BE FOLLOWED:

BCSI-B7 = Floor Truss Installation

GE Sara e .en				Job No.	4493316
er, to ess				Drawn By	RC
omes	ace Plan	on Hill Rd.	٨C	Date	3/5/2025
White Oak H	The BellaGra	Lot 3 Camero	Moore Co., N	Scale	NTS
as ote ed. cor					
ses nat 2	V				



ROOF TRUSS NOTES:

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. **Espanol** - (NO CORTE, PERFORE, HAG, MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHAS DE MADERA). Contacte a su representante de BFS para asistencia ANTES de realizar cualquier modification.)

 This Truss Placement Diagram is intended to serve as a guide for truss installation. This Diagram has been prepared by a Truss Technician and is not an engineered drawing.
 The responsibilities of the Owner, Building

 The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.

3. The wood components shown on this diagram are to be used in dry service (moisture content <19%) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G60 Standard unless noted otherwise.4. Refer to the Truss Design Drawings for specific information about each individual truss design.5. The Truss Technician shall provide Truss-to -Truss Connection shall be the responsibility of the Building Designer.</p>

6. The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource and may not be reused or reproduced in part or in total under any circumstances without prior written authorization.

 In some cases, field framing may be required to achieve the final appearance shown on the Construction Documents.

8. Field framing, including valley rafters, installed over roof trusses shall have a knee brace from the rafter to the truss top chord at intervals of 48" on center (O.C.) or less. Stagger knee braces from adjacent rafters such that the loadis distributed uniformly over multiple truss locations and not concentrated at one location or along one truss. 9. Truss Top Chords shall be fully sheathed or have lateral bracing (purlins) spaced at 24" O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field framed bottom chord floor or ceiling attachments shall be spaced at 24" O.C. or less. Proper Bracing prevents buckling of individual truss members due to design loads.

Includes of the origin roads.
Io. This Placement Diagram is based upon the supporting structure being structurally adequate, dimensionally correct, square, plumb, and level to adequately support the trusses. The foundation design, structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.

11. If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.

12. The Contractor shall follow the SBCA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

WARNING:

TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH. **Espanol** - (*TRUSSES* (*CERCHAS*) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.) 1. Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and BCSI Specifications. failure to follow these specifications may result in injury or death.

 Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.

appropriate action to prevent injury or death. **3. BCSI INSTRUCTIONS SHALL BE FOLLOWED:** BCSI-B1 = Safe Truss Handling and Installation BCSI-B2 = Installation and Temporary Restraint BCSI-B3 = Permanent Restraint BCSI-B4 = Safe Construction Loading BCSI-B5 = Truss Damage and Modification Guidelines BCSI-B7 = Floor Truss Installation BCSI-B8 = Toe-Nailed Connections BCSI-B9 = Multi-Ply Girders BCSI-B10 = Post Frame Truss Installation BCSI-B11 = Fall Protection 4. Follow TPI Requirements for Long Span Trusses (>60').

ring AGA AGA te a gram te	White Oak Homes	The BellaGrace Plan	Lot 3 Cameron Hill Rd.	Moore Co., NC	Wer	Scale Date Drawn By Job No.	NTS 3/5/2025 RC 4493320
LT IN <i>RIA</i> oons to d. /ED: ht		Builders			Never Underestimate the Power	nt Quina Linet	icu i bulaci la



RE: 4493316 WHITE OAK HOMES **Trenco** 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: WHITE OAK HOMESProject Name: 4493316Lot/Block: 3Model: THE BELLAGRACEAddress:Subdivision: CAMERON HILL RDCity: CAMERONState: NC

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

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Roof Load: 40.0 psf Design Program: MiTek 20/20 8.8 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 14 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	171629970	F01	2/26/2025
2	171629971	F02	2/26/2025
3	171629972	F03	2/26/2025
4	171629973	F04	2/26/2025
5	171629974	F05	2/26/2025
6	171629975	F06	2/26/2025
7	171629976	F07	2/26/2025
8	171629977	F08	2/26/2025
9	171629978	F09	2/26/2025
10	171629979	F10	2/26/2025
11	171629980	F11	2/26/2025
12	171629981	F12	2/26/2025
13	171629982	F13	2/26/2025
14	171629983	F14	2/26/2025

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

North Carolina COA: C-0844

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



Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F01	Floor Supported Gable	1	1	Job Reference (optional)	171629970

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:25 ID:trQgJIWMH13m6Zi0YDXxGuyy752-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Plate Olisets (X, Y): [0:0-1-8,Edge], [22:0-1-8,Eage], [26	Eage,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 IRC201	5/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) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 72 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 shu 10-0-0 oc purlins, of Rigid ceiling directly bracing. (size) 14=15-3. 17=15-3. 20=15-3. 23=15-3. 26=15-3. Max Uplift 14=-2 (L Max Grav 14=-2 (L 16=152 (18=147 (20=147 (22=146 (24=145 (26=52 (L))	eathing directly applie except end verticals. y applied or 6-0-0 oc -8, 15=15-3-8, 16=15- -8, 18=15-3-8, 19=15- -8, 24=15-3-8, 22=15- -8, 24=15-3-8, 22=15- -8 C 1), 15=120 (LC 1), (LC 1), 15=120 (LC 1), (LC 1), 21=147 (LC 1) (LC 1), 23=147 (LC 1) (LC 1), 25=156 (LC 1) -C 1)	1) 2) 3) 4) 4) 5) 6) 3-8, 3-8, 3-8, 3-8, 3-8, 8) LO	All plates are indicated. Gable require Truss to be fi braced again Gable studs : All bearings a Provide mech bearing plate 14. Recommend 10-00-00 oc : (0.131" X 3") at their outer CAUTION, D DAD CASE(S)	1.5x3 () MT20 es continuous bot illy sheathed from st lateral moveme spaced at 14-0 o are assumed to be nanical connection capable of withst 2x6 strongbacks, and fastened to en nails. Strongbacks ends or restraine o not erect truss to Standard	unless of tom chorn n one fac ent (i.e. d c. e SP No. n (by oth anding 2 on edge ach trusse ks to be d by othe backward	therwise d bearing. e or securely iagonal web). 2 . ers) of truss to lb uplift at joi e, spaced at s with 3-10d attached to w er means. Is.	o int alls					1111
FORCES	(lb) - Maximum Cor Tension 1-26=-47/0, 13-14= 3-4=0/0, 4-5=0/0, 5 8-9=0/0, 9-10=0/0,	npression/Maximum 0/2, 1-2=0/0, 2-3=0/0, -6=0/0, 6-7=0/0, 7-8= 10-11=0/0, 11-12=0/0	, 0/0,),							4		OPTIESS	- Alexandre
BOT CHORD WEBS NOTES	12-13=0/0 25-26=0/0, 24-25=(21-22=0/0, 20-21=(17-18=0/0, 16-17=(2-25=-142/0, 3-24= 5-22=-133/0, 6-21= 8-19=-133/0, 9-18= 11-16=-138/0, 12-1	0/0, 23-24=0/0, 22-23: 0/0, 19-20=0/0, 18-19: 0/0, 15-16=0/0, 14-15: -132/0, 4-23=-134/0, -133/0, 7-20=-133/0, -134/0, 10-17=-132/0 5=-109/0, 6-22=0/0	=0/0, =0/0, =0/0									SEA 0363	L 22 EEREX out

February 26,2025

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



Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F02	Floor	2	1	Job Reference (optional)	171629971

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:26 ID:6r_VmeqgA0L3EYh?3g?1KNyy74e-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:30.8

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

		1	-			-						
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	0.48	Vert(LL)	-0.14	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.19	13-14	>954	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 79 lb	FT = 20%F, 11%E
	2v/ SP No 2(flat)											
BOT CHORD	2x4 SP No 1(flat)											
WEBS	2x4 SP No 3(flat)											
OTHERS	2x4 SP No 3(flat)											
BRACING												
	Structural wood she	athing directly applie	nd or									
		cent end verticals										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	,									
Bor onorib	bracing.											
REACTIONS	(size) 9=0-3-8, 1	16= Mechanical										
	Max Grav 9=821 (LC	C 1), 16=827 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-16=-44/0, 8-9=-41	/0, 1-2=0/0, 2-3=-14	59/0,									
	3-4=-2282/0, 4-5=-2	551/0, 5-6=-2282/0,										
	6-7=-1459/0, 7-8=-2	/0										
BOICHORD	15-16=0/880, 14-15=	=0/2008, 13-14=0/25	51, 2000									
	12-13=0/2551, 11-12	2=0/2551, 10-11=0/2	:008,									
WERS	9-10-0/000 2 16- 1172/0 7 0-	1169/0 2 15-0/205										
VILDO	7-10=0/806 3-15=-7	763/0 6-10=-764/0										
	3-14=0/433 6-11=0/	/433 4-14=-539/0									- <u>71</u> 111111	111111
	5-11=-539/0. 4-13=-	134/168. 5-12=-134/	168							P	M'AH CA	Ba'u.
NOTES	, .	,									A	
1) Unbalance	ed floor live loads have	been considered fo	r							<u> </u>	C. FESS	Marin
this design	1.											
2) All plates a	are 3x4 (=) MT20 unle	ess otherwise indicat	ed.						1	N	RI /	N 4 😤
3) Bearings a	are assumed to be: , Jo	oint 9 SP No.1 .									SEA	L 🔥 😫
Refer to gi	rder(s) for truss to trus	ss connections.							3.			
5) Recommen	nd 2x6 strongbacks, o	n edge, spaced at									0363	22 🤅 🗧
10-00-00 c	oc and fastened to eac	h truss with 3-10d								1		R 2
(0.131" X 3	3") nails. Strongbacks	to be attached to wa	alis							3		
	Do not prost truce be	by other means.								2	NOINE	ENIAS
U CAUTION,	, Do not elect truss ba	unwalus.									20	
LUAD CASE(S	siandard										AG	ILD
											The O	1111111
											ALARSE OF SALES STATE	State

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)



February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F03	Floor	1	1	Job Reference (optional)	171629972

2-0-0

3x4 =

5

36

35

3x4 =

3x4 =

6

3x4 =

4

37

1-3-0

3x4 =

39

3x4 =

2

3x4 =

3

38

3x4 =

3x4 **I**

f

40

3x6 =

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:26 ID:veoeG7OfE92_g7uIUColv4yy71K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

9-1-12 29-3-8 0-1-8 1-2-8 Н 3x6 FP 1.5x3 = 3x6 = 3x4 = 3x4 II 20 7 16 19 8 910 11 12 13 14 15 17 18 41 1-4-0 34 33 32 31 30 29 28 27 26 25 24 23 22 3х4 **н** 3x6= 3x6= 3x4 = 3x6 FP

Page: 1

0-3-8 H



Scale = 1:52.5

1-4-0

Plate Offsets	(X, Y): [4:0	-1-8,Edge],	[5:0-1-8,Edge], [16:0	0-1-8,E	lge], [21:Edge,0-	-1-8], [24:0-1-8,Ec	lge]							
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 IRC2	015/TPI2014	CSI TC BC WB Matrix-S	0.51 0.77 0.41	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.19 0.03	(loc) 37-38 37-38 32	l/defl >999 >957 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 143 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N No.2(flat) 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) Max Uplift Max Grav	lo.2(flat) lo.1(flat) *E: lo.3(flat) lo.3(flat) l wood she: purlins, exi ling directly 21=14-3-8 24=14-3-8 30=14-3-8 40= Mech 24=-423 (21=26 (LC 23=150 (L 25=714 (L 25=714 (L 29=145 (L 31=125 (L 40=773 (L kimum Com	xcept* 33-21:2x4 SP athing directly applie cept end verticals. applied or 6-0-0 oc 3, 22=14-3-8, 23=14- 3, 25=14-3-8, 29=14- 3, 31=14-3-8, 32=14- ianical LC 4) C 3), 22=131 (LC 4), C 3), 22=131 (LC 4), C 3), 22=131 (LC 4), C 3), 22=131 (LC 4), C 3), 32=148 (LC 4), C 3), 32=148 (LC 4), C 3), 32=986 (LC 1), C 1) pression/Maximum	d or 3-8, -3-8, -3-8, -3-8, -3-8, -3-8, -, -, -, -,	 BOT CHORD WEBS WUTES Unbalanced this design. 2) All plates are indicated. 3) Truss to be braced agai 4) Gable studs 5) Bearings are 6) Refer to girc 7) Provide mea bearing plate 	39-40=0/817, 38- 36-37=0/2218, 35 32-34=0/299, 31- 29-30=-631/0, 28 26-27=-631/0, 25 23-24=0/1, 22-23 8-32=-155/0, 2-40 2-39=0/732, 7-34 6-34=-835/0, 3-36 4-38=-388/0, 5-33 11-30=-142/0, 12 14-27=-133/0, 15 17-24=-137/0, 18 4-37=-157/100, 5 I floor live loads have a 1.5x3 () MT20 fully sheathed from a spaced at 1-4-0 of e assumed to be: der(s) for truss to to chanical connection e capable of withs	39=0/184 5-36=0/22 32=-631/ -29=-631 -26=-631 =0/1, 21- -26=-631 =0/1, 21- -26=-631 =0/339, 1 =-582/0, -29=-133 -26=-138 -23=-136 -36=-69/1 ave been unless o m one fac ent (i.e. c c. , Joint 22 russ conr on (by oth tanding 4	2, 37-38=0/2 18, 34-35=0/), 30-31=-63 (0, 27-28=-63 22=0/1), 7-32=-1192 -39=-695/0, 6-35=0/465, 10-31=-124// (0, 13-28=-13 (0, 16-25=-7C (0, 19-22=-11 89, 16-24=0/ considered for therwise the or securely iagonal web) SP No.2. nections. ers) of truss 1 (23 lb uplift at	218, (1520, 1/0, 31/0, 31/0, 2/0, 0, 34/0, 01/0, 19/0, /853 or /). to t joint					ROAM
TOP CHORD	Tension 1-40=-45 2-3=-134 5-6=-185 8-10=0/6 12-13=0/ 15-16=0/ 18-19=-1	/0, 20-21=- 3/0, 3-4=-2 4/0, 6-7=-9 31, 10-11=(631, 13-14= 631, 16-17= /0, 19-20=-	23/0, 1-2=0/0, 053/0, 4-5=-2218/0, 20/0, 7-8=0/631, 0/631, 11-12=0/631, =0/631, 14-15=0/631 =-1/0, 17-18=-1/0, 1/0	,	 24. 8) Recommend 10-00-00 oc (0.131" X 3" at their oute 9) CAUTION, I LOAD CASE(S) 	d 2x6 strongbacks and fastened to e) nails. Strongbac r ends or restraine Do not erect truss) Standard	s, on edge each truss cks to be ed by othe backward	e, spaced at s with 3-10d attached to w er means. ds.	valls				SEA 0363	L 22 L L BERING

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February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F04	Floor	6	1	Job Reference (optional)	171629973

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:51:26 ID:S3PqTfd?SBnfHf69vw6QVNyy7?I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



		6-0-0					21-1	11-0					_
Carls - 4:45 7	I	6-0-0		I			15-1	11-0					I
Scale = 1:45.7		i			i		· · · · · ·					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	0.45	Vert(LL)	-0.35	21-22	>741	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.34	Vert(CT)	-0.48	21-22	>539	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES		WB	0.59	Horz(CT)	0.03	16	n/a	n/a		
BCDL	5.0	Code	IRC2015	/TPI2014	Matrix-S							Weight: 146 lb	FT = 20%F, 11%E
LUMBER			4)	Recommend	2x6 strongbacks	. on edae	e. spaced at						
TOP CHORD	2x4 SP 2400F 2.0E	or 2x4 SP DSS or 2	x4 SP	10-00-00 oc	and fastened to e	ach truss	with 3-10d						
	SS(flat)			(0.131" X 3")	nails. Strongbad	ks to be	attached to v	valls					
BOT CHORD	2x4 SP 2400F 2.0E	or 2x4 SP DSS or 2	x4 SP	at their outer	ends or restraine	ed by othe	er means.						
	SS(flat)		LO	AD CASE(S)	Standard								
WEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
BRACING													
TOP CHORD	Structural wood she	athing directly appli	ed or										
	5-11-5 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc												
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	С										
REACTIONS		27-0.2.9											
REACTIONS	(SIZE) 10-0-3-0, Max Grav 16=1185	(I C 1) 27=1185 (I (C 1)										
FORCES	(lb) Maximum Com		51)										
FORCES	(ib) - Maximum Com Tension	pression/maximum											
	1-27=-35/0 15-16=-	35/0 1-2=0/0											
	2-3=-2289/0. 3-4=-3	999/0. 4-5=-3999/0.											
	5-6=-5043/0, 6-7=-5	509/0, 7-8=-5509/0.											
	8-9=-5509/0, 9-11=-	5043/0, 11-12=-399	9/0,										
	12-13=-3999/0, 13-1	4=-2289/0, 14-15=0	0/0										
BOT CHORD	26-27=0/1371, 25-20	6=0/3252, 23-25=0/	4662,										
	22-23=0/5394, 21-22	2=0/5509, 20-21=0/	5394,										
	18-20=0/4662, 17-18	8=0/3252, 16-17=0/	1371										Junny -
WEBS	2-27=-1734/0, 14-16	6=-1734/0, 2-26=0/1	248,								12	MAH CA	RAY
	14-17=0/1248, 3-26	=-1307/0, 13-17=-13	307/0,								, A	al'	. Aller
	3-25=0/992, 13-18=0	0/992, 7-22=-130/0,										O': ESS	St. The
	8-21=-130/0, 4-25=-	57/0, 12-18=-57/0,	0							4	22		122
	11-18=-8/9/0, 11-20)=0/517, 9-20=-512/	0,									:0	
	5-∠5=-8/9/0, 5-23=0	$y_{0} = 17, 6 - 23 = -512/0,$								20			
	0-22=-230/499, 9-21	230/499									i i	SEA	
NOTES												0363	22 : E
1) Unbalance	ed floor live loads have	been considered for	or							-10-3	19 B		ta 🖓 🔀

- this design.
- 2) All plates are MT20 plates unless otherwise indicated. 3) All bearings are assumed to be SP DSS or SS or 2400F

2.0E



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCB Exclusion Component Script. Information, available from the Structural Building Component Association (www.stponponents.com) 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	
4493316	F05	Floor	6	1	Job Reference (optional)	171629974

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27 ID:RjmhdbbhT33jbb6qQZ4VZSyy714-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:29.3

Plate Offsets (X, Y): [4:0-1-8,Edge], [5:0-1-8,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	0.39	Vert(LL)	-0.10	12-13	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.14	12-13	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	9	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 76 lb	FT = 20%F, 11%E	
LUMBER													
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	Structural wood sheathing directly applied or											
	6-0-0 oc purlins, ex	cept end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	c										
	bracing.												
REACTIONS	(size) 9=0-3-8, *	16=0-3-8											
	Max Grav 9=766 (L0	C 1), 16=766 (LC 1)											
FORCES	(lb) - Maximum Corr	pression/Maximum											
	Tension												
TOP CHORD	1-16=-40/0, 8-9=-40	/0, 1-2=-2/0, 2-3=-13	341/0,										
	3-4=-2047/0, 4-5=-2	249/0, 5-6=-2047/0,											
	6-7=-1341/0, 7-8=-2	/0											
BOT CHORD	15-16=0/817, 14-15	=0/1835, 13-14=0/22	249,										
	12-13=0/2249, 11-1	2=0/2249, 10-11=0/	1835,										
	9-10=0/817												
WEBS	2-16=-1084/0.7-9=-	1084/0. 2-15=0/729											

NOTES

 Unbalanced floor live loads have been considered for this design.

2) All plates are 3x4 (=) MT20 unless otherwise indicated.

7-10=0/729, 3-15=-687/0, 6-10=-687/0,

3-14=0/346, 6-11=0/346, 4-14=-401/0, 5-11=-401/0, 4-13=-126/146, 5-12=-126/146

 All bearings are assumed to be SP No.2.
 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



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F06	Floor Supported Gable	1	1	Job Reference (optional)	171629975
Builders FirstSource (Sumter, SC), Sumter, SC - 29153,	Run: 8.83 S Feb 18 2	025 Print: 8.	830 S Feb 18	3 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27	Page: 1

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27 ID:pNrrLRiSFr6u4U?SApjX9Myy7_L-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = '	1:24.7
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Plate Offsets (X, Y): [4:0-1-8,Edge], [18:0-1-8,Edge]

Flate Olisets (Λ, Τ). [4.0-	-1-0,Euge],	, [10.0-1-0,Euge]												
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) - - 11	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: 55 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structural 6-0-0 oc p	o.2(flat) o.2(flat) o.3(flat) o.3(flat) I wood she purlins, ex	athing directly applie	6) L(ed or	Recommend 10-00-00 oc : (0.131" X 3") at their outer DAD CASE(S)	2x6 strongbacks, and fastened to e nails. Strongbac ends or restraine Standard	, on edge ach truss ks to be d by othe	e, spaced at s with 3-10d attached to w er means.	alls		_				
BOT CHORD	Rigid ceili	ing directly	applied or 10-0-0 oc	C											
REACTIONS	(size) Max Grav	11=11-4-(14=11-4-(20=11-4-(11=2 (LC 13=152 (L 15=147 (L 17=149 (L 19=152 (J	0, 12=11-4-0, 13=11 0, 15=11-4-0, 16=11 0, 18=11-4-0, 19=11 0 1), 12=120 (LC 1), _C 1), 14=145 (LC 1 _C 1), 16=147 (LC 1 _C 1), 18=144 (LC 1 _C 1), 20 (LC 1)	-4-0, -4-0, -4-0,),),											
FORCES	(lb) - Max Tension	imum Com	pression/Maximum												
TOP CHORD	1-20=-44/ 3-4=-2/0, 8-9=0/0, 9	/0, 10-11=- 4-5=0/0, 5 9-10=0/0	2/0, 1-2=-2/0, 2-3=-2 -6=0/0, 6-7=0/0, 7-8	2/0, =0/0,										ROTA	
BOT CHORD	19-20=0/2 15-16=0/0 11-12=0/0	2, 18-19=0/ 0, 14-15=0/ 0	/2, 17-18=0/0, 16-17 /0, 13-14=0/0, 12-13	′=0/0, ⊨=0/0,							4		Contraction of the second seco	and and a second	
WEBS	2-19=-138 5-16=-133 8-13=-138	8/0, 3-18=- 3/0, 6-15=- 8/0, 9-12=-	133/0, 4-17=-135/0, 134/0, 7-14=-132/0, 109/0, 4-18=0/3								1.1.1		: « SEA		
NOTES											2	i i	0363	22 : -	
 All plates a indicated. Gable req Truss to b braced ag Gable stud All bearing 	are 1.5x3 (uires contin e fully shea ainst lateral ds spaced a gs are assur) MT20 un uous botto thed from c movemen it 1-4-0 oc. med to be \$	nless otherwise m chord bearing. one face or securely t (i.e. diagonal web). SP No.2 .										NGIN A. C	EER A Los	
													rebiualy	20,2020	

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F07	Floor Supported Gable	1	1	Job Reference (optional)	171629976

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27 ID:pwuiU37nFHP39ib?AyKVXXyy6zp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:28.5

Plate Offsets (X, Y): [5:0-1-8,Edge], [21:0-1-8,Edge], [24:Edge,0-1-8]

Loading	(ps	f) Spaci	ng	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.	0 Plate 0	Grip DOL	1.00		TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.	0 Lumbe	er DOL	1.00		BC	0.01	Vert(TL)	n/a	-	n/a	999			
BCLL	0.	0 Rep S	tress Incr	YES		WB	0.03	Horiz(TL)	0.00	13	n/a	n/a			
BCDI	5	0 Code		IRC2015	/TPI2014	Matrix-S		(Weight [,] 66 lb	$FT = 20\% F_{-}1^{-}$	1%E
DODL	0.			11102010	, 11 12011	Matrix 0							Wolght. 00 lb	20,01,1	1700
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(fla 2x4 SP No.2(fla 2x4 SP No.3(fla 2x4 SP No.3(fla 2x4 SP No.3(fla 2x4 SP No.3(fla Structural wood 10-0-0 oc purlin Rigid ceiling dire bracing, Excep 10-0-0 oc bracin (size) 13=13 15=11 17=13 23=13 Max Uplift 13=-2 Max Grav 13=-2 15=11 17=14	 Code Rep S Code Code Code Code Code Sheathing d s, except en crty applied t: g: 23-24,22- 3-9-12, 16=1 3-9-12, 24=1 3-9-12, 24=1 3-9-12, 24=1 3-9-12, 24=1 3 (LC 1) 3 (LC 1), 14 52 (LC 1), 16 17 (LC 1), 16 	irrectly applied ad verticals. or 6-0-0 oc -23,21-22. 3-9-12, 3-	YES IRC2015 1) 2) 3) 4) 4) 6) 7) 8) LO	All plates are indicated. Gable require Truss to be fit braced again Gable studs 3 All bearings a Provide mecl bearing plate 13. Recommend 10-00-00 cc : (0.131" X 3") at their outer CAUTION, D AD CASE(S)	WB Matrix-S 1.5x3 () MT20 u es continuous botto ully sheathed from st lateral movemer spaced at 1-4-0 oc are assumed to be nanical connection capable of withsta 2x6 strongbacks, of and fastened to ea nails. Strongbacks ends or restrained o not erect truss ba Standard	0.03 nless of om chor one fac tt (i.e. d (by oth- nding 2 on edge ch truss s to be a by othe ackwarc	Horiz(TL) Horiz(TL) herwise d bearing. e or securely iagonal web). 2. ers) of truss to 3 lb uplift at jo 3 lb uplift at jo 3 lb uplift at jo 4 with 3-10d attached to wa r means. Is.	o.oo	13	n/a	n/a	Weight: 66 lb	FT = 20%F, 1	1%E
FORCES	21=1 23=1 (lb) - Maximum	56 (LC 1), 22 56 (LC 1), 24 Compressior	1=52 (LC 1), 1=52 (LC 1) n/Maximum										ATH CA	ROL	
	Tension											N X	FESP	Oj: V	
TOP CHORD	1-24=-47/0, 12- 3-4=0/0, 4-5=0/0 8-9=0/1, 9-10=0	3=0/22, 1-2), 5-6=0/1, 6 /1, 10-11=0/	2=0/0, 2-3=0/0 6-7=0/1, 7-8=0 /1, 11-12=0/1),)/1,							Z			244	
BOT CHORD	23-24=0/0, 22-2 20-21=-1/0, 19-2 17-18=-1/0, 16- 14-15=-1/0, 13-2	3=0/0, 21-22 20=-1/0, 18-7 7=-1/0, 15-7 4=-1/0	2=0/0, 19=-1/0, 16=-1/0,								A UNIVERSE		SEA 0363	L 22	MIN NA
WEBS	2-23=-142/0, 3-2 5-20=-134/0, 6- 8-17=-134/0, 9- 11-14=-113/0, 5	22=-132/0, 4 9=-133/0, 7 6=-132/0, 1 -21=0/2	-21=-134/0, '-18=-133/0, 0-15=-138/0,									N. Y.		EP. A	Ş
NOTES													TUTUT	TTTTTT.	

February 26,2025

TREENCO AMERICA 818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F08	Floor	4	1	Job Reference (optional)	171629977

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27 ID:pTyZdhX6FkhEFxBX95xUviyy6zH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:28.5

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

Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) I/defl L/d PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 TC 0.83 Vert(LL) -0.20 12-13 >827 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.94 Vert(CT) -0.26 12-13 >615 360 244/190 </th <th>10/ ⊑</th>	10/ ⊑									
TCLL 40.0 Plate Grip DOL 1.00 TC 0.83 Vert(LL) -0.20 12-13 >827 480 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 BC 0.94 Vert(CT) -0.26 12-13 >615 360 BCLL 0.0 Rep Stress Incr YES WB 0.35 Horz(CT) 0.03 9 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-S WB Vert(CT) 0.03 9 n/a n/a LUMBER TOP CHORD 2x4 SP No.2(flat) BC Vert(CT) 0.03 9 n/a n/a BOT CHORD 2x4 SP No.1(flat) Vert(Rational Actional Actio	10/ ⊑									
TCDL 10.0 Lumber DOL 1.00 BC 0.94 Vert(CT) -0.26 12-13 >615 360 BCLL 0.0 Rep Stress Incr YES WB 0.35 Horz(CT) 0.03 9 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-S WB 0.35 Weight: 72 lb FT = 20%F, 1 LUMBER TOP CHORD 2x4 SP No.2(flat) BC 2x4 SP No.1(flat) Verticitation Ver	10/ ⊑									
BCLL 0.0 Rep Stress Incr YES WB 0.35 Horz(CT) 0.03 9 n/a Main BCDL 5.0 Code IRC2015/TPI2014 Matrix-S Matrix-S Weight: 72 lb FT = 20%F, 1 LUMBER TOP CHORD 2x4 SP No.2(flat) Son CHORD 2x4 SP No.1(flat) FT = 20%F, 1	10/ 🗆									
BCDL 5.0 Code IRC2015/TPI2014 Matrix-S Weight: 72 lb FT = 20% F, 1 LUMBER TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.1(flat)	10/									
LUMBER TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.1(flat)	170									
TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.1(flat)										
BOT CHORD 2x4 SP No.2(flat)										
BOT CHORD 2X4 SP No. I (liat)										
WEBS 2x4 SP No 3/flat)										
2x4 SP No.3(fiat)										
DRACING										
5 2 2 a putting aneous and visit and visit and										
5-6-12 oc punins, except end verucals.										
bot chord high centry applied of 10-0-0 co										
2-2-0 oc bracina: 11-12										
REACTIONS (size) 0 =03.8 15 Mechanical										
Max Gray = 740 / (L C 1) (15-746 / (L C 1))										
EQCES (b) Maximum Compression/Maximum										
TOP CHORD 1-15=-40/0 8-9=-53/0 1-2=0/0 2-3=-1277/0										
3-41964/0. 4-5=-1913/0. 5-6=-1913/0.										
6-7=-1284/0, 7-8=-3/0										
BOT CHORD 14-15=0/787, 13-14=0/1752, 12-13=0/2095,										
11-12=0/1913, 10-11=0/1913, 9-10=0/763										
WEBS 2-15=-1047/0, 2-14=0/682, 3-14=-661/0,										
3-13=0/294, 4-13=-191/0, 4-12=-367/141,										
5-12=-82/82, 7-9=-1013/0, 7-10=0/725,										
6-10=-855/0, 6-11=0/270										
NOTES										
1) Unbalanced floor live loads have been considered for	1									
this design.	11									
2) All plates are 3x4 (=) MT20 unless otherwise indicated.	2									
3) Bearings are assumed to be: , Joint 9 SP No.1.										
4) Refer to girder(s) for truss to truss connections.										
10 00 oc ordinate for the order true with 2 10 d										
0-00-00 of all labelled to each tubs will 5-100										
at their outer ends or restrained by other means	3									
6) CAUTION Do not erect truss backwards.										
(AD CASE(S) Standard										
A GIUP SN										
A CHARTER AND A CONTRACTOR										



February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F09	Floor	11	1	Job Reference (optional)	171629978

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:27 ID:X61v9ISjuaoEvs9BF7Jr7Dyy6zO-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:29

Plate Offsets (X, Y): [12:0-1-8,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	тс	0.90	Vert(LL)	-0.22	12-13	>754	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.29	12-13	>564	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 74 lb	FT = 20%F, 11%E
LUMBER												

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP SS(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 9=0-3-8, 15=0-3-8
	Max Grav 9=756 (LC 1), 15=756 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum Tension
TOP CHORD	1-15=-36/0, 8-9=-53/0, 1-2=-2/0, 2-3=-1310/0, 3-4=-2035/0, 4-5=-2004/0, 5-6=-2004/0, 6-7=-1315/0, 7-8=-3/0
BOT CHORD	14-15=0/804, 13-14=0/1805, 12-13=0/2174, 11-12=0/2004, 10-11=0/2004, 9-10=0/780
WEBS	2-15=-1068/0, 2-14=0/705, 3-14=-687/0, 3-13=0/320, 4-13=-207/0, 4-12=-357/164, 5-12=-99/60, 7-9=-1034/0, 7-10=0/745, 6-10=-917/0, 6-11=0/292
NOTES	

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

2) All bearings are assumed to be SP DSS or SS or 2400F 2.0E .

3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Page: 1

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES		
4493316	F10	Floor	6	1	Job Reference (optional)	171629979	

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:28 ID:ErDzy9B_XKUajEKvKRv854yy6yR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:38.4

Plate Offsets (X, Y):	[18:0-1-8.Edge], [19:0-1-8.Edge]

- (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1, []]]											
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	0.58 0.70 0.57	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.35 -0.48 0.08	(loc) 17-18 17-18 14	l/defl >680 >494 n/a	L/d 480 360 n/a	PLATES MT20HS MT20	GRIP 187/143 244/190	
BCDL	5.0	Code	IRC2015/TPI20	14 Matrix-S							Weight: 105 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP 2400F 2.0E SS(flat) 2x4 SP 2400F 2.0E SS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)	or 2x4 SP DSS or 2; or 2x4 SP DSS or 2;	4) Reco x4 SP 10-00 (0.13 x4 SP at the LOAD CA	mmend 2x6 strongbacks -00 oc and fastened to (1" X 3") nails. Strongba ir outer ends or restrain (SE(S) Standard	s, on edge each truss cks to be ed by othe	e, spaced at s with 3-10d attached to w er means.	valls						
TOP CHORD	Structural wood she	athing directly applie	ed or										
BOT CHORD	6-0-0 oc purlins, exe Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc	5										
REACTIONS	(size) 14=0-3-8, Max Grav 14=1086	23=0-3-8 (LC 1), 23=1086 (LC	5 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-23=-40/0, 13-14=- 2-3=-2035/0, 3-4=-3 5-6=-4371/0, 6-7=-4 8-10=-3451/0, 10-11 12-13=-2/0	35/0, 1-2=-2/0, 386/0, 4-5=-4371/0, 371/0, 7-8=-4245/0, =-3451/0, 11-12=-20	028/0,										
BOT CHORD	22-23=0/1179, 20-22 18-19=0/4371, 17-18 15-16=0/2841, 14-19	2=0/2854, 19-20=0/3 8=0/4457, 16-17=0/3 5=0/1184	3927, 3971,								winner CA	BO	
WEBS NOTES 1) Unbalance this design	2-23=-1567/0, 12-14 12-15=0/1175, 3-22= 3-20=0/740, 11-16=(10-16=-72/0, 8-16=- 7-17=-347/0, 7-18=- 5-19=-403/0, 6-18=- d floor live loads have	L=-1573/0, 2-22=0/1 =-1138/0, 11-15=-11 0/829, 4-20=-753/0, 708/0, 8-17=0/381, 411/376, 4-19=0/858 192/144 been considered for	190, 30/0, 5, r								SEA 0363	L 22	•
All plates a	re MT20 plates unles	s otherwise indicated	h						23	1.5 m	A State of the second s		

All bearings are assumed to be SP DSS or SS or 2400F
 2.0E .



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES		
4493316	F11	Floor Supported Gable	1	1	Job Reference (optional)	171629980	

0-1-8

Η

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:51:28 ID:cWH7h_ImJ5XID7CY4hYBh_yy6vi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

0-1-8

П

1-2-8 14-1-4



Scale = 1	1:29
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Plate Offsets ((X, Y): [5:0-1-8,Ed	ge], [21:0-1-8,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 	2-0-0 1.00 1.00 YES IRC2015/TPI	CSI TC BC WB 2014 Matrix-S	0.08 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 13	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 66 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 2x4 SP No.3(flat 2x4 SP No.3(flat Structural wood 6-0-0 oc purlins, Rigid ceiling dire bracing.	sheathing directly app except end verticals. ctly applied or 10-0-0	3) Tru bra 4) Ga 5) All 6) Re 10- (0. (0. at t oc LOAD	ss to be fully sheather ced against lateral mo ble studs spaced at 1- bearings are assumed commend 2x6 strongb 00-00 oc and fastened 31" X 3") nails. Stror heir outer ends or rest CASE(S) Standard	d from one fac overnent (i.e. d 4-0 oc. 1 to be SP No. backs, on edge d to each truss gbacks to be trained by othe	e or securely iagonal web). 2 . e, spaced at swith 3-10d attached to w er means.	alls					
REACTIONS	(size) 13=14 16=14 19=14 22=14 Max Grav 13=12 15=15 17=14 19=14 21=14 23=15	-1-4, 14=14-1.4, 15=1 -1-4, 17=14-1.4, 18=1 -1-4, 20=14-1.4, 21=1 (LC 1), 14=122 (LC 1 2 (LC 1), 16=145 (LC 7 (LC 1), 18=147 (LC 7 (LC 1), 20=148 (LC 5 (LC 1), 22=146 (LC 2 (LC 1), 24=49 (LC 1	(4-1-4, 4-1-4, 4-1-4), 1), 1), 1), 1), 1),									
FORCES	(lb) - Maximum (compression/Maximun	n									
TOP CHORD	Tension 1-24=-44/0, 12-1 3-4=-2/0, 4-5=-2, 7-8=-1/0, 8-9=-1, 11-12=-1/0	3=-11/0, 1-2=-2/0, 2-3 0, 5-6=-1/0, 6-7=-1/0, 0, 9-10=-1/0, 10-11=-	3=-2/0, 1/0,								OR FESS	AR ANT
BOT CHORD	23-24=0/2, 22-23 19-20=0/1, 18-19 15-16=0/1, 14-19	9=0/2, 21-22=0/2, 20-2 9=0/1, 17-18=0/1, 16-1 9=0/1, 13-14=0/1	21=0/1, 17=0/1,						4		2	
WEBS	2-23=-138/0, 3-2 5-20=-135/0, 6-1 8-17=-134/0, 9-1 11-14=-111/0, 5-	2=-133/0, 4-21=-134/0 9=-133/0, 7-18=-133/0 6=-132/0, 10-15=-138 21=0/2	D, D, VO,						TUUL		SEA 0363	L 22
 NOTES All plates indicated. Gable req 	are 1.5x3 () MT20 uires continuous bo	unless otherwise							2	ALA LA		EEP. August



818 Soundside Road Edenton, NC 27932

February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F12	Floor Supported Gable	2	1	Job Reference (optional)	171629981

0-3-8

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:28 ID:k0a2PRSvF4AvH7h1KwHEjkyy6vV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:24.7					
Plate Offsets (X, Y): [3	:0-1-8,Edge], [11:0)-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	2-0-0 1.00 1.00 YES IRC2015/TPI2014	CSI TC BC WB Matrix-P	0.08 0.01 0.03	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: 33 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. 2x4 SP No. 2x4 SP No. 2x4 SP No. Structural v 6-0-0 oc pu Rigid ceilin bracing. (size)	2(flat) 2(flat) 3(flat) 3(flat) wood shea rrlins, exc g directly 7=6-1-8, 8 10=6-1-8, 7=14 (LC	athing directly applie ept end verticals. applied or 10-0-0 oc =6-1-8, 9=6-1-8, 11=6-1-8, 12=6-1-8 1), 8=122 (LC 1), 9=	ed or 5 1 =152_									
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maxin Tension 1-12=-44/0 3-4=-1/0, 4 11-12=0/2, 7-8=0/1 2-11=-138/ 5-8=-111/0	I), 12=48 hum Comp , 6-7=-12/ -5=-1/0, 5 10-11=0/ 0, 3-10=-1 , 3-11=0/2	(LC 1) pression/Maximum 0, 1-2=-2/0, 2-3=-2/ -6=-1/0 1, 9-10=0/1, 8-9=0/ ⁻ 133/0, 4-9=-138/0,	0, 1,									3.1 TITT
NOTES 1) Gable requ 2) Truss to b braced ag; 3) Gable stud 4) All bearing 5) Recomme 10-00-00 c (0.131" X : at their out LOAD CASE(5)	uires continuo e fully sheath ainst lateral n ds spaced at js are assum nd 2x6 strong co and fasten 3") nails. Stro ter ends or re S) Standarc	bus botton ed from o novement 1-4-0 oc. 4-4 to be S gbacks, or ed to eact ongbacks strained b	n chord bearing. ne face or securely (i.e. diagonal web). P No.2. n edge, spaced at n truss with 3-10d to be attached to w by other means.	alls								SEA OSCAR	ER. Kunner

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February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F13	Floor Girder	1	1	Job Reference (optional)	171629982

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:51:29 ID:3hxWzrrwYpKJF?WfA0ofXZyy6r8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:25.2

Plate Offsets (X, Y): [7:Edge,0-1-8],	[12:Edge,0-1-8]
-------------------------	----------------	-----------------

1-4-0

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 NO IRC201	5/TPI2014	CSI TC BC WB Matrix-S	0.94 0.65 0.74	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.09 0.03	(loc) 9 9 7	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 61 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD BBRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2.0E. 3) Load case designer m	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E of SS(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 7=0-3-8, 1 Max Grav 7=1929 (L (lb) - Maximum Com Tension 1-12=-414/0, 6-7=-30 2-3=-3300/0, 3-4=-40 5-6=0/0 11-12=0/2403, 10-11 8-9=0/4220, 7-8=0/2 5-7=-3030/0, 2-11=0 3-11=-1384/0, 4-8=- 4-9=-269/101, 2-12= of floor live loads have as are assumed to be S (s) 1 has/have been m the streview loads to version	or 2x4 SP DSS or 2x4 athing directly applie cept end verticals. applied or 10-0-0 oc 12=0-7-0 .C 1), 12=2425 (LC - pression/Maximum 0/60, 1-2=0/0, 220/0, 4-5=-3275/0, 1=0/4220, 9-10=0/42 328 /1310, 5-8=0/1405, 1427/0, 3-10=-105/2 -3128/0 been considered fo SP DSS or SS or 240 podified. Building prify that they are con	6) 77 71 11 20 20 1) 220, 220, 220, 220, 20 65, 7 200F	 Fill all nail hoi In the LOAD of the truss a OAD CASE(S) Dead + Floo Plate Increas Uniform Loa Vert: 7-12 Concentrate Vert: 4=-6 (B) 	les where hanger i CASE(S) section, re noted as front (I Standard or Live (balanced): ise=1.00 ids (lb/ft) 2=-10, 1-6=-196 ed Loads (Ib) 346 (B), 13=-674 (I	s in cor loads a =) or ba Lumber 3), 14=-	tact with lum plied to the f ck (B). Increase=1. 646 (B), 15=-	ber. face 00, -646					Ro
for the inte 4) Recomment 10-00-00 c (0.131" X 3 at their out 5) Use Simps Truss) or e 0-6-12 from back face of	nded use of this truss. nd 2x6 strongbacks, o cc and fastened to eac 3") nails. Strongbacks er ends or restrained I son Strong-Tie THA42: quivalent spaced at 2: n the left end to 6-6-12 of top chord.	n edge, spaced at h truss with 3-10d to be attached to wa by other means. 2 (6-16d Girder, 6-10 -0-0 co max. starting 2 to connect truss(es	alls 0d 9 at 5) to							TTURNA.			EP. Kunn

818 Soundside Road Edenton, NC 27932

February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493316	F14	Floor	2	1	Job Reference (optional)	171629983

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:51:29 ID:_V??fCrMgDVKvALaJdQ65gyy7_A-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:26.5

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	тс	0.12	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	0.00	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	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

LU	M	в	Е	R
		_	_	

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
NEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	3-11-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 5=0-3-8, 8=0-3-8
	Max Grav 5=198 (LC 1), 8=198 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-8=-63/0, 4-5=-63/0, 1-2=-3/0, 2-3=-160/0,
	3-4=-3/0
BOT CHORD	7-8=0/160, 6-7=0/160, 5-6=0/160
NEBS	2-8=-206/0, 3-5=-206/0, 2-7=-13/37,
	3-6=-13/37
NOTES	

0-3-8

- Unbalanced floor live loads have been considered for 1) this design.
- All bearings are assumed to be SP No.2 . 2)
- Recommend 2x6 strongbacks, on edge, spaced at 3) 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



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RE: 4493320 WHITE OAK HOMES **Trenco** 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: WHITE OAK HOMES
Lot/Block: 3Project Name: 4493320
Model: THE BELLAGRACEAddress:Subdivision: CAMERON HILL RD
State: NC

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

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Roof Load: 40.0 psf Design Program: MiTek 20/20 8.8 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 28 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	171630003	A01	2/26/2025	21	171630023	V01	2/26/2025
2	171630004	A02	2/26/2025	22	171630024	V02	2/26/2025
3	171630005	A03	2/26/2025	23	171630025	V03	2/26/2025
4	171630006	A04	2/26/2025	24	171630026	V04	2/26/2025
5	171630007	A05	2/26/2025	25	171630027	V05	2/26/2025
6	171630008	A06	2/26/2025	26	171630028	V06	2/26/2025
7	171630009	A07	2/26/2025	27	171630029	V07	2/26/2025
8	171630010	A08	2/26/2025	28	171630030	V08	2/26/2025
9	171630011	A09	2/26/2025				
10	171630012	A10	2/26/2025				
11	171630013	B01	2/26/2025				
12	171630014	B02	2/26/2025				
13	171630015	B03	2/26/2025				
14	171630016	C01	2/26/2025				
15	171630017	C02	2/26/2025				
16	171630018	C03	2/26/2025				
17	171630019	M01	2/26/2025				
18	171630020	M02	2/26/2025				
19	171630021	M03	2/26/2025				
20	171630022	M04	2/26/2025				

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

North Carolina COA: C-0844

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



Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A01	Common Supported Gable	2	1	Job Reference (optional)	171630003

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:51 ID:hBCftMz8uCO8DemMPGDNxPyy75I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:88.2

27-11-0

Plate Offsets (X, Y): [2:0	-1-12,0-0-1], [3:0-4-0,0-2-4], [6:0	-2-4,0-2	2-4], [14:0-2-4,0-	-2-	4], [17:0-4-0,0-2-4	4], [18:0	-1-12,0-0-1], [2	27:0-3-	0,0-3	3-0]					
Loading		(psf)	Spacing	2-0-0			CSI		DEFL	in	(lo	bc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)		20.0	Plate Grip DOL	1.15			тс	0.13	Vert(LL)	n/a		-	n/a	999	MT20HS	187/143	
TCDL		10.0	Lumber DOL	1.15			BC	0.08	Vert(CT)	n/a		-	n/a	999	MT20	244/190	
BCLL		0.0*	Rep Stress Incr	YES			WB	0.20	Horz(CT)	0.02		18	n/a	n/a			
BCDL		10.0	Code	IRC20	15/TPI2014		Matrix-MS		(-)			-			Weight: 233 lb	FT = 20%	
				_	FORCES	(lb) - Maximum Com	noressi	on/Maximum		4)	All pl	ates ar	e MT2	0 plates unless o	therwise indic	ated.
TOP CHORD	2x4 SP N	02				Τe	ension				5)	All pl	ates ar	e 2x4	(II) MT20 unless	otherwise ind	icated.
BOT CHORD	2x4 SP N	0.2		-	TOP CHORD	1-3	2=0/45, 2-3=-80/5	3, 3-4=	-277/245,		6)	Gabl	e requi	res co	ntinuous bottom o	hord bearing	
OTHERS	2x4 SP N	0.3				4-	5=-219/210, 5-7=-	192/18	7, 7-8=-164/21	9,	7)	Gabl	e studs	space	ed at 2-0-0 oc.	0	
SLIDER	Left 2x8 S	SP 2400F 2	2.0E or DSS 2-6-5.			8-	9=-224/278, 9-10=	=-293/3	39,		8)	This	truss h	as bee	en designed for a	10.0 psf botto	m
	Right 2x8	SP 2400F	2.0E or DSS 2-6-5			10	-11=-293/339, 11	-12=-22	24/257,		,	chore	d live lo	ad no	nconcurrent with a	any other live	loads.
BRACING	0					12	-13=-143/159, 13	-15=-86	6/80,		9)	* Thi	s truss	has be	een designed for a	a live load of 2	20.0psf
TOP CHORD	Structura	l wood she	athing directly applied	lor		15	i-16=-106/86, 16-1	17=-194	/131,			on th	e botto	m cho	rd in all areas wh	ere a rectang	le
	6-0-0 oc	purlins.				17	-18=-79/53, 18-19	9=0/45				3-06	-00 tall	by 2-0	0-00 wide will fit b	petween the b	ottom
BOT CHORD	Rigid ceil	ing directly	applied or 10-0-0 oc		BOT CHORD	2-	32=-201/307, 31-3	32=-20 ⁻	/307,			chore	d and a	ny oth	er members.		
	bracing.	0 ,				30	-31=-201/307, 29	-30=-20	01/307,		10)	All be	earings	are as	ssumed to be SP	No.2 .	
WEBS	1 Row at	midpt	10-26, 9-27, 8-28, 11	-25,		28	-29=-201/307, 26	-28=-20	01/307,		11)	Prov	ide meo	chanic	al connection (by	others) of tru	ss to
			12-24			25	-26=-201/307, 24	-25=-20)1/307,			bear	ing plat	e capa	able of withstandi	ng 164 lb uplit	t at joint
REACTIONS	(size)	2=27-11-0	0, 18=27-11-0,			23	22-201/307,22	21-20)1/307, 1/307			2, 57	Ib upin	t at joi	int 18, 11 lb uplift	at joint 26, 10	IG ID
		20=27-11	-0, 21=27-11-0,			19	-22201/307, 20 -20201/307	-2120	17307,			upiiπ	at joint	27, 1. Shun	21 ID UPIIIT at joint	28, 113 ID up	nt 21
		22=27-11	-0, 23=27-11-0,	,	NEBS	10	-20-201/307	27-15	7/130			2541	29, 110 bunlift	o ib up	111 at joint 30, 108	ot joint 25, 10	111.31, 12.15
		24=27-11	-0, 25=27-11-0,		NLDO	8-	28=-175/145 7-29	9=-167/	138			204 I	at joint	2/ 1	13 lb unlift at joint	23 116 lb un	lift at
		26=27-11	-0, 27=27-11-0,			5-	30=-168/139 4-3	1=-169/	139			ioint	22 110) lh un	lift at joint 21 227	b unlift at ioi	nt 20
		28=27-11	-0, 29=27-11-0,			3-	32=-239/255, 11-2	25=-15	7/125.			164 1	b unlift	at ioin	it 2 and 57 lb unlif	t at joint 18	
		30=27-11	-0, 31=27-11-0,			12	-24=-175/147, 13	-23=-16	67/137,		10/			Sta	ndard	t at joint 10.	
	M	32=27-11	-0			15	-22=-168/139, 16	-21=-16	9/139,		207			Jia	liualu		
	Max Horiz	2=-381 (L				17	-20=-245/231									11.	
	Max Uplift	2=-164 (L	(L 8), $(18 = -57)$ (LC 9), $(L - 12)$, $(12 - 140)$	12)	NOTES										THE CA	5117	
		20227 (LC 13, 21110 (LC $1C 13$), 23- 113 (LC	13),	1) Unbalanced	l ro	of live loads have	been o	onsidered for						N'AH UH	HON	-9-
		24=-110 (1013, $25=-101$ (LC	13), 13)	this design.										ON SESS	D. M.	1
		26=-11 (1	(10, 10), 20 = 101 (10, 10)	2)	2) Wind: ASCE	Ξ7	-10; Vult=130mph	(3-sec	ond gust)						ist	NY.	
		28=-121 (LC 12), 29=-113 (LC	- <i>),</i> 12).	Vasd=103m	nph	; TCDL=6.0psf; B	CDL=6	.0psf; h=25ft; 0	Cat.			4				
		30=-116 (LC 12), 31=-109 (LC	12).	II; Exp C; Er	ncl	osed; MWFRS (er	nvelope) exterior zone	;			2	l li		200 B.	- E
		32=-254 (LC 12)	,,	and C-C Co	orne	er (3) -1-3-0 to 1-1	1-8, E	terior (2) 1-11	-8			2		SFA	L ar	
	Max Grav	2=303 (LO	C 20), 18=239 (LC 22),	to 13-11-8,	Co	rner (3) 13-11-8 to	o 16-11	-8, Exterior (2)				2		0000		
		20=209 (l	_C 20), 21=184 (LC 2	0),	16-11-8 to 2	29-	2-0 zone; cantilev	er left a	nd right				2		0303	LL 😲	
		22=184 (l	_C 20), 23=184 (LC 2	0),	exposed ; e	nd	vertical left and ri	gnt exp	osed;C-C for				2				1
		24=185 (l	_C 20), 25=188 (LC 2	0),	members ar	na 1 -	1 60 ploto grip DC	IOF rea	cuons snown;					2			3
		26=321 (l	_C 13), 27=194 (LC 1	9),		L-	d for wind loads in		no of the true						A .VGINI	E	N.
		28=182 (l	_C 19), 29=184 (LC 1	9), '	only Forst	hud	e exposed to wind	l ine piè	al to the face)	>					7/0	The second	S
		30=184 (l	LC 19), 31=183 (LC 1	9),	see Standar	rd I	Industry Gable En	d Detai	ls as annlicahl	ρ				122	A G	ILDIN	
		32=239 (l	_C 19)		or consult a	ua	lified building desi	aner as	per ANSI/TPI	<u>,</u> 1.					- Chines	TILL'	

February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A02	Common	3	1	Job Reference (optional)	171630004

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:52 ID:3MRwwfVqhb_Xqz9sWL?Y2Syy8op-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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	1	8-9-4	13-11-8	19-1-12	27-11-0	
Seels - 1.00 C	r	8-9-4	5-2-4	5-2-4	8-9-4	
Scale = 1:90.6						
Plate Offsets (X, Y): [2:Edge,0-3-15]						

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	15/TPI2014	CSI TC BC WB Matrix-MS	0.36 0.20 0.21	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.20 -0.22 0.03	(loc) 17-21 17-21 12	l/defl >841 >773 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 207 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x4 SP N 2x8 SP 2 2x4 SP N Left 2x4 S 2-6-0 Structural 5-4-7 oc p Rigid ceili bracing. 1 Brace a (size) Max Horiz Max Uplift Max Grav	o.2 400F 2.0E - 0.3 SP No.2 2 I wood shead burlins. ing directly at Jt(s): 18 2=0-3-8, 1 2=-381 (L 2=-292 (L 15=-28 (L 2=1031 (L 15=506 (L	or 2x8 SP DSS 2-6-0, Right 2x4 SP I athing directly applie applied or 10-0-0 oc 12=0-3-8, 15=0-3-8 C 10) C 12), 12=-297 (LC C 12), C 1), 12=1031 (LC - C 19)	2 No.2 ed or 5 13), 5 1), 6	 Wind: ASCE Vasd=103mp II; Exp C; En and C-C Ext 13-11-8, Ext 16-11-8 to 2! exposed ; en members an Lumber DOL This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings Provide mec bearing plate 	7-10; Vult=130mp ph; TCDL=6.0psf; closed; MWFRS (erior (2) -1-3-0 to 1 erior (2) 13-11-8 to 6-2-0 zone; cantile d vertical left and d forces & MWFR: =1.60 plate grip D is been designed that been designed n chord in all area by 2-00-00 wide win yo other members, are assumed to be hanical connection e capable of withst if a thioit 12 and 2	bh (3-sec BCDL=6 BCDL=6 envelope 1-9-0, Into 0 16-11-4 ver left a right exp S for rea (OL=1.60 for a 10.0 with any I for a liv s where ill fit betw with betw with betw with betw and by oth anding 2	cond gust) .0psf; h=25ft .0psf; h=25ft .0psf; h=25ft .0psf; h=25ft .0psf; h=25ft .0psf; h=25ft .0psf; h=10, h=25ft .0psf; h=10, h	; Cat. ne 0 to to r; ds. Dpsf om f. SS. to to					
FORCES	(lb) - Max Tension	imum Com	pression/Maximum	L	OAD CASE(S)	Standard	מו שו	t at joint 15.						
TOP CHORD	1-2=0/45, 6-7=-351/ 8-10=-10 12-13=0/4	, 2-4=-1119 /168, 7-8=- 59/397, 10- 45	//387, 4-6=-1060/405 351/167, 12=-1110/378,	ō,								1	NAL CA	BO VA
BOT CHORD	2-17=-332 14-15=-1	2/1026, 15- 50/851, 12-	17=-150/851, 14=-200/879										OREESS	in Vin
WEBS	6-17=-50/ 8-18=-782 10-14=-24	/245, 8-14= 2/317, 4-17 44/244, 7-1	:-43/245, 6-18=-782/ '=-244/244, 8=-9/21	/317,							4	Ì	SEA	
NOTES 1) Unbalanc	ed roof live l	oads have	been considered for	r									0363	22

this design.



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A03	Roof Special	5	1	Job Reference (optional)	630005

Run: 8.83 S. Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:53 ID:TGrCTF5ZQ2kloCdiDRIQvNyy8iu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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			2-6-3	10-9-4	15	-11-8	21-1-12	1	29-11-	0				
Scale = 1:90.6			2-6-3	8-3-1	5-	-2-4	5-2-4		8-9-4		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		тс	0.40	Vert(LL)	-0.24	16-17	>791	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.32	Vert(CT)	-0.37	16-17	>509	240			
BCLL	0.0*	Rep Stress Inc	r YES		WB	0.64	Horz(CT)	0.03	11	n/a	n/a			
BCDL	10.0	Code	IRC2015/TF	PI2014	Matrix-MS		Wind(LL)	0.28	16-17	>675	240	Weight [,] 223 lb	FT = 20%	

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this design.

LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x4 SP No 2x8 SP 24 2x4 SP No Right 2x4 Structural 3-10-2 oc 2-0-0 oc p Rigid ceili bracing. 1 Brace a 19 (size)	0.2 100F 2.0E or 2x8 SP DSS 0.3 *Except* 18-1:2x4 SP No.2 SP No.2 2-6-0 wood sheathing directly applied or purlins, except end verticals, and ourlins (4-8-10 max.): 1-2. ng directly applied or 10-0-0 oc t Jt(s): 1, 11=0-3-8, 14=0-3-8, 18=	2) 3) 4) 5)	Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=2 II; Exp C; Enclosed; MWFRS (envelope) exterior and C-C Exterior (2) 0-1-12 to 2-7-15, Interior (1) to 15-11-8, Exterior (2) 15-11-8 to 18-11-8, Interior 18-11-8 to 31-2-0 zone; cantilever left and right exposed ; end vertical right exposed;C-C for men and forces & MWFRS for reactions shown; Lumb DOL=1.60 plate grip DOL=1.60 Provide adequate drainage to prevent water pond This truss has been designed for a 10.0 psf botto chord live load nonconcurrent with any other live * This truss has been designed for a live load of 2 on the bottom chord in all areas where a rectang! 3-06-00 tall by 2-00-00 wide will fit between the b
FORCES	Max Horiz Max Uplift Max Grav (lb) - Maxi	Mechanical 18=-368 (LC 8) 11=-333 (LC 13), 14=-144 (LC 12), 18=-232 (LC 12) 11=1042 (LC 20), 14=730 (LC 19), 18=966 (LC 1) mum Compression/Maximum	6) 7) 8)	chord and any other members, with BCDL = 10.0 Bearings are assumed to be: , Joint 14 SP 2400F or DSS , Joint 11 SP 2400F 2.0E or DSS . Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of trus bearing plate capable of withstanding 232 lb uplif 40 2020 Lb uplif et init 41 and 144 hours that the second
IONOLO	Tension			18, 333 lb uplift at joint 11 and 144 lb uplift at join
TOP CHORD	1-18=-768 2-3=-2093 5-6=-348/ 9-11=-111	3/225, 1-2=-1484/386, 3/644, 3-5=-1148/489, 168, 6-7=-358/167, 7-9=-1055/356, 7/353, 11-12=0/45	9)	Graphical purlin representation does not depict the or the orientation of the purlin along the top and/o bottom chord.
BOT CHORD	17-18=-31 14-16=-92 11-13=-14	1/387, 16-17=-331/1132, 2/796, 13-14=-92/796, !5/846	LU	AD CASE(S) Standard
WEBS NOTES	2-17=-135 5-16=-127 7-19=-782 9-13=-227 3-17=-432	59/485, 6-19=-10/21, //317, 5-19=-782/376, //376, 7-13=0/227, 3-16=-456/320, //233, 1-17=-399/1535, //1043		
1) Unbalance	ed roof live l	oads have been considered for		

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-1-12 to 2-7-15, Interior (1) 2-7-15 to 15-11-8, Exterior (2) 15-11-8 to 18-11-8, Interior (1) 18-11-8 to 31-2-0 zone; cantilever left and right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60) 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 and any other members, with BCDL = 10.0psf. Bearings are assumed to be: , Joint 14 SP 2400F 2.0E or DSS , Joint 11 SP 2400F 2.0E or DSS .
- Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 18, 333 lb uplift at joint 11 and 144 lb uplift at joint 14.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A04	Roof Special	1	1	Job Reference (optional)	106

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:53 ID:_y3qI5166iGjM3OJgr7K_dyy8cV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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			2-6-3	10-9-4		15-11-8	21-1-12		29	-11-0		-	
Scale = 1:86.8			2-6-3	8-3-1		5-2-4	5-2-4		8	-9-4			
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	0.40	Vert(LL)	-0.24	15-16	>791	360	MT20	244/190
TCDI	10.0	Lumber DOI	1 15		BC	0.32	Vert(CT)	-0.37	15-16	>511	240		

TCDL	10.0	Lumber DOL	1.15		BC	0.32	Vert(CT)	-0.37 1	15-16	>511	240			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.64	Horz(CT)	0.03	11	n/a	n/a			
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS		Wind(LL)	0.28	15-16	>677	240	Weight: 221 lb	FT = 20%	
UMBER OP CHORD OT CHORD VEBS SLIDER BRACING OP CHORD OT CHORD IOINTS REACTIONS	2x4 SP No.2 2x8 SP 2400F 2.0E 2x4 SP No.3 *Excep Right 2x4 SP No.2 - Structural wood she 3-10-1 oc purlins, e 2-0-0 oc purlins (4-5 Rigid ceiling directly bracing. 1 Brace at Jt(s): 1, 18 (size) 11= Mech Machanic Max Horiz 17=-347 Max Uplift 11=-291 17=-232 (Max Grav 11=970 (((lb) - Maximum Con	or 2x8 SP DSS pt* 17-1:2x4 SP No.2 2-6-0 eathing directly applied except end verticals, a 8-9 max.): 1-2. y applied or 10-0-0 oc hanical, 13=0-3-8, 17= cal (LC 8) (LC 13), 13=-144 (LC (LC 12) LC 20), 13=726 (LC 1: LC 1) noression/Maximum	2) l or nd 3) 4) 5) 12), 6) 9), 7) 8)	Wind: ASCE Vasd=103m; II; Exp C; En and C-C Ext to 15-11-8, E exposed ; en and forces & DOL=1.60 pl Provide adeo This truss ha on the bottor 3-06-00 tall b chord and ar Bearings are or DSS. Refer to gird Provide mec bearing plate	7-10; Vult=1300 bi; TCDL=6.0ps closed; MWFRS erior (2) 0-1-12 f ixterior (2) 15-11 9-11-0 zone; cau d vertical right e MWFRS for rea ate grip DOL=1 quate drainage t s been designe ad nonconcurrer nas been designe n chord in all an by 2-00-00 wide yo other membe assumed to be er(s) for truss to hanical connect capable of with 11	mph (3-sec f; BCDL=6 (envelop) o 2-7-15, 1-8 to 18-1 ntilever left exposed;C actions she 60 o prevent d for a 10. tt with any ed for a 11 with any ed for a 11 to sec s, with BC c, Joint 13 truss contion (by oth standing 2 d 144 hs	cond gust) .0psf; h=25ft; a) exterior zon nterior (1) 2-7 1-8, Interior (1 and right -C for membei wm; Lumber water ponding D psf bottom other live load e load of 20.0 a rectangle ween the botto DL = 10.0psf. SP 2400F 2.0 mections. ers) of truss to 32 lb uplift at bit of the states of the st	Cat. he 7-15 1) rs ds. ppsf DE DE						
TOP CHORD	Tension 1-17=-770/225, 1-2= 2-3=-2097/644, 3-5= 5-6=-348/168, 6-7=	=-1487/386, =-1157/492, _358/167_7-9=-1055/3	9)	Graphical pu or the orienta	rlin representati ation of the purli	nd 144 lb u on does ne n along the	plift at joint 13 ot depict the s e top and/or	ize				- THILLI	11111-	
BOT CHORD	9-11=-1121/369 16-17=-324/367, 15 13-15=-113/786, 12 11-12=-188/857	5-16=-351/1121, 2-13=-113/786,	LC	bottom chord	i. Standard					4		ORTH CA	81	
WEBS	2-16=-1362/485, 6- 5-15=-127/322, 5-1 7-18=-782/378, 7-12 9-12=-226/235, 1-16 3-16=-431/1041	18=-10/21, 8=-782/378, 2=0/230, 3-15=-455/32 6=-399/1538,	20,									58 SEA 0363	L 22	the real of the
NOTES 1) Unbalance this desigr	ed roof live loads have n.	e been considered for								. (Beneral	AND NO.		EEP BILBER	



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A05	Roof Special	2	1	Job Reference (optional)	171630007

Run: 8.83 S. Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:53 ID:_y3ql5166iGjM3OJgr7K_dyy8cV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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		L	2-6-3	10-9-4		21-1-	12		29	-11-0				
Scale = 1:85.9			2-6-3	8-3-1		10-4	-8	1	8	-9-4		I		
Loading	(psf)	Spacing	2-0-0	с	SI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	Т	C	0.43	Vert(LL)	-0.26	14-15	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	В	C	0.34	Vert(CT)	-0.42	14-15	>856	240			
BCLL	0.0*	Rep Stress Incr	YES	N	VB	0.75	Horz(CT)	0.04	11	n/a	n/a			
BCDL	10.0	Code	IRC2015/TF	PI2014 M	/atrix-MS		Wind(LL)	0.31	14-15	>999	240	Weight: 221 lb	FT = 20%	

L	υ	Μ	в	E	F	R
_	-	_	-			-

LOWIDER	
TOP CHORD	2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E or 2x8 SP DSS
WEBS	2x4 SP No.3 *Except* 16-1:2x4 SP No.2
SLIDER	Right 2x4 SP No.2 2-6-0
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	3-5-15 oc purlins, except end verticals, and
	2-0-0 oc purlins (4-3-10 max.): 1-2.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
JOINTS	1 Brace at Jt(s): 1,
	17
REACTIONS	(size) 11= Mechanical, 16= Mechanical
	Max Horiz 16=-347 (LC 8)
	Max Uplift 11=-278 (LC 13), 16=-300 (LC 12)
	Max Grav 11=1261 (LC 20), 16=1191 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-16=-900/264, 1-2=-1857/469,
	2-3=-2607/758, 3-5=-1698/466,
	5-6=-354/168, 6-7=-368/170, 7-9=-1648/464,
	9-11=-1730/441
BOT CHORD	15-16=-325/384, 14-15=-464/1686,
	12-14=-227/1357, 11-12=-269/1331
WEBS	2-15=-1621/551, 6-17=-10/31, 5-14=-87/653,
	5-17=-1148/374, 7-17=-1148/374,
	7-12=-71/566, 3-14=-449/318,
	9-12=-184/237, 1-15=-485/1940,
	3-15=-403/951
NOTES	

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

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-1-12 to 2-7-15, Interior (1) 2-7-15 to 15-11-8, Exterior (2) 15-11-8 to 18-11-8, Interior (1) 18-11-8 to 29-11-0 zone; cantilever left and right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom 4)
- chord live load nonconcurrent with any other live loads. 5) * 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.
- 6) Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to 7) bearing plate capable of withstanding 300 lb uplift at joint 16 and 278 lb uplift at joint 11.
- Graphical purlin representation does not depict the size 8) or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A06	Roof Special	2	1	Job Reference (optional)	171630008

Run: 8 83 S. Feb 18 2025 Print: 8 830 S. Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:54 ID:_y3qI5166iGjM3OJgr7K_dyy8cV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-7-15	6-6-6	10-9-4	15-11-8	21-1-12	25-4-8	29-11-0
2-7-15	3-10-8	4-2-14	5-2-4	5-2-4	4-2-12	4-6-8
			29-11-0)		



	2-6-3	10-9-4	12-3-8	21-1-12	29-11-0	
ſ	2-6-3	8-3-1	1-6-4	8-10-4	8-9-4	
Scale = 1:87.5						

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.09	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.15	12-14	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.09	12-21	>999	240	Weight: 221 lb	FT = 20%
LUMBER			2) Wind: ASCE	7-10; Vult=130m	ph (3-sec	ond gust)			-			
TOP CHORD	2x4 SP No.2		Vasd=103mp	h; ICDL=6.0pst;	; BCDL=6	.0pst; h=25ft	; Cat.					
BOT CHORD	2x8 SP 2400F 2.0E	or 2x8 SP DSS	II; Exp C; En	ciosed; MIVFRS	(envelope	e) exterior zo	ne					
WEBS	2x4 SP No.3 *Excep	t* 17-1:2x4 SP No.2	and C-C Exte	erior (2) 0-1-12 to) 2-7-15, I	nterior (1) 2-	7-15					
SLIDER	Right 2x4 SP No.2	- 2-6-0	to 15-11-8, E	xterior (2) 15-11-	-8 to 18-1	1-8, Interior (1)					
PRACING			18-11-8 to 29	-11-0 zone; cant	tilever left	and right						

DRACING				exposed : end vertical right exposed C-C for members
TOP CHORD	Structural 4-2-7 oc p 2-0-0 oc p	wood sheathing directly applied or ourlins, except end verticals, and ourlins (5-1-6 max.): 1-2.		and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
BOT CHORD	Rigid ceili bracing.	ng directly applied or 10-0-0 oc	3) 4)	Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom chord live load ponconcurrent with any other live loads
JOINTS	1 Brace a 18	t Jt(s): 1,	5)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle
REACTIONS	(size)	11= Mechanical, 14=0-3-8, 17=0-3-8		3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDI = 10 0psf
	Max Horiz	17=-347 (LC 8)	6)	Bearings are assumed to be: Joint 17 SP 2400F 2 0F or
	Max Uplift	11=-339 (LC 13), 14=-336 (LC 12), 17=-293 (LC 13)	7)	DSS , Joint 14 SP 2400F 2.0E or DSS . Refer to girder(s) for trues to trues connections
	Max Grav	11=1149 (LC 20), 14=795 (LC 19), 17=996 (LC 20)	8)	Provide mechanical connection (by others) of truss to bearing plate canable of withstanding 293 lb unlift at joint
FORCES	(lb) - Maxi Tension	imum Compression/Maximum		17, 339 lb uplift at joint 11 and 336 lb uplift at joint 14.
TOP CHORD	1-17=-663	8/181, 1-2=-1330/359,	9)	Graphical purlin representation does not depict the size
	2-3=-1855	5/564, 3-5=-1437/610,	-,	or the orientation of the purlin along the top and/or
	5-6=-355/	167, 6-7=-351/162, 7-9=-1261/450,		bottom chord.
	9-11=-138	31/460	LC	DAD CASE(S) Standard
BOT CHORD	16-17=-30	09/349, 15-16=-196/1020,		
	14-10=-9/	7/090, 12-1497/090, 56/10/5		
WEBS	2-16=-117	78/376 6-18=-13/23		
WLDO	5-15=-262	2/480 5-18=-858/468		
	7-18=-858	3/468, 7-12=0/292, 3-15=-383/271.		
BOT CHORD	2-3=-1855 5-6=-355/ 9-11=-138 16-17=-30 14-15=-97 11-12=-25 2-16=-117 5-15=-262 7-18=-858	5/564, 3-5=-1437/610, 167, 6-7=-351/162, 7-9=-1261/450, 81/460 90/349, 15-16=-196/1020, 7/895, 12-14=-97/895, 56/1045 78/376, 6-18=-13/23, 2/480, 5-18=-858/468, 3/468, 7-12=0/292, 3-15=-383/271,	LC	or the orientation of the purlin along the top and/or bottom chord. DAD CASE(S) Standard

NOTES

1) Unbalanced roof live loads have been considered for

3-16=-241/639

9-12=-254/215, 1-16=-363/1364,

this design.



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A07	Roof Special	1	1	Job Reference (optional)	

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MITek Industries, Inc. Tue Feb 25 09:54:54 ID:_y3ql5166iGjM3OJgr7K_dyy8cV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

2-7-15	6-6-6	10-9-4	15-11-8	21-1-12	25-4-8	29-11-0
2-7-15	3-10-8	4-2-14	5-2-4	5-2-4	4-2-12	4-6-8
			29-11-0)		



	2-6-3	10-9-4	2-3-8	15-11-8	21-1-12	29-11-0	
Scale = 1:87.5	2-6-3	8-3-1	1-6-4	3-8-0	5-2-4	8-9-4	

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.32 0.18 0.52	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.05 -0.11 0.01 0.08	(loc) 16-17 16-17 13 12-22	I/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 221 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING	2x4 SP No 2x8 SP 24 2x4 SP No Right 2x4	0.2 00F 2.0E (0.3 *Except SP No.2	or 2x8 SP DSS * 18-1:2x4 SP No.2 2-6-0 athing directly applied	2)	Wind: ASCE Vasd=103mp II; Exp C; En- and C-C Exte to 15-11-8, E 18-11-8 to 29 exposed ; en	7-10; Vult=130mph h; TCDL=6.0psf; B closed; MWFRS (e rrior (2) 0-1-12 to 2 xterior (2) 15-11-8 -0-11-0 zone; cantile d vertical right expo	n (3-sec CDL=6 nvelope -7-15, I to 18-1 ever left osed;C-	ond gust) .0psf; h=25ft e) exterior zo nterior (1) 2- 1-8, Interior (and right C for membe	; Cat. ne 7-15 1) ers					
BOT CHORD	4-3-1 oc p 2-0-0 oc p Rigid ceilin bracing. 1 Brace at 19	urlins, exc urlins (5-2- ng directly t Jt(s): 1,	eept end verticals, an -14 max.): 1-2. applied or 10-0-0 oc	d 3) 4) 5)	and forces & DOL=1.60 pl Provide adec This truss ha chord live loa * This truss h	MWFRS for reaction ate grip DOL=1.60 juate drainage to pro- s been designed for a been designed for as been designed for a sheer designed for	revent v revent v r a 10.0 ith any for a liv	wn; Lumber water ponding) psf bottom other live loa e load of 20.	g. nds. Opsf					
REACTIONS	(size) Max Horiz Max Uplift Max Grav	11=0-3-8, 18=0-3-8 18=-347 (l 11=-298 (l 15=-390 (l 11=968 (L 15=697 (L	13=0-3-8, 15=0-3-8, LC 8) LC 13), 13=-120 (LC LC 12), 18=-268 (LC C 20), 13=502 (LC 2 C 19), 18=885 (LC 2	8), 6) 13) 7) 0), 0)	3-06-00 tall b chord and an All bearings a Provide mech bearing plate 18, 298 lb up 120 lb uplift a	y 2-00-00 wide will y other members, v are assumed to be nanical connection capable of withsta lift at joint 11, 390 l t joint 13.	where fit betw with BC SP 240 (by oth nding 2 b uplift	ven the bott DL = 10.0ps 0F 2.0E or D ers) of truss 68 lb uplift a at joint 15 ar	om f. ISS . to t joint id					

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or

	15=697 (LC 19), 18=885 (LC 20)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-18=-636/175, 1-2=-1264/344,
	2-3=-1762/543, 3-5=-1141/543,
	5-6=-353/166, 6-7=-350/163, 7-9=-974/382,
	9-11=-1056/392
BOT CHORD	17-18=-313/350, 16-17=-236/915,
	15-16=-51/675, 13-15=-51/675,
	12-13=-51/675, 11-12=-204/817
WEBS	2-17=-1157/376, 6-19=-11/19, 5-16=-221/367,
	5-19=-709/414, 7-19=-709/414, 7-12=0/211,
	3-16=-397/262, 9-12=-259/218,
	1-17=-349/1301, 3-17=-189/641

NOTES

 Unbalanced roof live loads have been considered for this design.



Page: 1

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bottom chord. LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A08	Roof Special	3	1	Job Reference (optional)	171630010

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:54 ID:TGrCTF5ZQ2kloCdiDRIQvNyy8iu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





	2-6-3	10-9-4	12-3-8	³ 15-11-8	21-1-12	29-11-0	
Scolo - 1:01 3	2-6-3	8-3-1	1-6-4	3-8-0	5-2-4	8-9-4	
Scale - 1.91.5							

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 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	5/TPI2014	CSI TC BC WB Matrix-MS	0.32 0.18 0.51	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.05 -0.11 0.01 0.07	(loc) 17-18 17-18 14 13-23	I/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 223 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD JOINTS	2x4 SP N 2x8 SP 24 2x4 SP N Right 2x4 Structural 4-3-4 oc p 2-0-0 oc p Rigid ceill bracing. 1 Brace a	o.2 400F 2.0E o o.3 *Except SP No.2 I wood shea purlins, exc purlins (5-3 ing directly at Jt(s): 1,	or 2x8 SP DSS * 19-1:2x4 SP No.2 2-6-0 athing directly applie sept end verticals, ar -1 max.): 1-2. applied or 10-0-0 oc	2) d or nd ; 3) 4) 5)	Wind: ASCE Vasd=103mp II; Exp C; En and C-C Extt to 15-11-8, E 18-11-8 to 3 exposed ; en and forces & DOL=1.60 pl Provide adee This truss ha chord live loa * This truss f	7-10; Vult=130mp bh; TCDL=6.0psf; I closed; MWFRS (e erior (2) 0-1-12 to 2 ixterior (2) 15-11-8 1-2-0 zone; cantile d vertical right exy MWFRS for react ate grip DOL=1.60 uate drainage to p s been designed f ad nonconcurrent v as been designed	h (3-sec 3CDL=6 anvelop 2-7-15, l to 18-1 ver left a ossed;C- cons sho prevent o or a 10.0 vith any for a liv	cond gust) .0psf; h=25ft a) exterior zo nterior (1) 2- 1-8, Interior (C for membé wn; Lumber water pondin, 0 psf bottom other live loz e load of 20.	; Cat. ne 7-15 1) ers g. dds. Opsf					
REACTIONS	(size) Max Horiz Max Uplift Max Grav	11=0-3-8, 19=0-3-8 19=-368 (f 11=-339 (f 16=-391 (f 11=1040 (f 16=701 (f)	14=0-3-8, 16=0-3-8, LC 8) LC 13), 14=-120 (LC LC 12), 19=-266 (LC (LC 20), 14=502 (LC C 19), 19=879 (LC 2	; 8), 6) ; 13) 7) 20), 20)	on the bottor 3-06-00 tall b chord and ar All bearings Provide mec bearing plate 19, 339 lb up	n chord in all areas by 2-00-00 wide wi by other members, are assumed to be hanical connection capable of withsta lift at joint 11, 391	s where Il fit betw with BC SP 240 (by oth anding 2 Ib uplift	a rectangle veen the bott DL = 10.0ps 0F 2.0E or D ers) of truss 66 lb uplift at at joint 16 ar	om f. ISS . to t joint nd					
	(lb) - Max Tension	imum Com	pression/Maximum	8)	120 lb uplift a Graphical pu or the orienta	at joint 14. rlin representation ation of the purlin a	does no	ot depict the s top and/or	size					
TOP CHORD	2-3=-1752 5-6=-352/ 9-11=-102	2/540, 3-5= /166, 6-7=-(28/389, 11-	-1230/342, -1130/540, 350/162, 7-9=-974/3 12=0/45	79, L	bottom chord DAD CASE(S)	l. Standard							TH CA	ROAL
BOT CHORD	18-19=-30 16-17=-19 13-14=-19	01/371, 17- 9/665, 14-1 9/665, 11-1	18=-215/924, 6=-19/665, 3=-159/798								4	i	OFES	Dage 1
WEBS	2-18=-11 5-20=-70 3-17=-39 1-18=-34	50/376, 6-2 9/412, 7-20 7/262, 9-13 6/1294, 3-1	0=-11/19, 5-17=-221 =-709/412, 7-13=0/2 =-260/217, 8=-190/642	1/364, 208,							AN LURES		.~ SEA 0363	

NOTES

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



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A09	Roof Special	1	1	Job Reference (optional)	171630011

11-9-4

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:55 ID:TGrCTF5ZQ2kloCdiDRIQvNyy8iu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



			8 17 x6 ₁₁ 4x8=		16 15 1 4x6= 6	4 ⁰ «8=	1 4	13 4x6=			₩ 4x8∎	1		
Scale = 1:91.3		ł	2-6-3 2-6-3	<u>10-9-4</u> 8-3-1	12-3-8 1-6-4	<u>21-1-</u> 8-10-	<u>12</u> 4	ł	<u>29-11-</u> 8-9-4	0	1			
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	

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		тс	0.32	Vert(LL)	-0.09	13-15	>999	360	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.23	Vert(CT)	-0.15	13-15	>999	240		
BCLL		0.0*	Rep Stress Incr	YES		WB	0.52	Horz(CT)	0.01	11	n/a	n/a		
BCDL		10.0	Code	IRC2015	/TPI2014	Matrix-MS		Wind(LL)	0.09	13-22	>999	240	Weight: 223 lb	FT = 20%
				2)	Wind: ASCE	7_10: \/ult=130mr	b (3-sec	ond quet)						
	2v4 SP N	0.2		2)	Vasd=103mn	h: TCDI =6 0nsf	BCDI = 6	Onsf: h=25ft	. Cat					
BOT CHORD	2x4 01 10	0.2 100E 2.0E /	or 2v8 SP DSS		II: Exp C: End	closed: MWFRS (envelope	exterior zon	ne					
WERS	2x0 SF 2-	-001 2.0L	t* 18_1.2v/ SP No 2		and C-C Exte	rior (2) 0-1-12 to	2-7-15 I	nterior (1) 2-	7-15					
SLIDER	Right 2v4	SP No 2	. 2-6-0		to 15-11-8. E	xterior (2) 15-11-8	3 to 18-1	1-8. Interior (1)					
BRACING	Ttight 2A4	01 110.2	2-0-0		18-11-8 to 31	-2-0 zone: cantile	ver left a	nd right	. ,					
	Structural	lwood obo	othing directly applied	d or	exposed ; en	d vertical right exp	osed;C-	C for membe	ers					
TOP CHORD			acting unectly applied	nd	and forces &	MWFRS for react	tions sho	wn; Lumber						
	2-0-0 oc r	purline $(5_1$	$_{-0}$ max): 1-2	nu	DOL=1.60 pla	ate grip DOL=1.60	C							
	Rigid ceili	ing directly	applied or 10-0-0 oc	3)	Provide adeq	uate drainage to	prevent v	vater ponding	g.					
DOT ONOTOD	bracing	ing uncoury	applied of 10-0-0 00	4)	This truss ha	s been designed f	for a 10.0) psf bottom						
JOINTS	1 Brace a	t Jt(s): 1.			chord live loa	d nonconcurrent	with any	other live loa	ads.					
	19	,,.,,		5)	* This truss h	as been designed	l for a liv	e load of 20.0	0psf					
REACTIONS	(size)	11=0-3-8.	15=0-3-8, 18=0-3-8		on the bottom	n chord in all area	s where	a rectangle						
	Max Horiz	18=-368 (IC 8)		3-06-00 tall b	y 2-00-00 wide wi	ill fit betw	een the bott	om					
	Max Uplift	11=-380 (LC 13) 15=-336 (LC	12)	chord and an	y other members,	, with BC	DL = 10.0psi	t.					
	max opint	18=-292 (LC 13)	, 6)	All bearings a	are assumed to be	e SP 240	0F 2.0E or D	188.					
	Max Grav	11=1221	(LC 20), 15=799 (LC	19), ()	Provide mech	nanical connection	n (by oth	ers) of truss i	to tisist					
		18=991 (L	C 20)		18 380 lb up	lift at joint 11 and	336 lb u	92 ID uplit at	5					
FORCES	(lb) - Max	imum Com	pression/Maximum		10, 500 ib up	int at joint 11 and	550 ib u	pint at joint 1	5.					
	Tension		•	8)	Graphical pu	rlin representation	n does no	ot depict the s	size					
TOP CHORD	1-18=-659	9/180, 1-2=	-1322/356,	0)	or the orienta	tion of the purlin a	along the	top and/or	0.20					
	2-3=-1845	5/561, 3-5=	-1426/606,		bottom chord			top ana/or						
	5-6=-355/	167, 6-7=-3	351/162, 7-9=-1250/4	^{146,} LO	AD CASE(S)	Standard								Minn-
	9-11=-136	69/456, 11-	12=0/45			otanuara						R	M'AH CA	Ro'u
BOT CHORD	17-18=-29	96/370, 16-	17=-163/1025,									- R	A	Also,
	15-16=-52	2/879, 13-1	5=-52/879,									1.	O. FESS	Star Ling
	11-13=-21	10/1027	0 40/00									17	10/ 1	
WEBS	2-17=-11/	/2/3/5, 6-1	9=-13/23,										2	
	5-16=-26	1/4/4, 5-19	=-850/465, =0/200 2 16- 282/2	70									OF A	
	0-1325/	0/400,7-10 1/213 1_17	-0/290, 3-10363/2 '360/1356	12,							2		SEA	
	3-17=-242	7/630									1		0363	22 : =
NOTES	J-17242	2,000												
1) Unholono	od roof live l	oode hove	been considered for											
this decigr		uaus nave									2	8 🎝	N. SNO	68. L S
uns desigi	ı.											12	S. GINI	
														IL BY
												5	<i>ч_{л,}</i> н. G	IL IN

818 Soundside Road Edenton, NC 27932

A. GILDON February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	A10	Common	3	1	Job Reference (optional)	171630012

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:55 ID:3MRwwfVqhb_Xqz9sWL?Y2Syy8op-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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	8-9-4	19-1-12	27-11-0	
Paper = 1:00.4	8-9-4	10-4-8	8-9-4	
Scale - 1.90.4				
Plate Offsets (X, Y): [2:Edge,0-3-15]				

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.35 0.20 0.35	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.14 -0.17 0.03 0.20	(loc) 14-24 14-24 12 16-20	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 207 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x4 SP No.2 2x8 SP 2400F 2.0E of 2x4 SP No.3 Left 2x4 SP No.2 - 2 2-6-0 Structural wood shea 4-4-0 oc purlins. Rigid ceiling directly bracing. 1 Brace at Jt(s): 17 (size) 2=0-3-8, 1 Max Horiz 2=-381 (L Max Uplift 2=-306 (L Max Grav 2=1261 (L	or 2x8 SP DSS 2-6-0, Right 2x4 SP N athing directly applie applied or 10-0-0 oc 12=0-3-8 C 10) C 12), 12=-306 (LC - .C 19), 12=1261 (LC	2) No.2 d or 3) 4) 13) 5) 20) 6)	Wind: ASCE Vasd=103mp II; Exp C; End and C-C Exte 13-11-8, Exte 16-11-8 to 29 exposed ; en members and Lumber DOL This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide med	7-10; Vult=130mpł h; TCDL=6.0psf; E closed; MWFRS (e rior (2) -1-3-0 to 1- erior (2) 13-11-8 to l-2-0 zone; cantilev d vertical left and ri d forces & MWFRS =1.60 plate grip DC s been designed fo d nonconcurrent w as been designed n chord in all areas y 2-00-00 wide will y other members, v are assumed to be nanical connection	n (3-sec BCDL=6 nvelope -9-0, Int 16-11-5 ver left a ight exp 6 for rea DDL=1.60 or a 10.0 vith any for a liv where I fit betw with BC SP 240 (by oth	ond gust) .0psf; h=25ft; e) exterior zor erior (1) 1-9-1 d, Interior (1) d, Interior (1) obsed;C-C for ctions shown d) psf bottom other live load e load of 20.0 a rectangle veen the botto DL = 10.0psf 0F 2.0E or D F 2.0E or D	; Cat. ne 0 to ; ds. Dpsf 5 SS . o					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	. 0)	bearing plate	capable of withsta	inding 3	06 lb uplift at	joint					
TOP CHORD	1-2=0/45, 2-4=-1552 6-7=-355/168, 7-8=-3 8-10=-1457/422, 10- 12-13=0/45	2/400, 4-6=-1458/422 355/168, 12=-1551/400,	^{l,} LC	DAD CASE(S)	Standard								22-10 ⁻¹ -1
BOT CHORD	2-16=-350/1362, 14- 12-14=-219/1215	16=-170/1214,									R.	MAH CA	Bo ¹ /2
WEBS	6-16=-51/478, 8-14= 6-17=-1003/336, 8-1 4-16=-222/242, 10-1	-50/477, 7=-1003/336, 4=-222/243, 7-17=-9)/27									OREESS	M
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for										SEA 0363 CA.G	ER K In



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	B01	Common Supported Gable	1	1	Job Reference (optional)	171630013

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:55 ID:OLLnIPksbVCi041Hv8ieOqyy841-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:53.8	
	1
Plate Offsets (X, Y): [2:0-3-4,0-0-4], [10:0-3-4,0-0-12]	

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	5/TPI2014	CSI TC BC WB Matrix-MS	0.12 0.04 0.09	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20HS MT20 Weight: 101 lb	GRIP 187/143 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2	2-1-15, Right 2x6 SP eathing directly applied applied or 10-0-0 oc , 10=15-7-0, 12=15-7- 0, 14=15-7-0, 13=15- C 10) C 8), 10=-21 (LC 9), (LC 13), 13=-102 (LC (LC 13), 13=-102 (LC (LC 13), 16=-107 (LC (LC 12), 18=155 (LC C 20), 10=176 (LC 1), LC 20), 13=182 (LC 2 LC 20), 15=175 (LC 2 LC 20), 17=180 (LC 1 LC 19), 17=180 (LC 1	N(1) 2) d or -0, 3) 7-0, 3) 7-0 13), 4) 12), 5) 12), 6) 12), 7), 12), 8) (2), 8) (2), 9), 9)	 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) -1-3-0 to 1-9-8, Exterior (2) 10-9-8 to 7-9-8, Corner (3) 7-9-8 to 10-9-8, Exterior (2) 10-9-8 to 16-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. All plates are MT20 plates unless otherwise indicated. All plates are 2x4 () MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. 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. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 									
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-2=0/42, 2-3=-66/6 4-5=-103/135, 5-6=- 7-8=-103/111, 8-9=- 10-11=0/42 2-18=-84/143, 17-18 16-17=-84/143, 15-1	npression/Maximum 3, 3-4=-117/106, .170/190, 6-7=-170/19 .66/45, 9-10=-64/63, 3=-84/143, 16=-84/143,	10 90, ¹¹	 S-08-00 tail b chord and an an Provide mecl bearing plate 2, 21 lb uplift uplift at joint joint 14, 102 74 lb uplift at 	y 2-00-00 wide will y other members. are assumed to be hanical connection a capable of withsta at joint 10, 107 lb 17, 155 lb uplift at j lb uplift at joint 13, ioint 2 and 21 lb u	SP No. (by oth inding 7 uplift at joint 18, 139 lb	2 . ers) of truss t 4 lb uplift at ji joint 16, 100 105 lb uplift at joint 1 uplift at joint 1	o oint Ib at I2,		A CONTRACTOR OF CONTRACTOR		SEA 0363	22
WEBS	14-15=-84/143, 13- 12-13=-84/143, 10- 6-15=-134/58, 5-16 4-17=-162/128, 3-18 7-14=-162/128, 8-13 9-12=-186/149	14=-84/143, 12=-84/143 162/130, 3=-181/162, 3=-163/129,	12 LC	 Develed plate Surface with DAD CASE(S) 	e or shim required truss chord at joint Standard	to provi (s) 2, 19	de full bearing).	9			NUN NUN	A G February	ER: A

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	B02	Common	2	1	Job Reference (optional)	171630014

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:56 ID:OpIx9nKXb3wXxsRlv?5g0fyy84Z-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:55.1	F	 7-9-8 7-9-8	 15-7-0 7-9-8	
Plate Offsets (X, Y): [2:0-3-8,Edge],	[6:0-7-8,Edge]			

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.73 0.62 0.15	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.10 -0.16 -0.08 0.16	(loc) 8-11 8-15 2 8-11	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 76 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x6 SP No.2 2 2-6-0	2-6-0, Right 2x6 SP	4) No.2 5) 6)	* This truss h on the bottom 3-06-00 tall b chord and an All bearings a Provide mech bearing plate	as been designed n chord in all area y 2-00-00 wide w y other members are assumed to be hanical connectio capable of withst	d for a liv as where rill fit betw , with BC e SP No. n (by oth tanding 1	e load of 20. a rectangle veen the bott DL = 10.0ps 2 . ers) of truss 1 93 lb uplift at	0psf om f. to t joint					
TOP CHORD	Structural wood she 4-11-10 oc purlins.	Structural wood sheathing directly applied or 4-11-10 oc purlins. 2 and 193 lb uplift at joint 6. LOAD CASE(S) Standard											
BOT CHORD	DRD Rigid ceiling directly applied or 10-0-0 oc												
REACTIONS	ACTIONS (size) 2=0-3-8, 6=0-3-8 Max Horiz 2=-201 (LC 10) Max Uplift 2=-193 (LC 12), 6=-193 (LC 13) Max Grav. 2=744 (I C 19), 6=744 (I C 20)												
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=0/42, 2-4=-744/3 6-7=0/42	354, 4-6=-744/354,											
BOT CHORD WEBS	RD 2-8=-359/601, 6-8=-236/601 4-8=0/378												
NOTES													
 Unbalance this design Wind: ASC Vasd=103 II; Exp C; and C-C E 	 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-3-0 to 1-9-0. Interior (1) 1-9-0 to 								Pola				

7-9-8, Exterior (2) 7-9-8 to 10-9-8, Interior (1) 10-9-8 to 16-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom

3) chord live load nonconcurrent with any other live loads. THE REPORT Man Barnes GILB THEFT February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	B03	Common Girder	1	3	Job Reference (optional)	171630015

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:56 ID:cznFDu7iX0LmTr?nCdkgaryx8Bt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Plate Offsets (X, Y): [2:0-7-8,Edge], [8:0-7-8,Edge]

Scale = 1:55.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 NO IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.35 0.60 0.33	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.04 -0.08 0.02 0.05	(loc) 11-12 11-12 8 11-12	I/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 333 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD FORCES TOP CHORD BOT CHORD BOT CHORD WEBS	2x4 SP No.2 2x6 SP No.2 2x4 SP No.2 	2-6-0, Right 2x6 SP N athing directly applied applied or 10-0-0 oc 3=0-3-8 C 7) LC 8), 8=-1373 (LC 9 .C 1), 8=5209 (LC 1) pression/Maximum 5/1346, 4-5=-3997/110 i=-5780/1516, 8-9=0/4 1-12=-1112/4161, 3-10=-1148/46866 1=-1104/421, .11=-1770/603,	3) 4) 0.2 1 or 5) 6) 7) 8) 10 10 10 10 10 10 10 10 10 10	 Unbalanced i this design. Wind: ASCE Vasd=103mp II; Exp C; Enc cantilever left right exposed This truss ha chord live loa This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mect bearing plate joint 2 and 13 Use Simpsor 14-10dx1 1/2 max. starting connect truss Fill all nail hoi Dead + Roc 	roof live loads have 7-10; Vult=130mp th; TCDL=6.0psf; closed; MWFRS (in t and right expose t; Lumber DOL=1 s been designed the did nonconcurrent the as been designed the did nonconcurrent the as been designed the did nonconcurrent the as been designed the did nonconcurrent the did nonconcurrent as been designed the did nonconcurrent the distance the dis	te been o bh (3-sec BCDL=6 envelope d ; end \ .60 plate for a 10.0 with any f for a liv s where ill fit betv e SP No. h (by oth anding 1 t 8. 26 (10-16 e left end of bottor is in cor	considered for cond gust) .0psf; h=25ft; a) exterior zon ertical left and grip DOL=1.6 0 psf bottom other live load e load of 20.0 a rectangle veen the botto 2. ers) of truss to 101 lb uplift a bd Girder, used at 2-0-0 or to 14-7-4 to n chord. tact with lumb	r Cat. he; d 60 ds. 0psf om o tt c tt c					nanjenan.
 S-ply truss (0.131"x3" Top chord oc. Bottom ch staggered Web conn All loads a except if n CASE(S) s provided tu unless oth 	to be connected toge) nails as follows: s connected as follows ords connected as follows at 0-8-0 oc. ected as follows: 2x4 - re considered equally oted as front (F) or bas section. Ply to ply com o distribute only loads erwise indicated.	ther with 10d s: 2x4 - 1 row at 0-9-0 ows: 2x6 - 3 rows 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LOA tections have been noted as (F) or (B),	D	Plate Increa Uniform Loa Vert: 1-5: Concentrate Vert: 12= (B), 22=- 25=-1171	Ise=1.15 ads (Ib/ft) =-60, 5-9=-60, 13- d Loads (Ib) -946 (B), 11=-946 946 (B), 23=-946 (B)	17=-20 ; (B), 10= (B), 24=-	950 (B), 21= 1171 (B),	946		A STATE OF A		SEA 0363: SEA 0363: SEA 0363: SEA 0363: SEA	ER R. A.

February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	C01	Common Supported Gable	1	1	Job Reference (optional)	171630016

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:56 ID:jXmiOkviTvrmZGjVli1?Siyy87g-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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	10-11-0	1
Scale = 1:45.1		
Plate Offsets (X, Y): [2:0-2-12,0-0-1], [8:0-2-12,0-3-1]		

Loading TCLL (roof) TCDL BCLL BCDL LUMBER TOP CHORD	2x4 SP No	(psf) 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 2)	5/TPI2014 Wind: ASCE Vasd=103mg	CSI TC BC WB Matrix-MS 7-10; Vult=130mpt ph; TCDL=6.0psf; E doced: MWEPS (C	0.11 0.03 0.04 n (3-sec 3CDL=6	DEFL Vert(LL) Vert(CT) Horz(CT) ond gust) .0psf; h=25ff	in n/a n/a 0.00 t; Cat.	(loc) - - 8	l/defl n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 63 lb	GRIP 244/190 FT = 20%	
BOT CHORD OTHERS SLIDER BRACING TOP CHORD BOT CHORD	2x4 SP No 2x4 SP No Left 2x6 S No.2 1-7 Structural 6-0-0 oc p Rigid ceili bracing.	5.2 5.3 P No.2 1 7-10 wood she: ourlins. ng directly	1-7-10, Right 2x6 SP athing directly applied applied or 10-0-0 oc	d or 3	ii, Exp C, Eii and C-C Cor 5-5-8, Corne 12-2-0 zone; vertical left a forces & MW DOL=1.60 pl Truss design only. For stu see Standard	chosed, MWFRS (e ner (3) -1-3-0 to 1-4 r (3) 5-5-8 to 8-5-8, cantilever left and nd right exposed;C FRS for reactions s ate grip DOL=1.60 ed for wind loads in ds exposed to wind l Industry Gable Er	5-8, Ext ; Exteric right ex -C for n shown; h the pla d (norm nd Detai	r (2) 1-5- r (2) 8-5-8 to posed ; end hembers and Lumber ane of the tru al to the face Is as applica	A to b d uss b), able,						
REACTIONS	(size) Max Horiz Max Uplift Max Grav	2=10-11-L 11=10-11- 13=10-11- 2=-131 (L 2=-44 (LC 10=-93 (L 13=-99 (L 2=165 (LC 10=138 (L 12=138 (L 14=150 (L	J, 8=10-11-0, 10=10- -0, 12=10-11-0, 0, 14=10-11-0, C 10) C 10) C 13), 11=-99 (LC 13), C 13), 11=-99 (LC 13), C 12), 14=-103 (LC 1 C 1), 8=165 (LC 1), C 20), 11=193 (LC 1), C 22), 13=193 (LC 1), C 219)	11-0, 4, 5, 6, 12, 7, 20), 12, 7, 20), 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,	or consult qu Gable require Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and an All bearings	alified building des es continuous botto spaced at 2-0-0 oc s been designed fo ad nonconcurrent w as been designed n chord in all areas by 2-00-00 wide will y other members. are assumed to be basical connection	igner as om chor or a 10.0 vith any for a liv where fit betw SP No. (by oth	per ANSI/T d bearing.) psf bottom other live loa e load of 20. a rectangle reen the bott 2.	PI 1. ads. 0psf com				14-74-891 D4-9		
FORCES	(lb) - Maxi Tension 1-2=0/38, 4-5=-114/ 7-8=-35/5	mum Com 2-3=-38/64 128, 5-6=- 8 8-9=0/38	pression/Maximum 4, 3-4=-80/76, 114/128, 6-7=-51/54, 8	,	bearing plate 2, 28 lb uplift at joint 14, 99 44 lb uplift at	capable of withsta at joint 8, 99 lb upl b lb uplift at joint 11 joint 2 and 28 lb up	inding 4 lift at joi , 93 lb u plift at jo	4 lb uplift at nt 13, 103 lb uplift at joint vint 8.	joint uplift 10,				OR FESS	ROL	2
BOT CHORD WEBS NOTES 1) Unbalance this design	2-14=-49/ 2-14=-49/ 11-12=-49/ 5-12=-99/ 6-11=-165	5, 0-9-0/36 90, 13-14= 9/90, 10-11 0, 4-13=-11 5/125, 7-10 pads have	5 :49/90, 12-13=-49/9(=-49/90, 8-10=-49/9(65/125, 3-14=-151/1 =-156/107 been considered for	_{0,} L 0 17,	OAD CASE(S)	Standard							SEA 0363		WARDEN BURNESS



G A. GIVIN February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	C02	Common	2	1	Job Reference (optional)	171630017

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:56 ID:MIROnDeve94uwu2HT4erZ3yy880-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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5-5-8	10-11-0
5-5-8	5-5-8

Plate Offsets (X, Y):	[2:0-3-0,0-0-1], [6:0-5-12,0-0-1]

Scale = 1:46.2

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC2015/T	FPI2014	CSI TC BC WB Matrix-MS	0.27 0.26 0.08	DEFL Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.02 -0.04 -0.02 0.03	(loc) 8-11 8-11 2 8-11	l/defl >999 >999 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 57 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 2 2-6-0 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=0-3-8, 6 Max Horiz 2=-131 (L Max Uplift 2=-151 (L Max Grav 2=512 (LC	2-6-0, Right 2x6 SP I athing directly applie applied or 10-0-0 oc 6=0-3-8 C 10) C 12), 6=-151 (LC 1) C 1), 6=512 (LC 1)	4) * No.2 5) A 6) F b d or 2 LOA 3)	* This truss h on the bottom 3-06-00 tall b chord and an All bearings a Provide mect bearing plate 2 and 151 lb D CASE(S)	as been designe a chord in all area y 2-00-00 wide v y other members are assumed to b nanical connectio capable of withs uplift at joint 6. Standard	ed for a livv as where a viill fit betw s. De SP No. Don (by othe standing 1	e load of 20.0 a rectangle reen the both 2 . ers) of truss t 51 lb uplift at	Dpsf om to i joint					
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-2=0/38, 2-4=-473/ 6-7=0/38 2-8=-185/362, 6-8=-	npression/Maximum 175, 4-6=-474/175, 123/362											
 WEBS NOTES 1) Unbalance this design 2) Wind: ASI Vasd=103 II; Exp C; and C-CE 5-5-8, Ext 12-2-0 zor vertical lef forces & M DOL=1.60 3) This truss chord live 	4-8=0/222 ed roof live loads have n. CE 7-10; Vult=130mph Bmph; TCDL=6.0psf; Bi Enclosed; MWFRS (er Exterior (2) -1-3-0 to 1-1 erior (2) 5-5-8 to 8-5-8, ne; cantilever left and r ft and right exposed;C- /WFRS for reactions s 0 plate grip DOL=1.60 has been designed foi load nonconcurrent wi	been considered for (3-second gust) CDL=6.0psf; h=25ft; tyelope) exterior zon 9-0, Interior (1) 1-9-0 , Interior (1) 8-5-8 to ight exposed; end c for members and hown; Lumber r a 10.0 psf bottom ith any other live load	Cat. e to to									SEA 0363	L L L L L BER L L L L L L L L L L L L L L L L L L L

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	C03	Common Girder	1	2	Job Reference (optional)	171630018

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:57 ID:M0wyCPRFfxxINHF?z0qsNTyy88H-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:41.6

Plate Offsets (X, Y): [6:0-4-12,0-1-8]

ICDL 10.0 Lumber DOL 1.15 BC 0.51 Vert(C1) -0.10 6-9 >999 240 BCLL 0.0* Rep Stress Incr NO WB 0.41 Horz(CT) 0.01 1 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-MS Wind(LL) 0.05 6-9 >999 240 Weight: 114 lb FT =	Γ = 20%
 LUMBER LUMBER 102 C LORD 2x4 SP No.2 DO C LORD 2x4 SP No.2 2x6 SP 2400F 2.0E or 2x6 SP DSS SUEES 2x4 SP No.2 - 2-6-0 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-3-36, 55-0-38 Max Horiz 1-3-36, 55-0-38 Max Horiz 1-3-48(0 LC 15). 55-362 (LC 9) Max Grav 1-348(0 LC 15). 55-362 (LC 9) Max Grav 1-348(0 LC 15). 55-362 (LC 9) Max Grav 1-348(0 LC 15). 55-3639 (LC 16) Power and any other members. 7) All bearing plate capable of withstanding 942 lb uplift at joint 1. 1 and 82/2 lb uplift at joint 5. 9) Use Simpson Strong-Tie HTU26 (10-16d Girder, 14-10dx 11/2 Truss) or equivalent los 49-4 lo connet truss(eis) lo front face of bottom chord. 10) E-201 (Truss to be connected to gether with 10d (0, 2131'x3') nalis as follows: 2x4 - 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies, except if noted as follows: 2x6 - 2 rows staggered at 0-7-0 oc. Web connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc. 2) All loads fave been considered for this design. 3) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4) Unblanced roof live loads have been considered for this design. 4)	BECHING

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February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	M01	Monopitch Supported Gable	2	1	Job Reference (optional)	171630019

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:57 ID:irRexRL8liivNy2qvzZaVQyy6t4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:37.4

	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
oof)	20.0	Plate Grip DOL	1.15		TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
	10.0	Lumber DOL	1.15		BC	0.10	Vert(CT)	n/a	-	n/a	999		
	0.0*	Rep Stress Incr	YES		WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 35 lb	FT = 20%
R			5)	Gable studs	spaced at 2-0-0 oc.								
ORD	2x4 SP No.2		6)	This truss ha	s been designed for	ra 10.0) psf bottom						
ORD	2x4 SP No.2		,	chord live loa	ad nonconcurrent wi	ith any	other live loa	ds.					
	2x4 SP No.2		7)	* This truss h	as been designed f	or a liv	e load of 20.0	Opsf					
5	2x4 SP No.3			on the botton	n chord in all areas	where	a rectangle						
G				3-06-00 tall b	y 2-00-00 wide will	fit betv	veen the botto	om					
ORD	Structural wood shea	athing directly applie	ed or	chord and ar	y other members.								
	6-0-0 oc purlins, exe	cept end verticals.	8)	All bearings	are assumed to be	SP No.	2.						
ORD	Rigid ceiling directly	applied or 10-0-0 of	c 9)	Provide mec bearing plate	hanical connection (capable of withstar	(by oth 1dina 8	ers) of truss t 7 lb uplift at i	o oint					
ONC		6-7 11 0 7-7 11 0	, ,	2, 34 lb uplift	at joint 6, 43 lb upli	ft at joi	nt 7, 140 lb u	plift					
UNS	(SIZE) Z=7-11-8,	0=/-11-0, /=/-11-0	б,	at joint 8 and	87 lb uplift at joint 2	2.							
	Max Horiz 2=165 /L (2 8)	LC	DAD CASE(S)	Standard								
	Max Holiz 2=105 (LC	30) 38) 634 (IC 12) 1	743										
		-140 (I C 12)	740										
	Max Grav 2=222 (1 (C 1) 6=74 (I C 1) 7:	=107										
	(LC 1), 8=	297 (LC 1)											
5	(lb) - Maximum Com	pression/Maximum											
	Tension												
ORD	1-2=0/24, 2-3=-293/ 4-5=-31/13 5-6=-53	102, 3-4=-95/19, /92											
ORD	2-8=-154/71 7-8=-6/	/5 6-7=-6/5											
0110	4-7=-89/180, 3-8=-20	09/244											
		00/211										<u></u>	1111100-
alanc	ed roof live loads have	been considered fo	r								12	WAH CA	Ro'll
desig	n.										- <u>S</u>	a	
d: AS	CE 7-10; Vult=130mph	(3-second gust)										O', FESS	A Vin
d=103	3mph; TCDL=6.0psf; B	CDL=6.0psf; h=25ft;	Cat.								\$ 5		THAT L
kp C;	Enclosed; MWFRS (en	velope) exterior zor	ne							1		Z /	
C-C (Corner (3) -1-3-0 to 1-9	-0, Exterior (2) 1-9-0) to									OF A	n 1. B
12 zo	ne; cantilever left and r	ight exposed ; end								1	i 🔋	SEA	
cal le	ft exposed;C-C for men	nbers and forces &										0363	22 : =
MWFRS for reactions shown; Lumber DOL=1.60 plate										2			
DOL=	=1.60	41								3			
s des	signed for wind loads in	the plane of the true	SS							2	8.4	A	- CR. 1
. FOľ	sidus exposed to Wind	(normal to the face), blo								12	S GIN	E. AN
Stand	aru muustry Gable En		DIE, DI 1								1	.''C	IL BEIN
	R R IORD IONS IORD IONS IORD IONS IORD IONS IORD IONS	g (psf) 20:0 poof) 20:0 10:0 0.0* 10:0 0.0* 10:0 0.0* 10:0 0.0* 10:0 0.0* 10:0 0.0* 10:0 0.0* 10:0 2x4 SP No.2 2X4 SP No.2 2x4 SP No.3 IO Structural wood she 6-0-0 oc purlins, ex IORD Structural wood she 6-0-0 oc purlins, ex IORD Rigid ceiling directly bracing. ONS (size) 2=7-11-8, 8=7-11-8 Max Horiz 2=165 (LC Max Uplift 2=322 (LC (LC 8), 8= Max Grav 2=222 (LC (LC 1), 8= 5 S (lb) - Maximum Com Tension 100RD 1-2=0/24, 2-3=-293/ 4-5=-31/13, 5-6=-53 IORD 1-2=0/24, 2-3=-293/ 4-5=-31/13, 5-6=-53 100RD 2-8=-154/71, 7-8=-6 4-7=-89/180, 3-8=-2 alanced roof live loads have design. 4-7=-89/180, 3-8=-2 12 20ne; cantilever left and r cal left exposed; C-C for mer FRS for reactions shown; Lu DOL=1.60 1-3-0 to 1-9 12 20ne; cantilever left and r cal left exposed; C-C for mer FRS for reactions shown	g(psf) 20.0 10.0 0.0* 10.0Spacing Plate Grip DOL Lumber DOL Rep Stress Incr CodeR(ORD 2x4 SP No.2 10RD 2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 S 2x4 SP No.3IGIORD Structural wood sheathing directly applie 6 -0-0 oc purlins, except end verticals.IORD Rigid ceiling directly applied or 10-0-0 o bracing.ONS (size) 2=7-11-8, 6=7-11-8, 7=7-11-8 $8=7-11-8$ Max Horiz 2=165 (LC 8) Max Uplift 2=-87 (LC 8), 6=-34 (LC 12), (LC 1), 8=297 (LC 1), 6=74 (LC 1), 7: (LC 1), 8=297 (LC 1)S(Ib) - Maximum Compression/Maximum TensionIORD 1-2=0/24, 2-3=-293/102, 3-4=-95/19, $4-5=-31/13, 5-6=-53/92$ IORD 2-8=-154/71, 7-8=-6/5, 6-7=-6/5 $4-7=-89/180, 3-8=-209/244$ alanced roof live loads have been considered fo design.d=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; xp C; Enclosed; MWFRS (envelope) exterior zor C-C Corner (3) -1-3-0 to 1-9-0, Exterior zor DC=12 zone; cantilever left and right exposed ; end cal left expos	g(psf) 20.0Spacing Plate Grip DOL Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr VES Code2-0-0 Plate Grip DOL 1.15 Rep Stress Incr VES CodeR5)IORD ORD 2x4 SP No.26)ORD 2x4 SP No.26)ORD 2x4 SP No.27)S 2x4 SP No.37)IG50IORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. 8=7-11-8IORD Rigid ceiling directly applied or 10-0-0 oc bracing.ONS (size)2=7-11-8, 6=7-11-8, 7=7-11-8, 8=7-11-8Max Horiz (LC 8), 8=-140 (LC 12) Max Grav TensionIORD IORDIORD 1-2=0/24, 2-3=-293/102, 3-4=-95/19, 4-5=-31/13, 5-6=-53/92IORD 2-8=-154/71, 7-8=-6/5, 6-7=-6/5 4-7=-89/180, 3-8=-209/244alanced roof live loads have been considered for design. d=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. xp C; Enclosed; MWFRS (envelope) exterior zone C-C Corner (3) -1-3-0 to 1-9-0, Exterior (2) 1-9-0 to 12 zone; cantilever left and right exposed; end cal left exposed; C-C for members and forces & FRS for reactions shown; Lumber DOL=1.60 plate DOL=1.60st designed for wind loads in the plane of the truss . For studs exposed to wind (normal to the face), Standard Industry Gable End Details as applicable, posult qualified building designer as per ANSI/TEI 1	g(psf) 20.0Spacing Plate Grip DOL 1.15 Lumber DOL 1.15 Lumber DOL 1.15 Lumber DOL 1.15 Lumber DOL 1.15R 0.0^* 10.0(a) Code(a) CodeR(b) Code(a) Code(a) CodeQRD 2x4 SP No.2(b) This truss h cohord live load cohord live load cohord live load cohord live load cohord live load cohord and ar a -06-00 copurlins, except end verticals.(c) This truss h on the botton 3-06-00 tall bit chord and ar a -06-00 copurlins, except end verticals.ORD CORD Structural wood sheathing directly applied or bracing.(c) R) Reside ceiling directly applied or 10-0-0 co- bracing.(c) R) Reside ceiling directly applied or 10-0-0 co- bracing.ONS (size)(size)2=7-11-8, 6=7-11-8, 7=7-11-8, 8=7-7-11-8, 6=7-11-8, 7=7-11-8, 8=7-7-11-8, 6=7-11-8, 7=7-11-8, 8=7-7-11-8, 6=7-11-8, 7=7-11-8, 8=7-7-11-8, 6=7-10, 6=74 (LC 1), 7=107 (LC 1), 8=297 (LC 1)(LOAD CASE(S))S (b) - Maximum Compression/Maximum Tension(LOAD CASE(S))ORD 4-5=-31/13, 5-6=-53/92(LC 1), 7=107 (LC 1), 8=297 (LC 1)S (c) D 4-5=-31/13, 5-6=-53/92(c) R) -8=209/244alanced roof live loads have been considered for design. d=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25f; Cat. xp C; Enclosed; MWFRS (envelope) exterior zone C-C Corner (3) -1-3-0 to 1-9-0, Exterior (2) 1-9-0 to 12 zone; cantilever left and right exposed; end cal left exposed; C-C for members and forces & FRS for reactions shown; Lumber DOL=1.60 plate DOL=1.60DOL=1.60side exposed to wind (normal to the face), Standard Industry Gable End Details as applicable, posult qualified build	g(psf) (psf) (port)Spacing Plate Grip DOL Plate Grip DOL 1.15CSI TC BC Umber DOL 1.15 0.0^* 0.0^* Plate Grip DOL Plate Grip DOL Lumber DOL Lumber DOL Code1.15TC BC WB Matrix-MSR 0.0^* 0.0^* Rep Stress Incr YESYES WB Matrix-MSR 0.0^* $2x4$ SP No.2 0.0^* Solution CodeORD 2x4 SP No.2 $2x4$ SP No.2 0.0^* 0.0^* S $2x4$ SP No.2 0.0^* 0.0^* 0.0^* S 0.0^* Dructural wood sheathing directly applied or $6-0-0$ oc purtins, except end verticals. 0.0^* 0.0^* This trus has been designed fo on the bottom chord in all areas $3-06-00$ tall by 2- $0-00$ wide will earing plate capable of withsta $2,34$ Ib uplift at joint 6, 43 Ib upli at joint 6 and 87 Ib uplift at joint 1.ONS(size) $2=7-11-8$, $6=7-11-8$, $7=7-11-8$, $8=7-11-8$ 0.0^* Druce members.Max Horiz $2=165$ (LC 8) $0.6=-34$ (LC 1), $7=-107$ (LC 1), $8=297$ (LC 1) 0.0^* S(lb) - Maximum Compression/Maximum Tension 0.0^* ORD $1-2=0/24$, $2-3=-293/102$, $3-4=-95/19$, $4-5=-31/13, 5-6=-53/92$ 0.0^* ORD $2-8=-154/71$, $7-8=-6/5$, $6-7=-6/5$ $4-7=-89/180$, $3-8=-209/244$ 0.0^* alanced roof live loads have been considered for design	g(psf) 20.0 10.0Spacing Plate Grip DOL Plate Grip DOL 1.15 Rep Stress Incr YES CodeCSI TC 0.17 BC 0.0"R0.0"Nep Stress Incr Kep Stress Incr YES CodeNep Stress Incr YESNep Stress Incr WB No.0"R0.0"Nep Stress Incr CodeNep Stress Incr YESNep Stress Incr WB No.0"R0.0"Nep Stress Incr CodeNep Stress Incr Plate Grip DOL Intis Tuss has been designed for a 10.0 chord live load nonconcurrent with any on the bottom chord in all areas where 3-06-00 call by 2-00-00 wide will fibetw chord and any other members.RSize 2-7-11-8, 6=7-11-8, 7=7-11-8, B=7-11-8, B=7-11-8, 6=7-11-8, 7=7-11-8, B=7-11-8, 6=7-11-8, 7=7-11-8, B=7-11-8, 6=7-11-8, 7=7-11-8, B=7-11-8, 6=7-11-6, 5=74 (LC 1), 7=107 (LC 1), 8=297 (LC 1)Ne Streat and the streat of the streat of the streat of the streat of the loads have been considered for design.ORD1.2=0/24, 2-3=-293/102, 3-4=-95/19, 4-5=-31/13, 5-6=-53/92-7-6/5 4-7=-89/180, 3-8=-209/244alanced roof live loads have been considered for design. d: ASCE 7-10; Vult=130mph (3-second gust) d=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25f; Cat. xp C; Enclosed; MWFRS (envelope) exterior zone C-C Corner (3) 1-3-0 to 1-9-0, Exterior (2) 1-9-0 to 12 zone; cantilever left and right exposed ; end cal left exposed; C-C for members and forces & RFS for reactions shown; Lumber DOL=1.60 plate DOL=1.60 plate DOL=1.60 plate designed for wind loads in the plane of the truss . For stude exposed to wind (normal to the face), Standard Industry Gable End Details as applicable, nosult qualified building designer as ear ADSI/TEP 1 <td>And boof)(psf) 20.0 10.0Spacing Plate Grip DOL 1.15 Lumber DOL 1.15 Lumber DOL 1.15CSI TC TC 0.17 BCDEFL Vert(LL) Vert(LL) Vert(CT) Horz(CT)R$0.0^{+}$$0.0^{+}$$1.15$ Rep Stress Incr CodeTC TC TC 0.17 BC$0.0^{-}$$Vert(LL)$ Vert(LL) Vert(CT) Horz(CT)R$0.0^{-}$$0.0^{+}$$0.0^{-}$$Vert(CT)$ WB Matix-MS$Vert(CT)$ Horz(CT)R$0.0^{-}$$0.0^{-}$$0.0^{-}$$Vert(CT)$ Horz(CT)$Vert(CT)$ Horz(CT)R$0.0^{-}$$0.0^{-}$$0.0^{-}$$0.0^{-}$$0.0^{-}$$0.0^{-}$$2x4$ SP No.2$0.0^{-}$$0.0^{-}$$0.0^{-}$$0.0^{-}$$2x4$ SP No.2$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$$0^{-}$$0^{-}$$0.0^{-}$$0^{-}$$0^{-}$</td> <td>And (psf) 20.0 Spacing 20.0 2-0-0 Plate Grip DOL 1.15 CSI TC DEFL In TC in Vert(LL) n/a 0.0 0.0 No.0 No.0<!--</td--><td>$\begin{array}{c} \textbf{h} \\ \textbf$</td><td>Apple (psf) Spacing 2-0-0 CSI DFL in (loc) I/deft port 10.0 Plate Grip DOL 1.15 TC 0.17 Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 BC 0.07 Matrix-MS Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 WB 0.07 Matrix-MS Horz(CT) n/a - n/a 0.00 2x4 SP No.2 5 Gable studs spaced at 2-0-0 cc. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. - n/a -<</td><td>port (psf) Spacing 2-0-0 CSI DEFL in (toc) I/defl L/d port 0.0 0.0* Plate Grip DOL 1.15 TC 0.17 Vert(L1) n/a </td><td>John (pst) Spacing 2-0-0 CSI DEFL in (loc) I/deft L/deft Plate Grip DOL 1.15 BC 0.10 Vert(C1) nria - nria 999 MT20 0.0° 10.0 0.0° Code IRC20157/PI2014 WB 0.07 Vert(C1) nria - nria 999 MT20 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) nria - nria 999 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vertiget C1 n/a n/a N/a Verg(C1) n.00 2 n/a n/a N/a Verg(C1) N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1)</td></td>	And boof)(psf) 20.0 10.0Spacing Plate Grip DOL 1.15 Lumber DOL 1.15 Lumber DOL 1.15CSI TC TC 0.17 BCDEFL Vert(LL) Vert(LL) Vert(CT) Horz(CT)R 0.0^{+} 0.0^{+} 1.15 Rep Stress Incr CodeTC TC TC 0.17 BC 0.0^{-} $Vert(LL)$ Vert(LL) Vert(CT) Horz(CT)R 0.0^{-} 0.0^{+} 0.0^{-} $Vert(CT)$ WB Matix-MS $Vert(CT)$ Horz(CT)R 0.0^{-} 0.0^{-} 0.0^{-} $Vert(CT)$ Horz(CT) $Vert(CT)$ Horz(CT)R 0.0^{-} 0.0^{-} 0.0^{-} 0.0^{-} 0.0^{-} 0.0^{-} $2x4$ SP No.2 0.0^{-} 0.0^{-} 0.0^{-} 0.0^{-} $2x4$ SP No.2 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-} 0^{-} 0^{-} 0.0^{-} 0^{-} 0^{-}	And (psf) 20.0 Spacing 20.0 2-0-0 Plate Grip DOL 1.15 CSI TC DEFL In TC in Vert(LL) n/a 0.0 0.0 No.0 No.0 </td <td>$\begin{array}{c} \textbf{h} \\ \textbf$</td> <td>Apple (psf) Spacing 2-0-0 CSI DFL in (loc) I/deft port 10.0 Plate Grip DOL 1.15 TC 0.17 Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 BC 0.07 Matrix-MS Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 WB 0.07 Matrix-MS Horz(CT) n/a - n/a 0.00 2x4 SP No.2 5 Gable studs spaced at 2-0-0 cc. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. - n/a -<</td> <td>port (psf) Spacing 2-0-0 CSI DEFL in (toc) I/defl L/d port 0.0 0.0* Plate Grip DOL 1.15 TC 0.17 Vert(L1) n/a </td> <td>John (pst) Spacing 2-0-0 CSI DEFL in (loc) I/deft L/deft Plate Grip DOL 1.15 BC 0.10 Vert(C1) nria - nria 999 MT20 0.0° 10.0 0.0° Code IRC20157/PI2014 WB 0.07 Vert(C1) nria - nria 999 MT20 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) nria - nria 999 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vertiget C1 n/a n/a N/a Verg(C1) n.00 2 n/a n/a N/a Verg(C1) N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1)</td>	$ \begin{array}{c} \textbf{h} \\ \textbf$	Apple (psf) Spacing 2-0-0 CSI DFL in (loc) I/deft port 10.0 Plate Grip DOL 1.15 TC 0.17 Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 BC 0.07 Matrix-MS Vert(LL) n/a - n/a 0.00* 10.0 Code IRC2015/TP12014 WB 0.07 Matrix-MS Horz(CT) n/a - n/a 0.00 2x4 SP No.2 5 Gable studs spaced at 2-0-0 cc. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. - n/a -<	port (psf) Spacing 2-0-0 CSI DEFL in (toc) I/defl L/d port 0.0 0.0* Plate Grip DOL 1.15 TC 0.17 Vert(L1) n/a	John (pst) Spacing 2-0-0 CSI DEFL in (loc) I/deft L/deft Plate Grip DOL 1.15 BC 0.10 Vert(C1) nria - nria 999 MT20 0.0° 10.0 0.0° Code IRC20157/PI2014 WB 0.07 Vert(C1) nria - nria 999 MT20 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) nria - nria 999 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vert(C1) n.00 2 n/a n/a 0.0° Code IRC20157/PI2014 Matrix-MS Vertiget C1 n/a n/a N/a Verg(C1) n.00 2 n/a n/a N/a Verg(C1) N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1) N/a N/a Verg(C1)

- and C-C Corner (3) -1-3-0 to 1-9-0, Exterior (2) 1-9-0 to 7-9-12 zone; cantilever left and right exposed ; end vertical left 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.
- 4) Gable requires continuous bottom chord bearing.

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



GILB

February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	M02	Monopitch	5	1	Job Reference (optional)	171630020

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:57 ID:Zj_9p6x?qNDE4GlkgK?cLAyy6ut-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:36.3

Plate Offsets (X, Y): [3:0-0-11,0-1-8], [4:Edge,0-1-8]

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	0.74	Vert(LL)	0.32	4-7	>289	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.63	Vert(CT)	-0.23	4-7	>396	240		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.00	Horz(CT)	-0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/	TPI2014	Matrix-MS							Weight: 32 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x6 SP No.2 Structural wood she 6-0-0 oc purlins, ex	eathing directly applice the sector of the s	6) 7) ed or ⁸⁾	Bearing at jc using ANSI/ designer sho Provide meo bearing plate bearing plate 2 and 225 b	int(s) 4 considers FPI 1 angle to grain puld verify capacity hanical connection a t joint(s) 4. hanical connection a capable of withs unlift at joint 4.	parallel t in formula y of beari n (by oth n (by oth tanding 2	o grain value a. Building ng surface. ers) of truss t ers) of truss t 56 lb uplift a	o o ; joint					
BOT CHORD	Rigid ceiling directly bracing.	/ applied or 9-8-5 oc	LOA	AD CASE(S)	Standard								
REACTIONS	(size) 2=0-3-0, Max Horiz 2=163 (L Max Uplift 2=-256 (I Max Grav 2=390 (L	4=0-1-8 C 8) _C 8), 4=-225 (LC 8) C 1), 4=303 (LC 1)											
FORCES	(lb) - Maximum Con Tension	npression/Maximum											
TOP CHORD BOT CHORD	1-2=0/24, 2-3=-261, 2-4=-249/198	/169, 3-4=-197/195											
NOTES													
1) Unbalance	ed roof live loads have	e been considered fo	r										
this desig	n.												
 Wind: AS Vasd=103 II; Exp C; and C-C E 7-8-12 zor vertical let for memb Lumber D 3) This truss chord live 4) * This trus on the bol 2.0 6.00 tr 	CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; B Enclosed; MWFRS (e Exterior (2) -1-3-0 to 1. ne; cantilever left and ft exposed; porch left a ders and forces & MWF OCL=1.60 plate grip DC b has been designed fc load nonconcurrent w ss has been designed ttom chord in all areas	n (3-second gust) CDL=6.0psf; h=25ft nvelope) exterior zor 9-0, Interior (1) 1-9- right exposed; end and right exposed;C- RS for reactions sho DL=1.60 or a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle	; Cat. ne 0 to -C own; ds. Dpsf									SEA 0363	L 22
chord and 5) Bearings	any other members.	int 2 SP No.2 . Joint	4							al a	2	S. MGIN	EERIA

- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 4) 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.
- 5) Bearings are assumed to be: Joint 2 SP No.2 , Joint 4 SP No.2.

GIL Uniternation February 26,2025

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 Schult before the Structure Building former the Advance into (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	
4493320	M03	Monopitch	15	1	Job Reference (optional)	171630021

Page: 1

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:57 ID:SZLNwkpAtVH0jLFZuRIVGLyy6tl-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -1-3-0 5-11-8 5-11-8 1-3-0 5-11-8 2x4 🛛 4 ¹² 3 0 9 2-2-10 2-8-8 8 2 0-6-5 0-3-8 0 ٩ 4 3x4 = 2x4 II 5-11-8



Scale = 1:33.5

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC2015/TPI2014	CSI TC BC WB Matrix-MP	0.52 0.49 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.17 -0.11 -0.02	(loc) 4-7 4-7 2	l/defl >415 >619 n/a	L/d 240 240 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 Structural wood she 5-11-8 oc purlins, e Rigid ceiling directly bracing.	eathing directly applie except end verticals. / applied or 10-0-0 oc	 7) Provide me bearing pla 8) Provide me bearing pla 2 and 167 LOAD CASE(\$ 	achanical connection te at joint(s) 2, 4. achanical connection te capable of withsta lb uplift at joint 4. b) Standard	ו (by oth ו (by oth anding 2	ers) of truss t ers) of truss t 213 lb uplift at	to to t joint					
REACTIONS FORCES	(size) 2=0-3-0, Max Horiz 2=130 (L Max Uplift 2=-213 (L Max Grav 2=316 (L (lb) - Maximum Con	4=0-1-8 C 8) .C 8), 4=-167 (LC 8) C 1), 4=224 (LC 1) ppression/Maximum										
TOP CHORD BOT CHORD	Tension 1-2=0/24, 2-3=-192, 2-4=-161/139	150, 3-4=-154/190										
 NOTES Unbalance this design Wind: ASC Vasd=103 II; Exp C; I and C-C E 5-9-12 zor vertical lef for membe Lumber D0 This truss chord live * This trus on the bott 3-06-00 ta chord and All bearing Bearing at using ANS 	ed roof live loads have CE 7-10; Vult=130mpt mph; TCDL=6.0psf; B Enclosed; MWFRS (e ixterior (2) -1-3-0 to 1- te; cantilever left and texposed; porch left a res and forces & MWF OL=1.60 plate grip DC has been designed for load nonconcurrent w is has been designed tom chord in all areas II by 2-00-00 wide will any other members. Js are assumed to be piont(s) 4 considers p BI/TPI 1 angle to grain	been considered for (3-second gust) CDL=6.0psf; h=25ft; nvelope) exterior zon 9-0, Interior (1) 1-9-0 right exposed; end and right exposed; C-0 RS for reactions show DL=1.60 r a 10.0 psf bottom ith any other live load for a live load of 20.0 where a rectangle fit between the bottoo SP No.2. arallel to grain value formula. Building	Cat. e to C wn; ls. osf m						A statistical statistics		SEA 0363	ROLUMAN ROLUMAN L 22 EEREX

- 4) * 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.
- 5) All bearings are assumed to be SP No.2.
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 6)

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GIL University of the second February 26,2025

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	M04	Monopitch Supported Gable	1	1	Job Reference (optional)	71630022

2-8-8

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:57

Page: 1





Scale = 1:34.4

L

														_
Loading FCLL (roof) FCDL BCLL BCDL	(psf) 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 IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.18 0.10 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%	_
UMBER TOP CHORD 30T CHORD WEBS DTHERS BRACING TOP CHORD 30T CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 5-11-8 oc purlins, e Rigid ceiling directly bracing. (size) 2=5-11-8 Max Horiz 2=130 (L Max Uplift 2=-100 (L (LC 12) Max Grav 2=220 (L (LC 1)	eathing directly applie except end verticals. / applied or 10-0-0 oc , 5=5-11-8, 6=5-11-8 C 8) .C 8), 5=-9 (LC 8), 6= C 1), 5=20 (LC 1), 6=	6) 7) d or 8) 9) ; LC 136	This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mecl bearing plate 2, 9 lb uplift a uplift at joint 3 DAD CASE(S)	s been designed Id nonconcurrent as been designe n chord in all are: y 2-00-00 wide v y other members are assumed to b nanical connection capable of withs tt joint 5, 136 lb u 2. Standard	f for a 10.0 t with any d for a liv as where will fit betw s. De SP No. Dn (by oth standing 1 uplift at joi) psf bottom other live loa e load of 20. a rectangle veen the bott 2 . ers) of truss 00 lb uplift a nt 6 and 100	ads. Opsf tom toott t joint Ib				-		_

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/24, 2-3=-305/103, 3-4=-29/3, 4-5=-19/53 BOT CHORD 2-6=-137/66, 5-6=0/0 WEBS 3-6=-212/350

NOTES

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

- Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) -1-3-0 to 1-9-0, Exterior (2) 1-9-0 to 5-9-12 zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss 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.
- Gable requires continuous bottom chord bearing. 4)
- 5) Gable studs spaced at 2-0-0 oc.



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES
4493320	V01	Valley	1	1	I71630023 Job Reference (optional)

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries. Inc. Tue Feb 25 09:54:58 ID:?HcYTzxPCfXQ8Vvndve_W2yy8oF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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27-7-9

Scale = 1:77.9

Plate Offsets (X, Y): [4:0-3-0,0-3-0], [12:0-3-0,0-3-0], [23:0-3-0,0-3-0]

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	15/TPI2014	CSI TC BC WB Matrix-MS	0.07 0.05 0.17	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 15	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 174 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD	IER IHORD 2x4 SP No.2 IHORD 2x4 SP No.2 IRS 2x4 SP No.3 ING CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.			E d or V	OT CHORD	1-28=-141/219, 27 26-27=-141/219, 2 24-25=-149/222, 2 21-22=-147/222, 1 19-20=-147/222, 1 17-18=-139/216, 1 15-16=-139/216 8-22=-230/137, 7-2 6-24=-160/129, 5-2	1/219, 49/222, 49/222, 47/222, 47/222, 39/216, /124, /123,		 All bearings are assumed to be SP No.2. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 1, 100 lb uplift at joint 23, 106 lb uplift at joint 24, 109 lb uplift at joint 25, 99 lb uplift at joint 26, 102 lb uplift at joint 27, 66 lb uplift at joint 28, 96 lb uplift at joint 21, 106 lb uplift at joint 20, 109 lb uplift at joint 19, 98 lb uplift at joint 18, 103 lb uplift at joint 17, 58 lb uplift at joint 16 and 4 lb uplift at joint 15. 					
WEBS REACTIONS	1 Row at (size) Max Horiz Max Uplift Max Grav	midpt 1=27-9-0, 17=27-9-0 20=27-9-0 23=27-9-0 26=27-9-0 1=303 (LC 1=-75 (LC (LC 13), 1 (LC 13), 2 (LC 12), 2 (LC 12	8-22 15=27-9-0, 16=27-9, , 18=27-9-0, 29=27-1, , 21=27-9-0, 25=27-1, , 27=27-9-0, 28=27-1, , 27=27-9-0, 28=27-1, 9) 8), 15=-4 (LC 9), 16 7=-103 (LC 13), 28=-10 4=-106 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 27=-1 8=-66 (LC 12), 28=-1 8=-66 (LC 12), 28=-1 8=-66 (LC 12), 28=-1 8=-66 (LC 12), 28=-100 (LC 12), 28=-	-0, 9-0, 9-0, 9-0, 9-0, 1 =-58 -98 -106 100 -109 102 , (20), 20), 20), 39), 9)	 6-24=-160/129, 5-25=-167/133, and 4 l 4-26=-154/123, 3-27=-151/123, 11) Bevele 2-28=-139/97, 9-21=-153/120, 11) Bevele 3urface 10-20=-160/130, 11-19=-167/133, 12-18=-154/123, 13-17=-151/124, 14-16=-139/94 VOTES I) Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 13-10-8, Exterior (2) 13-10-8 to 16-10-8, Interior (1) 16-10-8 to 27-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss 					D CASE(S) Standard				
FORCES TOP CHORD	(lb) - Max Tension 1-2=-295/ 5-6=-142/ 8-9=-247/ 10-11=-1 13-14=-15	24-173 (L 26=178 (L 28=187 (L imum Com 237, 2-3=-2 189, 6-7=- 266, 9-10= 18/121, 11- 59/100, 14-	C 19), 27=170 (LC 1 C 19), 27=170 (LC 1 C 19) pression/Maximum 239/212, 3-5=-192/18 182/239, 7-8=-247/28 -184/188, 13=-86/70, 15=-217/148	19), 19), 83, 80, 80, 80, 80, 80, 80, 80, 80, 80, 80	 see Standard Industry Gable End Detains as applicable, or consult qualified building designer as per ANSI/TPI 1. All plates are 2x4 () MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing. 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. * 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. 									ERECTION OF THE REPORT

3-06-00 tall by 2-00-00 wide will fit between the bottom 13-14=-159/100, 14-15=-217/148 chord and any other members.

818 Soundside Road Edenton, NC 27932

February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V02	Valley	1	1	Job Reference (optional)	171630024

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:58 ID:?HcYTzxPCfXQ8Vvndve_W2yy8oF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



27-7-9

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

Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.20 0.17 0.25	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (size) 1=27-9-1, 11=27-9-1, 15=27-9- Max Horiz 1=-303 (L 10=-120 (12=-228 (10=273 (1 12=517 (1 15=517 (1 17=281 (1)))	Code athing directly applie applied or 10-0-0 oc 5-13 , 9=27-9-1, 10=27-9-1 , 12=27-9-1, 13=27-1 , 16=27-9-1, 17=27- C 8) C 10), 9=-17 (LC 11), (LC 13), 15=-229 (LC (LC 12), 17=-127 (LC C 9), 9=85 (LC 22), LC 20), 11=411 (LC 2 LC 20), 13=424 (LC 2 LC 20), 16=410 (LC 1 LC 19), 16=410 (LC 1 LC 19)	2) Wind: ASCE Vasd=103m II; Exp C; Er and C-C Exi 13-10-8, Exi d or exposed ; er members ar Lumber DOU 3) Truss desig only. For st see Standar 9-1 4) All plates ar 5) Gable requi 13), 7) This truss his chord live lo 12) 8) * This truss his chord live lo 12), chord and a 9), 4Il bearings (0), 3-06-00 tall chord and a 9), 9) All bearings	Matrix-MS 7-10; Vult=130mp ph; TCDL=6.0psf; iclosed; MWFRS (errior (2) 0-0 to 3 errior (2) 13-10-8 tc 7-9-1 zone; cantile nd vertical left and di forces & MWFR: _=1.60 plate grip D ned for wind loads uds exposed to win' d Industry Gable E _alified building de: e 2x4 () MT20 un res continuous bott spaced at 4-0-0 or as been designed fad nonconcurrent i has been designed m chord in all area by 2-00-00 wide win ny other members, are assumed to be	oh (3-sec BCDL=6 envelope -0-0, Inte -0-0, I	cond gust) .0psf; h=25ft;) exterior zor erior (1) 3-0-0 and right loosed;C-C for ctions shown) ane of the true al to the face ils as applical s per ANSI/TF erwise indicat d bearing.) psf bottom other live loa e load of 20.0. D psf bottom other live loa e rectangle veen the botto DL = 10.0psf 2.	Cat. le to ss), ble, 21 1. ed. ds. upsf om					FT = 20%
FORCES	(lb) - Maximum Com Tension	pression/Maximum	10) Provide med bearing plat	chanical connection e capable of withst t at joint 9, 229 lb i	n (by oth anding 8 uplift at id	ers) of truss t 7 lb uplift at j pint 15, 204 lb	o oint				WTH CA	ROLIN
TOP CHORD	1-2=-300/235, 2-4=- 5-6=-261/253, 6-8=-	226/194, 4-5=-261/2 144/110, 8-9=-225/1	31, uplift at joint 40 ioint 12 205	16, 127 lb uplift at	joint 17, and 120	228 lb uplift	at nt		4	ic	C FESS	The del
BOT CHORD	1-17=-119/205, 16- 15-16=-125/212, 13 12-13=-125/212, 11 10-11=-110/199, 9-	17=-110/205, -15=-125/212, -12=-125/212, 10=-110/199	10. 11) Beveled pla surface with LOAD CASE(S)	truss chord at join Standard	to provi t(s) 1, 9.	de full bearing)		P. L. D. L. C. S. S.		SEA 0363	L 22
WEBS NOTES 1) Unbalance this design	5-13=-228/43, 4-15= 3-16=-315/251, 2-17 6-12=-341/276, 7-11 8-10=-251/197 ed roof live loads have h.	341/277, 7=-251/200, 1=-315/252, been considered for								NON SAL		E.B.F.K.



February 26,2025

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V03	Valley	1	1	Job Reference (optional)	171630025

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:58 ID:jTII8CGLrywateTzi4dJ6lyy8nq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



24-4-0

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

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC2015/TPI2014	CSI TC BC WB Matrix-MS	0.21 0.19 0.31	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 111 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood s 6-0-0 oc purlins. Rigid ceiling direct bracing. (size) 1=24-4 9=24-4 13=24- Max Horiz 1=-266 Max Uplift 1=-45 (9=-220 13=-21 Max Grav 1=154 8=396 10=485 13=401	teathing directly applied ly applied or 6-0-0 oc 0, 7=24-4-0, 8=24-4-0, 0, 10=24-4-0, 12=24-4- -0 (LC 10) (LC 13), 8=-213 (LC 13), (LC 13), 12=-219 (LC 1 (LC 12) LC 20), 7=116 (LC 24), LC 20), 9=428 (LC 20), (LC 19), 12=420 (LC 1 (LC 19)	 2) Wind: ASCE Vasd=103m II; Exp C; Er and C-C Exi to 12-2-12, I d or 15-2-12 to 2 exposed ; ei members ar Lumber DOI 3) Truss design only. For st see Standar or consult qi 4) All plates ar or consult qi 4) All plates ar or consult qi 4) All plates ar or consult qi 5) Gable requii 6) Gable studs 7) This truss h chord live lo 5) 9), 8) * This truss on the botto 3-06-00 tall 	7-10; Vulte130mp oh; TCDL=6.0psf; closed; MWFRS (erior (2) 0-0-12 to Exterior (2) 12-2-12 4-4-12 zone; cantil d vertical left and d forces & MWFR: =1.60 plate grip D led for wind loads uds exposed to wird d Industry Gable E lailfied building des e 2x4 () MT20 un es continuous bott spaced at 4-0-0 ou sis been designed fad nonconcurrent has been designed n chord in all area by 2-00-00 wide wi	on (3-see BCDL=6 envelopp 3-0-12, I 2 to 15-2 lever left right exp S for rea OL=1.6(in the pla od (norm and Deta signer as less oth toom chor c. for a 10.0 with any f for a liv s where ill fit betwee	ong gust) ongsf; h=25ft;) exterior zor nterior (1) 3-C -12, Interior (' and right oosed;C-C for ctions shown) ane of the tru: al to the face is as applicat is per ANSI/TF erwise indicat d bearing.) psf bottom other live load e load of 20.C a rectangle veen the bott	Cat. le l-12 l) ss s, ole, ole, ole, ole, ed. ds. psf					
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Co Tension 1-2=-231/245, 2-3 4-5=-149/200, 5-6 1-13=-173/204, 12 10-12=-173/198, 7-8 4-10=-269/0, 3-12 5-9=-331/273, 6-8	mpression/Maximum =-130/195, 3-4=-149/22 =-38/118, 6-7=-161/17(-13=-173/198, -10=-173/198, =-173/198 =-331/273, 2-13=-322/2 =-322/242	chord and a 9) All bearings 28, 10) Provide mec bearing plat 1, 219 lb up uplift at joint 244, LOAD CASE(S)	y other members, are assumed to be hanical connectior e capable of withst ift at joint 12, 217 I 9 and 213 Ib uplift Standard	with BC SP No. (by oth anding 4 b uplift a at joint 8	DL = 10.0psf 2 . ers) of truss tr 5 lb uplift at ju t joint 13, 220 3.	o oint) Ib		4		ORTH CA	ROMA

NOTES

 Unbalanced roof live loads have been considered for this design.



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AMITER ADMINISTRATION 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES
4493320	V04	Valley	1	1	Job Reference (optional)

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:58 ID:3RYeBvKUgUZt QMwVdDUpoyy8nI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

ue Feb 25 09:54:58 Page: 1 KWrCDoi7J4zJC?f



1	9-1	10-	0

Scale = 1:55.1

Plate Offsets (X, Y): [11:0-3-0,0-3-0]

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	тс	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	0.00	7	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 85 lb	FT = 20%	

LUMBER						
TOP CHORD	2x4 SP N	0.2				
BOT CHORD	2x4 SP N	0.2				
OTHERS	2x4 SP N	0.3				
BRACING						
TOP CHORD	Structural	wood sheathing directly applied or				
	6-0-0 oc p	ourlins.				
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.					
REACTIONS	(size)	1=19-10-0, 7=19-10-0, 8=19-10-0,				
		9=19-10-0, 10=19-10-0,				
		11=19-10-0, 12=19-10-0				
	Max Horiz	1=215 (LC 9)				
	Max Uplift	1=-58 (LC 8), 7=-20 (LC 11),				
		8=-140 (LC 13), 9=-233 (LC 13),				
		11=-233 (LC 12), 12=-148 (LC 12)				
	Max Grav	1=105 (LC 20), 7=67 (LC 13),				
		8=279 (LC 20), 9=455 (LC 20),				
		10=393 (LC 22), 11=454 (LC 19), 12=289 (LC 19)				
FORCES	(lb) - Max	imum Compression/Maximum				
	Tension					
TOP CHORD	1-2=-213/	172, 2-3=-175/132, 3-4=-194/200,				
	4-5=-194/	174, 5-6=-116/61, 6-7=-158/99				
BOT CHORD	1-12=-82/	133, 10-12=-66/133, 9-10=-66/133,				
	8-9=-66/1	33, 7-8=-66/133				
WEBS	4-10=-178	3/0, 3-11=-345/281, 2-12=-265/211,				
	5-9=-345/	281, 6-8=-264/208				

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 9-11-12, Exterior (2) 9-11-12 to 12-11-12, Interior (1) 12-11-12 to 19-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.

 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 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 BCDL = 10.0psf.
 8) All bearings are assumed to be SP No.2.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 1, 20 lb uplift at joint 7, 233 lb uplift at joint 11, 148 lb uplift at joint 12, 233 lb uplift at joint 9 and 140 lb uplift at joint 8.

LOAD CASE(S) Standard



 Unbalanced roof live loads have been considered for this design.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V05	Valley	1	1	I7163002 Job Reference (optional)	27

Run: 8.83 S. Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:59 ID:BxrYwMUecUC11PrQIsyXqYyy8nY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale =	1:48.8
00000	

BOT CHORD

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

this design.

WEBS

NOTES

2)

3)

REACTIONS (size)

OTHERS

BRACING

2x4 SP No.2

2x4 SP No.3

6-0-0 oc purlins.

Max Horiz 1=-166 (LC 8)

bracing.

Max Uplift

Max Grav

Tension

4-5=-114/128

5-6=-114/118

1) Unbalanced roof live loads have been considered for

Wind: ASCE 7-10; Vult=130mph (3-second gust)

10-8-12 to 15-4-12 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

Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat.

II; Exp C; Enclosed; MWFRS (envelope) exterior zone

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.

and C-C Exterior (2) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 7-8-12, Exterior (2) 7-8-12 to 10-8-12, Interior (1)

Structural wood sheathing directly applied or

1=15-4-0, 5=15-4-0, 6=15-4-0,

1=-26 (LC 13), 6=-226 (LC 13),

1=113 (LC 20), 5=96 (LC 24),

6=402 (LC 20), 7=327 (LC 1),

Rigid ceiling directly applied or 6-0-0 oc

7=15-4-0, 8=15-4-0

8=-228 (LC 12)

8=405 (LC 19)

(lb) - Maximum Compression/Maximum

1-2=-152/177, 2-3=-74/144, 3-4=-74/123,

1-8=-114/147, 7-8=-114/118, 6-7=-114/118,

3-7=-256/36, 2-8=-332/259, 4-6=-332/257

Scale = 1:48.8													
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	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 61 lb	FT = 20%	
LUMBER TOP CHORD	2x4 SP No.2		 Gable requ Gable stude 	ires continuous b s spaced at 4-0-0	ottom chor oc.	d bearing.			·				

15-4-0

5)	Gable studs	spaced	at 4-0-0	DO (

This truss has been designed for a 10.0 psf bottom 6)

chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf 7)

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.

All bearings are assumed to be SP No.2. 8)

Provide mechanical connection (by others) of truss to 9) bearing plate capable of withstanding 26 lb uplift at joint 1, 228 lb uplift at joint 8 and 226 lb uplift at joint 6.

LOAD CASE(S) Standard



Page: 1

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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V06	Valley	1	1	Job Reference (optional)	171630028

5-5-0

5-5-0

2x4 u

8

2

8 F

2x4 🧔

Builders FirstSource (Sumter, SC), Sumter, SC - 29153.

Run: 8.83 S. Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:59 ID:aGetdcglj9vADMjJGtJgA2yx8UX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

10-10-0

5-5-0

2x4 u

4

6

2x4 II

5

2x4 💊



10-10-0

4x6 = 3



BOT CHORD

REACTIONS (size)

10-10-0

7

2x4 II

00010 1.00.0														
oading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
CLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
CDL	10.0	Lumber DOL	1.15		BC	0.06	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.06	Horiz(TL)	0.00	5	n/a	n/a			
BCDL	10.0	Code	IRC2015/	/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%	
UMBER OP CHORD OT CHORD OTHERS BRACING OP CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she:	athing directly applied	es continuous b spaced at 3-0-0 s been designe ad nonconcurrer las been design n chord in all are	ottom chor oc. d for a 10.0 nt with any ed for a live eas where	d bearing.) psf bottom other live loa e load of 20.0 a rectangle	ds.)psf								

3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

bearing plate capable of withstanding 22 lb uplift at joint 1, 3 lb uplift at joint 5, 159 lb uplift at joint 8 and 156 lb uplift at joint 6.



818 Soundside Road

Edenton, NC 27932

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Rigid ceiling directly applied or 6-0-0 oc

7=10-10-0, 8=10-10-0

1=-22 (LC 13), 5=-3 (LC 12),

6=-156 (LC 13), 8=-159 (LC 12) 1=86 (LC 20), 5=72 (LC 1), 6=283

this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone

- and C-C Corner (3) 0-0-12 to 3-0-12, Exterior (2) 3-0-12 to 5-5-12, Corner (3) 5-5-12 to 8-5-12, Exterior (2) 8-5-12 to 10-10-12 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.

6-0-0 oc purlins.

Max Horiz 1=116 (LC 11)

bracing.

Max Uplift

Max Grav

1=10-10-0, 5=10-10-0, 6=10-10-0,

3-7-13

- Provide mechanical connection (by others) of truss to

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V07	Valley	1	1	Job Reference (optional)	171630029

Run: 8.83 S. Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:59 ID:OQ?8tgIWJ?fKxHASc7Q4QJyx8UR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



6-4-0

Scale = 1.25.7

Loading	(psf) 20.0	Spacing Plate Grip DOI	2-0-0 1 15		CSI TC	0 11	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES	GRIP 244/190	
ICDL	10.0	Lumber DOL	1.15		BC	0.12	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.06	Horiz(TL)	0.00	3	n/a	n/a			
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MP							Weight: 21 lb	FT = 20%	
UMBER OP CHORD 30T CHORD THERS 3RACING OP CHORD 30T CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood sh 6-4-0 oc purlins. Rigid ceiling direct bracing. (size) 1=6-4-0 Max Horiz 1=-66 (L Max Uplift 1=-10 (L 4=-109) Max Grav 1=70 (L (LC 1)	eathing directly applie ly applied or 6-0-0 oc , 3=6-4-0, 4=6-4-0 C 10) ,C 12), 3=-21 (LC 13), LC 12) C 23), 3=70 (LC 24), 4	7) 8) d or 9) LC	* This truss I on the bottor 3-06-00 tall I chord and ar All bearings Provide mec bearing plate 1, 21 lb uplift DAD CASE(S)	has been design m chord in all are by 2-00-00 wide y other membe are assumed to hanical connect e capable of with t at joint 3 and 10 Standard	ed for a liv eas where will fit betw rs. be SP No. ion (by oth istanding 1 09 lb uplift	e load of 20.0 a rectangle veen the bott 2 . ers) of truss I 0 lb uplift at j at joint 4.	0psf om to joint						

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-66/157, 2-3=-66/153 BOT CHORD 1-4=-165/115, 3-4=-165/115 2-4=-285/147 WEBS

NOTES

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

- Wind: ASCE 7-10; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 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.

4) Gable requires continuous bottom chord bearing. 5) Gable studs spaced at 4-0-0 oc.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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Job	Truss	Truss Type	Qty	Ply	WHITE OAK HOMES	
4493320	V08	Valley	1	1	Job Reference (optional)	171630030

1-6-9

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 09:54:59 ID:UHmCOIZ1ye41NUtmgqaAc0yy8nR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



J9:54:59



5-2-0

Scale = 1:23.2

Scale - 1.23.2					-							-		
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	5/TPI2014	CSI TC BC WB Matrix-MP	0.07 0.08 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: 16 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD 30T CHORD DTHERS BRACING TOP CHORD 30T CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 5-2-0 oc purlins. Rigid ceiling directly bracing. (size) 1=5-3-11, Max Horiz 1=46 (LC Max Uplift 1=-18 (LC 4=-76 (LC Max Grav 1=67 (LC (LC 1) (lb) - Maximum Com Tension	athing directly applie applied or 6-0-0 oc 3=5-3-11, 4=5-3-11 11) 212), 3=-25 (LC 13), 22), 3=-67 (LC 24), 4 pression/Maximum	7, 8 8 9 11 11 L =317	 * This truss h on the botton 3-06-00 tall b chord and an All bearings a Provide mect bearing plate 1, 25 lb uplift Beveled plate surface with t OAD CASE(S) 	has been designin in chord in all are y 2-00-00 wide the y other member are assumed to hanical connection e capable of with at joint 3 and 76 e or shim require truss chord at jo Standard	ed for a liv as where will fit betw s. be SP No. on (by oth standing 1 i bu pifit a i bu pifit a d to provi int(s) 1, 3.	e load of 20.0 a rectangle veen the botto 2 . ers) of truss t 8 lb uplift at jo t joint 4. de full bearing	Dpsf om o oint						
TOP CHORD BOT CHORD WEBS	1-2=-67/119, 2-3=-6 1-4=-124/80, 3-4=-1 2-4=-201/98	7/117 24/80												
1) Unbalance	ed roof live loads have	been considered for												

this design.

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Gable requires continuous bottom chord bearing.

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

 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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TRENGING BY AMERICA ALIIILATE 818 Soundside Road

Edenton, NC 27932

