

RE: 24	411-0122-	E - Stonehav	en Rev 2	2-EL-6	,7-Floor			Trenco 818 Soundside Rd
Site Inf	ormation	:						Edenton, NC 27932
Project	Customer	: DRB Raleig	gh Proje	ect Nar	ne: DRB R	aleigh Model	Track	
Lot/Blo	ck:			S	ubdivision:	NC		
Model:								
Addres	is:			0	ata.			
City:	l Truce Er	aincorina C	ritoria 8	Docia	ate: n Loads (li	ndividual Tru	ss Dosign	
Drawin	as Show S	Special Load	ing Con	ditions	11 LUAUS (1 5):		ss Design	
Design	Code IR	C2021/TPI20	14		-). D	esion Program.	MiTek 20/2	20.25.2
Wind Co	ode: ASCE	27-16	1-1		D	esign Method:	MWFRS (D	irectional)/C-C hybrid Wind ASCE 7-16
Wind Sp	eed: 120 n	nph			Fl	oor Load: N/A	psf	
Roof Lo	ad: 40.0 ps	sf					- F ~-	
Mean Re	oof Height	(feet): 25			E	xposure Catego	ory: B	
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date	
1	173795559	1FGE1	5/28/25	35	173795593	1F10	5/28/25	
3	173795561	1F1	5/28/25	37	173795595	2FG1	5/28/25	
4 5	173795562	1F1A 1F1B	5/28/25	38 39	173795596	2FG2 2FG3	5/28/25 5/28/25	
ĕ	173795564	1F2	5/28/25	40	173795598	2FG4	5/28/25	
8	173795566	1F3 1F4	5/28/25 5/28/25	41	173795599	2FGE1 2F1	5/28/25 5/28/25	
9 10	173795567	1F5 1F6	5/28/25	43 44	173795601	2F2 2F4	5/28/25	
11	173795569	1FGE7	5/28/25	45	173795603	2F5	5/28/25	
12 13	173795570	1F13 1F20	5/28/25 5/28/25	46 47	173795604	2F6 2F8	5/28/25 5/28/25	
14	173795572	1F18 1F17	5/28/25	48	173795606	2F10	5/28/25	
16	173795574	1F16	5/28/25	50	173795608	2FGE2	5/28/25	
17 18	173795575	1FGE9 1FGE8	5/28/25 5/28/25	52	173795609	2FGE3 2F12	5/28/25 5/28/25	
19	173795577	1F21	5/28/25	53	173795611	2F14	5/28/25	
20 21	173795578	1F22 1F23	5/28/25	54 55	173795612	2F15 2F16	5/28/25	
22 23	173795580	1F24 1F8	5/28/25	56 57	173795614	2F17 2F18	5/28/25	
20	173795582	1FĞE5	5/28/25	58	173795616	2FGE6	5/28/25	
25 26	173795583	1F7 1FGE4	5/28/25 5/28/25	59	173795617	2F20 2F21	5/28/25 5/28/25	
27 28	173795585	1FGE3 1F25	5/28/25	61 62	173795619	2F22A 2F22	5/28/25	
29	173795587	1F19	5/28/25	63	173795621	2F23A	5/28/25	
30 31	173795588	1FGE6 1F15	5/28/25 5/28/25	64 65	173795622	2F24 2F25	5/28/25 5/28/25	
32	173795590	1F14	5/28/25	66	173795624	2F26	5/28/25	
34	173795592	1F11	5/28/25	68	173795626	2F27	5/28/25	
The trus	ss drawing(s	s) referenced a	bove have	e been p	prepared by			ALL UTIN

Truss Engineering Co. under my direct supervision based on the parameters

Truss Engineering Co. under my direct supervision based on the parameters provided by Structural, LLC. Truss Design Engineer's Name: Gilbert, Eric My license renewal date for the state of North Carolina is December 31, 2025 **IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Gilbert, Eric

1 of 2

May 28,2025



RE: 2411-0122-E - Stonehaven Rev 2-EL-6,7-Floor

Trenco 818 Soundside Rd Edenton, NC 27932

No. 69 771 773 775 777 777 777 777 777 780 881 882 884 885	Seal# 173795627 173795628 173795629 173795630 173795630 173795633 173795633 173795634 173795635 173795636 173795637 173795638 173795639 173795640 173795641 173795642 173795643	Truss Name 2FG5 2FGE5 1FGER 1F5A 1F6A 1FGE3A 1FGE10 2F9A 2F11A 2F9A 2F1A 2F9B 2F16A 2F9B 2F16A 2F24A 2F26A 1F26 1F27GE	Date 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25
83 84 85 88 87 88 90 91 92 93 94 95	173795641 173795642 173795643 173795644 173795645 173795645 173795646 173795647 173795649 173795650 173795650 173795651 173795652 173795653	2F26A 1F26 1F28 1F28GE 1F27 2F6A 1F26A 1F26A 1F26A 1F29 1F27AGE 1F28A 1F28A 1F28AGE	5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25 5/28/25

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	1FGE1	Floor Supported Gable	1	1	Job Reference (optional)			



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	1F1	Floor	6	1	I73795561 Job Reference (optional)			

TCLL

TCDI

BCLL

BCDL

WEBS

WEBS

1)

2) 3) Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:13 ID:XtcheEvqwF9sgunSSpqRJjzewIJ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



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Job	Truss	Truss Type	Qty Ply		Stonehaven Rev 2-EL-6,7-Floor			
	1F1A	Floor	3	1	Job Reference (optional)			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14

Page: 1



#### NOTES

WEBS

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

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

4-22=-41/0. 5-22=0/135. 5-21=-368/0.

6-21=0/399, 6-19=-509/0, 8-18=0/768

- All plates are 3x3 (=) MT20 unless otherwise indicated. 2)
- Load case(s) 1 has/have been modified. Building 3) designer must review loads to verify that they are correct for the intended use of this truss.



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Job	Truss	Truss Type Qty		Ply	Stonehaven Rev 2-EL-6,7-Floor				
	1F1B	Floor	1	1	Job Reference (optional)				

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14 Page: 1



#### NOTES

WEBS

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

FORCES

LUMBER

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

3-22=-45/6, 8-19=-765/0, 13-15=-703/0, 13-16=0/425, 12-16=-351/0, 12-17=-126/22,

4-22=-41/0. 5-22=0/135. 5-21=-368/0.

6-21=0/399, 6-19=-509/0, 8-18=0/744

- All plates are 3x3 (=) MT20 unless otherwise indicated. 2)
- Load case(s) 1 has/have been modified. Building 3) designer must review loads to verify that they are correct for the intended use of this truss.



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	1F2	Floor	1	1	Job Reference (optional)			
Structural, LLC, Thurmont, MD -	Run: 25.20 S May 13	2025 Print: 2	25.2.0 S May	, 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14	Page: 1			

TCLL

TCDI

BCLL

BCDL

1)

2) 3) Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14 ID:8tzplXum1Xr\_OZOMmVglBPzewcl-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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A MiTek Af 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor		
	1F13	Floor	6	1	Job Reference (optional)	173795570	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:OLMv\_xB3mhsqHi3dHtv?NfzewMQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







14-6-8

Scale = 1:36.7
----------------

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI201	4 CSI TC BC WB Matrix-S	1.00 0.59 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.25 0.03	(loc) 14-15 14-15 11	l/defl >972 >678 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 77 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood sh except end vertica	eathing directly applie	Unifor Ver Conce Ver	m Loads (lb/ft) t: 11-18=-8, 1-10=- entrated Loads (lb) t: 3=-51	80							
BOT CHORD	Rigid ceiling direct bracing. (size) 11=0-4-	ly applied or 10-0-0 o 8, 18=0-4-8	C									
FORCES	Max Grav 11=640 (lb) - Maximum Co	(LC 1), 18=668 (LC 1 mpression/Maximum	)									
TOP CHORD	Tension 1-18=-40/0, 10-11: 2-3=-1380/0, 3-4=- 5-6=-2046/0, 6-7=- 8-9=-012/0, 9-10-1	=0/62, 1-2=0/0, 1616/0, 4-5=-2162/0, 2046/0, 7-8=-2046/0, 0/0										
BOT CHORD	17-18=0/816, 16-1 14-15=0/2225, 13-	7=0/1616, 15-16=0/20 14=0/2046, 12-13=0/ <sup>-</sup>	002, 1506,									
WEBS	11-12=0/355 6-14=-79/196, 7-13 2-17=0/734, 8-13= 9-12=0/725, 9-11= 3-17=-497/0, 4-163 5-15=-150/3, 5-143	8=-319/0, 2-18=-1023 0/773, 8-12=-774/0, -770/0, 3-16=0/276, =-485/0, 4-15=0/208, =-420/88	/0,								TH CA	ROLIN
NOTES	d floor live loads ha	a been considered fo	.r.						4	22	TOFE?	Vier
<ol> <li>Onbalance this design</li> <li>Load casel designer m for the inte 10-00-00 o (0.131" X 3 at their out</li> <li>LOAD CASE(S 1) Dead + F Plate Incr</li> </ol>	(s) 1 has/have been hust review loads to nded use of this trus nd 2x6 strongbacks, ic and fastened to ei s") nails. Strongback er ends or restrained S) Standard loor Live (balanced) ease=1.00	modified. Building verify that they are co s. on edge, spaced at ach truss with 3-10d ts to be attached to w d by other means.	n rrect alls 00,						2. 111111111		SEA 0363 CA.G	EER. H.

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	1F20	Floor	1	1	Job Reference (optional)	173795571		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:9IgnrVfaKZoiW9dUlo0?hzzewFM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





14-6-8

1-0-0

Scale = 1:39.8

# Plate Offsets (X, Y): [14:0-1-8,Edge]

Loadin TCLL TCDL BCLL BCDL	ng	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.81 0.82 0.80	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.33 0.05	(loc) 15-16 15-16 11	l/defl >999 >523 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 80 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMB TOP C BOT C WEBS BRAC TOP C BOT C	ER HORD HORD ING HORD	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly	athing directly applie cept end verticals. applied or 10-0-0 or	Uniform Vert: 1 Concent Vert: 3 ed or	Loads (lb/ft) 1-19=-8, 1-10=-80 rated Loads (lb) 3=-701, 8=-387								
REAC	TIONS	bracing. (size) 11=0-4-8, Max Grav 11=1070 (	19=0-4-8 (LC 1), 19=1275 (LC	; 1)									
FORC	ES	(lb) - Maximum Com	pression/Maximum	,									
TOP C	Tension OP CHORD 1-19=-42/0, 10-11=-33/0, 1-2=0/0, 2-3=-2899/0, 3-4=-3458/0, 4-5=-3904/0, 5-6=-3683/0, 6-7=-3683/0, 7-8=-3683/0, 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -												
BOT C	HORD	18-19=0/1612, 17-18 15-16=0/3914, 14-15 12-13=0/3248, 11-12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3793, 3245,									
WEBS		6-15=-19/252, 7-14= 2-18=0/1675, 3-17=0 8-14=0/1063, 9-11=- 4-17=-420/0, 4-16=0 5-15=-506/0, 3-18=- <sup>-</sup>	-533/0, 2-19=-2023/ 0/227, 8-13=-289/0, 1704/0, 9-12=0/132 0/146, 5-16=-70/67, 1175/0, 8-12=-1189/	70, 0, 70								TH CA	ROUT
NOTE	s			-							13	O'.:FESS	ISAN Y I
1) Ur thi	balanco s desigi	ed floor live loads have n.	been considered fo	r						4	Ì	2	- T
2) Lo de for	ad case signer r the inte	e(s) 1 has/have been m must review loads to ve ended use of this truss.	nodified. Building prify that they are con	rrect						11111		SEA 0363	L 22
<ol> <li>Re</li> <li>10</li> <li>(0.</li> </ol>	comme -00-00 131" X	end 2x6 strongbacks, or oc and fastened to eacl 3") nails. Strongbacks	n edge, spaced at h truss with 3-10d to be attached to w	alls						111.		· · · ·	All
at	their ou	ter ends or restrained b	by other means.								25	S, GIN	EFF
LOAD	CASE(	S) Standard									11	CAO	II BEIN
1) C F	ead + F late Inc	Floor Live (balanced): L prease=1.00	umber Increase=1.0	00,								Min G	

May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F18	Floor	2	1	Job Reference (optional)	173795572

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:1XsRYEImOL1ywYKj?VTyTezewFq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



14-6-8

Scale = 1:39.8

# Plate Offsets (X, Y): [11:Edge,0-1-8], [14:0-1-8,Edge], [19:Edge,0-1-8]

<b>Loading</b> TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021	/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.90 0.81 0.67	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.37 0.08	(loc) 15-16 15-16 11	l/defl >999 >460 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 82 lb	<b>GRIP</b> 244/190 186/179 FT = 20%F, 12%E	
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP DSS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) *E (flat)	xcept* 9-12:2x4 SP	1) No.2	Dead + Floo Plate Increa Uniform Loa Vert: 11- <sup>-</sup> Concentrate	or Live (balanced): ase=1.00 ads (lb/ft) 19=-8, 1-10=-80 ed Loads (lb) 1005, 81221	Lumbe	Increase=1.	00,						
BRACING TOP CHORD BOT CHORD	Structural wood she 5-3-11 oc purlins, e Rigid ceiling directly bracing.	athing directly applie xcept end verticals. applied or 10-0-0 o	ed or c	ven. 3=-	1005, 6=-1221									
REACTIONS	(size) 11=0-4-8 Max Grav 11=1752	, 19=0-4-8 (LC 1), 19=1731 (L(	C 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum	- ,											
TOP CHORD	1-19=-50/0, 10-11=- 2-3=-3941/0, 3-4=-4 5-6=-5876/0, 6-7=-5 8-9=-4082/0, 9-10=(	36/0, 1-2=0/0, 837/0, 4-5=-5643/0, 876/0, 7-8=-5876/0, 0/0												
BOT CHORD	18-19=0/2288, 17-1 15-16=0/5876, 14-1 12-13=0/5694, 11-1	8=0/4837, 16-17=0/3 5=0/5876, 13-14=0/3 2=0/2252	5364, 5693,											
WEBS	6-15=-235/38, 7-14= 2-18=0/2251, 3-17= 8-13=-143/42, 8-14= 9-12=0/2383, 8-12= 4-16=0/363, 5-16=-3	297/27, 2-19=-283 0/389, 3-18=-1746/0 118/545, 9-11=-28 -2192/0, 4-17=-662/ 357/0, 5-15=-110/37	3/0, ), 25/0, 0, 6								A. I.	OR FESO	Dell'	
NOTES										9	5	It is	Sin 1	
<ol> <li>Unbalance this design</li> <li>All plates a</li> <li>Load case designer m for the inte</li> <li>Recommen 10-00-00 c (0.131" X 3 at their out</li> </ol>	ed floor live loads have are MT20 plates unles (s) 1 has/have been n nust review loads to ve ended use of this truss and 2x6 strongbacks, c bc and fastened to ead 3") nails. Strongbacks ter ends or restrained	e been considered for s otherwise indicate nodified. Building erify that they are co n edge, spaced at th truss with 3-10d to be attached to w by other means.	or d. rrect valls							ALTERNA AND A			L 22 EEREKTUUT	
LOAD CASE(S	<ol> <li>Standard</li> </ol>												(III)	

May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F17	Floor	1	1	Job Reference (optional)	173795573

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:zIpeZ242xdQ8wBhV8VgWQZzewHO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





14-6-8

1-0-0

Scale = 1:39.8

# Plate Offsets (X, Y): [11:Edge,0-1-8], [14:0-1-8, Edge]

			-						-			
Loading	(psf)	Spacing	1-7-3	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.66	Vert(LL)	-0.14	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.32	15-16	>537	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 80 lb	FT = 20%F, 12%E
			Uniform L	ade (lb/ft)								
	2v4 SD SS(flot)		Vort: 11	-108 1-1080								
BOT CHORD	2x4 SF 33(flat)		Concentra	ted Loade (lb)								
WERS	2x4 SF 33(flat)		Vort: 9_	206 2- 662								
WEDS	2x4 SF 100.3(11al)		ven. o=	-000, 3=-002								
BRACING		منامنه والتوجيل ومرمان										
TOP CHORD	Structural wood she	atning directly applie	ed or									
	6-0-0 oc puriins, exi	cept end verticals.	-									
BOT CHORD	kigiu celling ullecuy	applied of 10-0-0 0	Li .									
DEACTIONS		10 0 1 0										
REACTIONS	(SIZE) 11=0-4-8,	19=0-4-8	2.4)									
500050		(LC I), 19=1354 (LC	, I)									
FURCES	(ID) - Maximum Com Tension	ipression/iviaximum										
TOP CHORD	1-19=-42/0, 10-11=-	35/0, 1-2=0/0,										
	2-3=-3096/0, 3-4=-3	702/0, 4-5=-4425/0,										
	5-6=-4555/0, 6-7=-4	555/0, 7-8=-4555/0,										
	8-9=-3129/0, 9-10=0	0/0										
BOT CHORD	18-19=0/1716, 17-18	8=0/3702, 16-17=0/4	4185,									
	15-16=0/4607, 14-15	5=0/4555, 13-14=0/4	4314,									
	12-13=0/4315, 11-12	2=0/1752										
WEBS	2-19=-2152/0, 2-18=	=0/1797, 6-15=-185/	86,									
	7-14=-340/0, 3-17=0	)/356, 8-13=-166/21	,									111.
	8-14=-8/648, 4-1/=-	607/0, 4-16=0/312,	4/0								M' CA	Dalle
	5-16=-293/0, 5-15=-	199/287, 3-18=-127	4/0,								THUM	TO MA
	9-11=-2198/0, 9-12=	=0/1792, 8-12=-1625	5/0							1	ONVESS	AN'S
NOTES									1	5 2		These
1) Unbalance	ed floor live loads have	been considered fo	or								12/ 1	4. 4.
2) Lood coor	(). (a) 1 haa/haya haan m	odified Building							-			
designer r	must review loads to ve	rify that they are co	rrect							:	SEA	L : =
for the inte	anded use of this truce	any mariney are co	neol						=	:	0262	22 : =
3) Recomme	and 2x6 strongbacks	n edge_spaced at							1		0303	
10-00-00	oc and fastened to eac	truss with 3-10d							-	- e		1.5
(0.131" X	3") nails. Strongbacks	to be attached to w	alls						S	-	·	air S
at their ou	iter ends or restrained l	by other means.								11	A VGINI	EELAN
LOAD CASE	(S) Standard									11,	710	OF N
1) Deed (	Electric (holonood), l	umber bereen di	00								IN A G	ILP'IN

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F16	Floor	1	1	Job Reference (optional)	173795574

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:T7SZ6mp6DskqMIJN70JQovzewKK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



14-6-8

Scale = 1:42.2

# Plate Offsets (X, Y): [11:Edge,0-1-8], [15:0-1-8, Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.97 0.95 0.91	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.25 0.05	(loc) 15-16 14-15 11	l/defl >999 >674 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 80 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood shea	athing directly applie	Uniform Lo Vert: 11 Concentrat Vert: 8=-	ads (lb/ft) 19=-8, 1-10=-80 ed Loads (lb) 1097								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc										
REACTIONS	(size) 11=0-4-8, Max Grav 11=1439 (	19=0-4-8 LC 1), 19=916 (LC 1	)									
FORCES	(lb) - Maximum Com	pression/Maximum	,									
TOP CHORD 1-19=-41/0, 10-11=-37/0, 1-2=0/0, 2-3=-1999/0, 3-4=-2382/0, 4-5=-3625/0, 5-6=-4422/0, 6-7=-4422/0, 7-8=-4422/0, 8-9=-3299/0 9-10=0/0												
BOT CHORD	18-19=0/1140, 17-18 15-16=0/4134, 14-15 12-13=0/4578, 11-12	3=0/2382, 16-17=0/3 5=0/4422, 13-14=0/4 2=0/1836	143, 579,									
WEBS	12-13=0/4578, 11-12=0/1836 WEBS 2-19=-1430/0, 2-18=0/1119, 6-15=-500/0, 7-14=0/323, 8-13=0/256, 3-17=0/603, 3-18=-806/0, 8-14=-791/0, 9-11=-2304/0, 9-12=0/1904, 4-17=-955/0, 4-16=0/627, 5-16=-719/0, 5-15=0/869, 8-12=-1751/0							ROLIN				
NOTES									/	33	FESS	This way
<ol> <li>Unbalance this design</li> </ol>	ed floor live loads have	been considered for	r						4		:2	24. Martin
<ol> <li>Load case designer n for the inte</li> <li>Recomme 10-00-00 (0.131" X; at their ou</li> <li>LOAD CASE(1)</li> <li>Dead + F Plate Inc</li> </ol>	 e(s) 1 has/have been m nust review loads to ve ended use of this truss. and 2x6 strongbacks, or oc and fastened to eac 3") nails. Strongbacks ter ends or restrained to <b>S)</b> Standard Floor Live (balanced): L rease=1.00	odified. Building rify that they are cor n edge, spaced at h truss with 3-10d to be attached to wa by other means.	rect alls 0,						11111111111		SEA 0363	L 22 ILBERTIN



May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1FGE9	Floor Supported Gable	1	1	Job Reference (optional)	173795575

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18 ID:UJIOJTaR3pKmbqBNdsGbk5zew57-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:32

1 040000	(nsf)	Spacing	1-7-3	CSI		DEEL	in	(loc)	l/defl	I/d	PI ATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 13 lb	FT = 20%F, 12%E

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_		_	_	••

TOP CHORD BOT CHORD WEBS	2x4 SP No 2x4 SP No 2x4 SP No	0.2(flat) 0.2(flat) 0.3(flat)
OTHERS	2x4 SP No	p.3(flat)
BRACING		
TOP CHORD	Structural 2-1-8 oc p	wood sheathing directly applied or purlins, except end verticals.
BOT CHORD	Rigid ceili bracing.	ng directly applied or 10-0-0 oc
REACTIONS	(size) Max Grav	4=2-1-8, 5=2-1-8, 6=2-1-8 4=28 (LC 1), 5=84 (LC 1), 6=48 (LC 1)
FORCES	(lb) - Maxi Tension	mum Compression/Maximum
TOP CHORD	1-6=-44/0	, 3-4=-22/0, 1-2=-7/0, 2-3=-7/0
BOT CHORD	5-6=0/7, 4	-5=0/7
WEBS	2-5=-80/0	
NOTEO		

NOTES

1) Gable requires continuous bottom chord bearing.

Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 2)

Gable studs spaced at 1-4-0 oc. 3)

Recommend 2x6 strongbacks, on edge, spaced at 4) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	ss Type Qty Ply		Stonehaven Rev 2-EL-6,7-Floor	
	1FGE8	Floor Supported Gable	1	1	Job Reference (optional)	173795576



NOTES

WEBS

FORCES

TOP CHORD

BOT CHORD

Scale = 1:23.3 Loading

TCLL

TCDI

BCLL

BCDL

WEBS

OTHERS BRACING

LUMBER

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

All plates are 1.5x3 (||) MT20 unless otherwise 1) indicated.

7-8=-13/0, 8-9=-13/0

11-12=0/13, 10-11=0/13

Gable requires continuous bottom chord bearing. 2)

8-11=-139/0

Tension

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

14=147 (LC 1), 15=146 (LC 1), 16=149 (LC 1), 17=139 (LC 1),

18=59 (LC 1)

(lb) - Maximum Compression/Maximum

17-18=0/13, 16-17=0/13, 15-16=0/13, 14-15=0/13, 13-14=0/13, 12-13=0/13,

2-17=-128/0, 3-16=-135/0, 4-15=-133/0,

5-14=-133/0, 6-13=-134/0, 7-12=-132/0,

1-18=-53/0, 9-10=-66/0, 1-2=-13/0, 2-3=-13/0, 3-4=-13/0, 4-5=-13/0, 5-6=-13/0, 6-7=-13/0,

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

MILLIN ORTH CAR VIIIIIII 111111111 SEAL 036322 G mm May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F21	Floor	5	1	Job Reference (optional)	173795577

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:?9JJngn\_te\_kdC4J3mAGq5zewCc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

10-10-0

Scale =	1:39.1
---------	--------

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 IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.61 0.90 0.28	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.15 0.02	(loc) 9-10 9-10 8	l/defl >999 >844 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 55 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, ext	athing directly applie	d or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	2									
REACTIONS	(size) 8=0-4-8, 1 Max Grav 8=582 (LC	13=0-5-8 C 1), 13=576 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-13=-61/0, 7-8=-41/ 3-4=-1402/0, 4-5=-14 6-7=0/0	/0, 1-2=-4/0, 2-3=-11 402/0, 5-6=-1083/0,	18/0,									
BOT CHORD	ORD 12-13=0/665, 11-12=0/1402, 10-11=0/1402, 9-10=0/1395, 8-9=0/706											
WEBS	3-11=0/236, 4-10=-1 2-12=0/589, 3-12=-5 6-9=0/491, 5-9=-406	28/0, 2-13=-830/0, 84/0, 6-8=-886/0, 6/0, 5-10=-104/246										

#### NOTES

 Unbalanced floor live loads have been considered for this design.

 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.

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F22	Floor	6	1	Job Reference (optional)	173795578

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:uk76KUSUwYvwkfnunpfAYhzewBI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 12-10-0

<b>Loading</b> TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.50 0.65 0.31	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.03	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20	<b>GRIP</b> 244/190	
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%F, 12%E	
LUMBER TOP CHOF BOT CHOF WEBS OTHERS BRACING TOP CHOF	<ul> <li>2x4 SP No.2(flat)</li> <li>2x4 SP No.2(flat)</li> <li>2x4 SP No.3(flat)</li> <li>2x4 SP No.3(flat)</li> <li>2x4 SP No.3(flat)</li> </ul>	athing directly applic	ed or										
BOT CHOF	<ul> <li>b-0-0 oc purlins, ex</li> <li>Rigid ceiling directly bracing.</li> </ul>	cept end verticals. applied or 10-0-0 of	с										
REACTION	IS (size) 9=0-4-8, 2 Max Grav 9=692 (LC	14=0-5-8 C 1), 14=686 (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHOF	D 1-14=-36/0, 8-9=-40 3-4=-2049/0, 4-5=-2 6-7=-1345/0, 7-8=0/	/0, 1-2=-2/0, 2-3=-1; 049/0, 5-6=-2049/0, 0	346/0,										
BOT CHOF	2D 13-14=0/848, 12-13: 10-11=0/1807, 9-10:	=0/1807, 11-12=0/20 =0/848	049,										
WEBS	4-12=-229/0, 5-11=- 2-13=0/649, 3-13=-6 7-10=0/646, 6-10=-6 3-12=0/506	241/0, 2-14=-1061/0 601/0, 7-9=-1064/0, 603/0, 6-11=0/512,	),										
NOTES											munn	unin.	
<ol> <li>Unbala this des</li> <li>Recom 10-00-0 (0.131"</li> </ol>	nced floor live loads have sign. mend 2x6 strongbacks, o 10 oc and fastened to eac X 3") nails. Strongbacks	been considered for in edge, spaced at th truss with 3-10d to be attached to w	or						4	iii)	ORTH CA		
at their	outer ends or restrained	by other means							-				

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F23	Floor	1	1	I7 Job Reference (optional)	73795579

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:vMIgkMhTvumSzLaUmEU4hCzewA9-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 12-10-0

2-10-0

Scale = 1:36.8
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													_
<b>Loading</b> TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI           TC         0           BC         0           WB         0	.58 .72 .31	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.03	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20	<b>GRIP</b> 244/190	
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%F, 12%E	
LUMBER TOP CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 9=0-4-8, 1 Max Grav 9=1012 (L (lb) - Maximum Com Tension 1-14=-36/0, 8-9=-356 2-3=-1346/0, 3-4=-21 5-6=-2050/0, 6-7=-11 13-14=0/848, 12-13 10-11=0/1807, 9-10 4-12=-229/0, 5-11=-2 2-13=0/649, 3-13=-6	athing directly applie cept end verticals. applied or 10-0-0 oc 14=0-5-8 .C 1), 14=686 (LC 1) pression/Maximum 9/0, 1-2=-2/0, 050/0, 4-5=-2050/0, 345/0, 7-8=0/0 =0/1807, 11-12=0/20 =0/848 241/0, 2-14=-1061/0 001/0, 3-12=0/506, vert = 100000000000000000000000000000000000	Concentrate Vert: 8=-: d or 50,	ed Loads (lb) 320									
NOTES 1) Unbalance this design 2) Load case designer m for the inte 10-00-00 c (0.131" X 3 at their out 4) CAUTION, LOAD CASE( 1) Dead + F Plate Incr Uniform L Vert: 9	b-11=0/512 ad floor live loads have (s) 1 has/have been m hust review loads to ve anded use of this truss. (s) and 2x6 strongbacks, or the constrained to ad 2x6 strongbacks (s) con terect truss bar (s) con terect truss bar (s) Standard loor Live (balanced): L rease=1.00 Loads (lb/ft) -14=-10, 1-8=-100	been considered for nodified. Building rify that they are cor n edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards.	rect alls						Mannan Maria		SEA 0363	22 E.R. R. H.	

TRENGINEERING BY A MITCH Attiliate

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F24	Floor	1	1	Job Reference (optional)	173795580

### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:50WgAIEhliQ3sFW8vBoe0hzew9S-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 12-10-0

Scale = 1:36.8

												_
<b>Loading</b> TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI TC 0.5 BC 0.7 WB 0.3	B DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.03	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20	<b>GRIP</b> 244/190	
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S						Weight: 64 lb	FT = 20%F, 12%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) Load case designer m for the inte 3) Recommer 10-00-00 o (0.131" X 3 at their out 4) CAUTION, LOAD CASE(S 1) Dead + F Plate Incr Uniform L Vert: 9-	2x4 SP No.2(flat) 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) 2x4 SP No.3(flat) 3x4 SP No.3(flat) (i) 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	athing directly applie cept end verticals. applied or 10-0-0 oc 14=0-5-8 .C 1), 14=686 (LC 1) pression/Maximum 9/0, 1-2=-2/0, 050/0, 4-5=-2050/0, 345/0, 7-8=0/0 =0/1807, 11-12=0/20 00/848 241/0, 2-14=-1061/0 501/0, 7-9=-1064/0, 502/0, 6-11=0/512, e been considered fo nodified. Building erify that they are cor n edge, spaced at th truss with 3-10d to be attached to wa by other means. ckwards.	Concentrativert: 8=-	ed Loads (lb) 320						SEA 0363	L 22 L 28 2025	
										iviay		

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F8	Floor	6	1	Job Reference (optional)	173795581

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:N51nABj5p09npLTPK1E95ezewPc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





#### Scale = 1:24.4

00ale = 1.24.4													
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	0.29	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.02	7-8	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	6	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 41 lb	FT = 20%F, 12%E	
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP No.2(flat)												
WEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
BRACING													

TOP CHORD	Structural wood sheathing directly applied or
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 6=0-4-8, 9=0-5-8
	Max Grav 6=399 (LC 1), 9=393 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-9=-37/0, 5-6=-1/0, 1-2=-2/0, 2-3=-615/0,
	3-4=-548/0, 4-5=0/0
BOT CHORD	8-9=0/456, 7-8=0/740, 6-7=0/326
WEBS	2-9=-570/0, 2-8=0/207, 3-8=-163/0,
	3-7=-251/0. 4-7=0/288. 4-6=-507/0

#### NOTES

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

# SEAL 036322 May 28,2025

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 **ANSUTPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	172705592	
	1FGE5 Floor Supported Gable		1	1	Job Reference (optional)		
Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18				B Page: 1			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18 ID:zsyvMtdOpE9Zv1mvgwomDEzew3n-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:26.2

Loading		(psf)	Spacing	2-0-0	CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00		0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.00	BC	0.02	Vert(IL)	n/a	-	n/a	999		
BCLL		0.0	Rep Stress Incr	YES	WB	0.03	Horiz(IL)	0.00	7	n/a	n/a		
BCDL		5.0	Code	IRC2021/1PI2014	Matrix-R							Weight: 28 lb	FI = 20%F, 12%E
TOP CHORD	2x4 SP N	lo 2(flat)											
BOT CHORD	2x4 SP N	lo.2(flat)											
WEBS	2x4 SP N	24 SP (0.3(flat)											
OTHERS	2x4 SP N	lo.3(flat)											
BRACING		( )											
TOP CHORD	Structura	I wood she	athing directly applie	ed or									
	5-11-12 oc purlins, except end verticals.												
BOT CHORD	Rigid cei bracing.	ling directly	applied or 10-0-0 of	0									
REACTIONS	(size)	7=5-11-12	2, 8=5-11-12, 9=5-1 <sup>2</sup>	1-12,									
	. ,	10=5-11-1	2, 11=5-11-12,										
		12=5-11-1	2										
	Max Grav	7=21 (LC	1), 8=104 (LC 1), 9=	=153									
		(LC 1), 10	=145 (LC 1), 11=14 (I C 1)	7 (LC									
FORCES	(lb) - May	imum Com	nression/Maximum										
	Tension												
TOP CHORD	) 1-12=-49/0. 6-7=-13/0. 1-2=-7/0. 2-3=-7/0.												
	3-4=-7/0,	4-5=-7/0, 5	5-6=-7/0										
BOT CHORD	11-12=0/	7, 10-11=0/	7, 9-10=0/7, 8-9=0/	7,									
	7-8=0/7												
WEBS	2-11=-13	2/0, 3-10=-	133/0, 4-9=-138/0,										
	5-8=-102	/0										minin	unin.
NOTES											10	"TH CA	Rolly
1) All plates a	are 1.5x3 (	) MT20 un	less otherwise								15	R	3 Chile
indicated.											2.2		Distan
<ol><li>Gable req</li></ol>	uires contin	uous bottor	m chord bearing.							4		KA IL	VE.V.

- Truss to be fully sheathed from one face or securely 3) braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 5) (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F7	Floor	8	1	Job Reference (optional)	173795583

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:HnuHvkhjNO\_cfXd7UIEmICzewSE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





11-6-12

1-0-0

Scale = 1:36.8

Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.61	DEFL Vert(LL)	in -0.12	(loc) 10-11	l/defl >999	L/d 480	PLATES MT20	<b>GRIP</b> 244/190	
	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.16	10-11	>829	360			
BCLL BCDL	0.0 5.0	Code	IRC2021/TPI2014	Matrix-S	0.29	Horz(CT)	0.01	8	n/a	n/a	Weight: 58 lb	FT = 20%F, 12%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)												
TOP CHORD	P CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.												
BOT CHORD	Rigid ceiling directly bracing.	/ applied or 10-0-0 o	C										
REACTIONS	(size) 8=0-4-8, Max Grav 8=415 (L	13=0-5-8 C 1), 13=411 (LC 1)											

FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-13=-29/0, 7-8=-52/0, 1-2=-2/0, 2-3=-785/0,
	3-4=-1086/0, 4-5=-997/0, 5-6=-997/0, 6-7=0/0
BOT CHORD	12-13=0/494, 11-12=0/1064, 10-11=0/997,
	9-10=0/997, 8-9=0/493
WEBS	4-10=-156/0, 5-9=-248/0, 2-13=-617/0,

2-12=0/380, 3-12=-362/0, 3-11=-8/119, 4-11=-69/174, 6-8=-619/0, 6-9=0/614

NOTES

 Unbalanced floor live loads have been considered for this design.

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

SEAL 036322 May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1FGE4	Floor Supported Gable	1	1	Job Reference (optional)	173795584

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18 ID:Xb1O33c0E2hhOM0wVQ6qvSzewR1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:27.7

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-7-3 1.00 1.00	CSI TC BC	0.06 0.01	<b>DEFL</b> Vert(LL) Vert(TL)	in n/a n/a	(loc) -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 244/190
BCLL BCDI	0.0 5.0	Rep Stress Incr	YES IRC2021/TPI201	WB 4 Matrix-R	0.03	Horiz(TL)	0.00	11	n/a	n/a	Weight: 50 lb	FT = 20%F 12%F
0002	0.0	0000		i induix it							Wolght. 66 lb	11-20/01,12/02
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)		5) Recom 10-00-( (0.131" at their 6) CAUTI LOAD CAS	mend 2x6 strongbacks 00 oc and fastened to X 3") nails. Strongba outer ends or restrain DN, Do not erect truss <b>(F(S)</b> 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.	alls					
TOP CHORD	Structural wood she	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	2									
REACTIONS	(size) 11=11-6- 13=11-6- 15=11-6- 17=11-6- 19=11-6- 19=11-6- 19=11-6- 19=11-6- 13=122 (L 13=122 (L 15=118 (L 19=118 (L	12, 12=11-6-12, 12, 14=11-6-12, 12, 16=11-6-12, 12, 18=11-6-12, 12, 20=11-6-12 C 1), 12=93 (LC 1), LC 1), 14=116 (LC 1) LC 1), 16=117 (LC 1) LC 1), 18=117 (LC 1) LC 1), 20=42 (LC 1)	), , ),									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-20=-39/0, 10-11=- 3-4=-5/0, 4-5=-5/0, 5 7-8=-5/0, 8-9=-5/0, 9	24/0, 1-2=-5/0, 2-3=- 5-6=-5/0, 6-7=-5/0, 9-10=-5/0	-5/0,									Della
BOT CHORD	19-20=0/5, 18-19=0/ 15-16=0/5, 14-15=0/ 11-12=0/5	/5, 17-18=0/5, 16-17 /5, 13-14=0/5, 12-13	=0/5, =0/5,							A. C.	ORTHOR	NA STR
WEBS	2-19=-106/0, 3-18=- 5-16=-107/0, 6-15=- 8-13=-110/0, 9-12=-	107/0, 4-17=-107/0, 107/0, 7-14=-106/0, 88/0							U		SEA	
NOTES									= =	- 1	0202	50 E
1) All plates indicated.	are 1.5x3 (  ) MT20 ur	less otherwise									0363	
<ol> <li>Gable req</li> <li>Truss to b</li> </ol>	uires continuous botton e fully sheathed from o	m chord bearing. one face or securely									N. ENGIN	FERIX

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

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



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F25	Floor	1	1	Job Reference (optional)	173795586

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:17 Page: 1 ID:sNa\_ZwxiPrshRJXUs4LTv7zew8X-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 12-10-0

Scale = 1:36.8

TCLL       40.0       Plate Grip DOL       1.00       TC       0.68       Vert(L1)       -0.11       12.13       >999       480       MT20       244/190         TCDL       0.0       Rep Stress Incr       NO       WB       0.31       Vert(CT)       -0.14       12.13       >999       360       Weight: 64 lb       FT = 20%F, 12%E         BCDL       5.0       Code       IRC2021/TPI2014       Matrix-S       Vert(CT)       -0.14       12.13       >999       360       Weight: 64 lb       FT = 20%F, 12%E         LUMBER       Code       IRC2021/TPI2014       Matrix-S       Vert: 8=-320       Vert: 8
ICUL       10.0       Lumber DOL       1.00       BC       0.72       Vert(C1)       -0.14       12-13       599       300         BCLL       0.0       Rep Stress Inr       NO       WB       0.31       Horz(CT)       0.03       9       n/a       n/a         BCDL       5.0       Code       IRC2021/TPI2014       Matrix-S       Weight: 64 lb       FT = 20%F, 12%E         LUMBER       Concentrated Loads (lb)       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320         BOT CHORD       2x4 SP No.3(flat)       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320         BRACING       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.       Vert: 8=-320       Vert: 8=-320         BOT CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc parains, except end verticals.       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320         REACTIONS       (size)       9=-04-8, 14=-0-5-8       Max Grav       9=-012 (LC 1), 14=686 (LC 1)       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320       Vert: 8=-320
BCDL         5.0         Code         IRC2021/TPI2014         Matrix-S         Intel(e1)         0.00         0         Intel(e1)         0         0         0         0         1         Intel(e1)         0         0         0         0         1         Intel(e1)         0
LUMBER         Concentrated Loads (lb)           TOP CHORD         2x4 SP No.2(flat)         Vert: 8=-320           BOT CHORD         2x4 SP No.3(flat)         Vert: 8=-320           OTHERS         2x4 SP No.3(flat)         Vert: 8=-320           Structure         Structure         Vert: 8=-320           BOT CHORD         Rigid ceiling directly applied or 10-0-0 oc bracing.         Vert: 8=-320           Structure         Sigid ceiling directly applied or 10-0-0 oc bracing.         Vert: 8=-320           FORCES         (b) - Naximum Compression/Maximum         Vert: 8=-320           ToP CHOR         1-14=-36/0, 3=-359/0, 1-2=-200, 2-30-146/0, 3=-350/0, 4-5=-2050/0, 4-5=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0           Sort-OtoP         3-14=-0/48
TOP CHORD       2x4 SP No.2(flat)       Vert: 8=-320         BOT CHORD       2x4 SP No.2(flat)          WEBS       2x4 SP No.3(flat)          OTHERS       2x4 SP No.3(flat)          BRACING       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.          BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.          REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Grav          Max Grav       9=1012 (LC 1), 14=686 (LC 1)          FORCES       (b) - Maximum Compression/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Maximum Tension/Tension/Secondo (4-5=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0          BOT CHORD       13-14=-0/484, 81-21-3=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
BOT CHORD $2x4$ SP No.2(fiat)         WEBS $2x4$ SP No.3(fiat)         OTHERS $2x4$ SP No.3(fiat)         BRACING       TOP CHORD         TOP CHORD       Structural wood sheathing directly applied or 6-0-0 cc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 cc bracing.         REACTIONS       (size) $9=0-4.8$ , 14=0-5-8 Max Grav         Max Grav $9=1012$ (LC 1), 14=686 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD $1.14=-36/0$ , 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD $1.3+4=-0848$ , 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
VVEDS       2x4 SP No.3(flat)         OTHERS       2x4 SP No.3(flat)         BRACING          TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Grav       9=1012 (LC 1), 14=686 (LC 1)         FORCES       (lb) - Maximum Compression/Maximum Tension       Top CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD       13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848       12-12
BRACING         TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Grav         (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD       13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Gray         Max Gray       9=1012 (LC 1), 14=686 (LC 1)         FORCES       (lb) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD       13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
6-0-0 oc purlins, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Gray         Max Gray       9=1012 (LC 1), 14=686 (LC 1)         FORCES       (lb) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 5-6=-2050/0, 5-6=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD       13-14=-0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max         Max Grav       9=1012 (LC 1), 14=686 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0         BOT CHORD       13-14=-0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
REACTIONS       (size)       9=0-4-8, 14=0-5-8 Max Grav       9=1012 (LC 1), 14=686 (LC 1)         FORCES       (lb) - Maximum Compression/Maximum Tension
FORCES       (lb) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=-0/0         BOT CHORD       13-14=-0/848, 12-13=-0/1807, 11-12=-0/2050, 10-11=0/1807, 9-10=0/848
TOP CHORD 1-14=-36/0, 8-9=-359/0, 1-2=-2/0, 2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0 BOT CHORD 13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
2-3=-1346/0, 3-4=-2050/0, 4-5=-2050/0, 5-6=-2050/0, 6-7=-1345/0, 7-8=0/0 BOT CHORD 13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
5-6=-2050/0, 6-7=-1345/0, 7-8=0/0 BOT CHORD 13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
BOT CHORD 13-14=0/848, 12-13=0/1807, 11-12=0/2050, 10-11=0/1807, 9-10=0/848
WEBS 4-12=-229/0, 5-11=-241/0, 2-14=-1061/0,
2-13=0/649, 3-13=-601/0, 7-9=-1064/0,
7-10=0/646, 6-10=-602/0, 6-11=0/512, 3-12=0/506
NOTES
1) Unbalanced floor live loads have been considered for
this design.
2) Load case(s) 1 has/have been modified. Building
designer must review loads to verify that they are correct
of the interfued use of this trusts.
10-00-00 oc and fastened to each truss with 3-10d = SEAL =
(0.131" X 3") nails. Strongbacks to be attached to walls
at their outer ends or restrained by other means.
4) CAUTION, Do not effect truss backwards.
LOAD CASE(5) Standard
Plate Increase=1.00
Uniform Loads (Ib/ft)
Vert: 9-14=-10, 1-8=-100
May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor
	1F19	Floor	1	1	Job Reference (optional)

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:6wCg9RgKHGQBeY60NhQYKnzew7b-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 12-10-0

Scale =	1:36.8
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<b>Loading</b> TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI TC 0.58 BC 0.72 WB 0.31	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.03	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S						Weight: 64 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance	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) 2x4 SP No.3(flat) Structural wood shei 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 9=0-4-8, 1 Max Grav 9=1069 (L (lb) - Maximum Com Tension 1-14=-36/0, 8-9=-411 2-3=-1346/0, 3-4=-21 5-6=-2050/0, 6-7=-11 13-14=0/848, 12-13 10-11=0/807, 9-10 4-12=-229/0, 5-11=-1 2-13=0/649, 3-13=-6 7-9=-1064/0, 7-10=0 6-11=0/512	athing directly applie cept end verticals. applied or 10-0-0 oc 14=0-5-8 .C 1), 14=686 (LC 1) pression/Maximum 6/0, 1-2=-2/0, 050/0, 4-5=-2050/0, 345/0, 7-8=0/0 =0/1807, 11-12=0/20 =0/848 241/0, 2-14=-1061/0 501/0, 3-12=0/506, 1/646, 6-10=-602/0,	Concentrate Vert: 8=- d or 50,	ed Loads (lb) 377							111111 RO.
<ol> <li>Load case designer m for the inte</li> <li>Recomment</li> <li>10-00-00 co (0.131" X 3 at their out</li> <li>CAUTION</li> <li>LOAD CASE(9</li> <li>Dead + F Plate Incr Uniform L Vert: 9</li> </ol>	(s) 1 has/have been m nust review loads to ve ended use of this truss. nd 2x6 strongbacks, o be and fastened to eac and fastened to eac and fastened to eac and fastened to eac ter ends or restrained I , Do not erect truss ba <b>S</b> ) Standard Floor Live (balanced): L rease=1.00 Loads (lb/ft) -14=-10, 1-8=-100	nodified. Building erify that they are cor n edge, spaced at th truss with 3-10d to be attached to wa by other means. ckwards. .umber Increase=1.0	rect alls 10,					Walthin		SEA 0363	L 22 L BER. L BER. L BER. L 1 28,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1FGE6	Floor Supported Gable	1	1	Job Reference (optional)	173795588

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18 ID:aNITxbud2ohdoJUTQTIm3azew7J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:33.9

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	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL		0.0	Rep Stress Incr	NO		WB	0.06	Horiz(TL)	0.00	18	n/a	n/a		
BCDL		5.0	Code	IRC202	21/1912014	Matrix-R							Weight: 82 lb	FT = 20%F, 12%E
LUMBER				N	OTES									
TOP CHORD	2x4 SP N	lo.2(flat)		1	) All plates are	1.5x3 (  ) MT20	unless o	therwise						
BOT CHORD	2x4 SP N	lo.2(flat)			indicated.									
WEBS	2x4 SP N	lo.3(flat)		2	) Gable require	es continuous bot	tom chor	d bearing.						
OTHERS	2x4 SP N	lo.3(flat)		3	) I russ to be t	at lateral movement	n one rac	e or securely						
BRACING				4	Cable stude	st lateral moveme	ant (i.e. 0	liagonal web).	•					
TOP CHORD	Structura	I wood she	athing directly applie	ed or 5	l l oad case(s)	1 has/have heen	modifier	Building						
	6-0-0 oc	purlins, exe	cept end verticals.	. 0	designer mu	st review loads to	verify the	at they are co	rrect					
BOICHORD	bracing.	ing directly	applied or 10-0-0 oc	2	for the intend	led use of this trus	SS.							
REACTIONS	(size)	18=19-7-8	3, 19=19-7-8, 20=19-	-7-8, <sup>6</sup>	) Recommend	2x6 strongbacks,	on edge	e, spaced at						
	( )	21=19-7-8	3, 22=19-7-8, 23=19-	-7-8,	10-00-00 oc	and fastened to e	ach truss	s with 3-10d						
		24=19-7-8	8, 25=19-7-8, 27=19-	-7-8,	(0.131 X 3 )	nalis. Strongbac	ks to be	allached to w	ans					
		28=19-7-8	3, 29=19-7-8, 30=19·	-7-8, 7		o not erect truss b	u by our hackwar	10 1110 ans.						
		31=19-7-8	3, 32=19-7-8, 33=19·	-7-8,		Standard	Jaonman							
	May 0	34=19-7-8	3	. 1	Dead + Flor	or Live (balanced)	· Lumbe	r Increase-1	00					
	Max Grav	18=1/1 (L 20-150 (L	C 1), 19=122 (LC 1)	), '	Plate Increa	se=1.00	. Lumbe		00,					
		20=100 (L 22=125 (L	C(1), 21=151 (LC(1)) C(1), 23=250 (LC(1))	), )	Uniform Loa	ads (lb/ft)								
		24=257 (L	C(1), 25=124 (LC(1))	)	Vert: 18-	34=-10, 1-17=-10	0							
		27=152 (L	C 1), 28=145 (LC 1)	),	Concentrate	ed Loads (lb)								
		29=147 (L	C 1), 30=147 (LC 1)	),	Vert: 17=	-131, 36=-179								
		31=147 (L	C 1), 32=147 (LC 1)	),										
		33=147 (L	-C 1), 34=53 (LC 1)										minin	11111
FORCES	(lb) - Max Tension	kimum Com	pression/Maximum										"TH CA	Routin
TOP CHORD	1-34=-49	/0, 17-18=-	164/0, 1-2=-7/0, 2-3=	=-7/0,								A	OVEESS	16: 14 ···
	3-4=-7/0,	4-5=-7/0, 5	5-6=-7/0, 6-7=-7/0,									SE	· · ·	TIMA
	7-8=-7/0,	8-9=-7/0, 9	9-10=-7/0, 10-11=-7/	0,							2	U		
	11-13=-7	/0, 13-14=-	7/0, 14-15=-7/0,								-		054	· · · · ·
	15-16=-7	/0, 16-17=-	//U 2 21 22 0/7 20 21	0/7							=		SEA	L <u>; </u> ; ; ;
BOT CHORD	33-34=0/ 20-30=0/	7,32-33=0/ 7,28-20-0/	7,31-32=0/7,30-31	=0/7, -0/7									0363	22 : E
	29-30=0/ 24-25=0/	7,20-29=0/ 7,23-24=0/	7, 27-28=0/7, 23-27	=0/7, =0/7							-		. 0000	
	20-21=0/	7, 19-20=0/	7, 18-19=0/7	-0/1,							-	1		1. 2
WEBS	2-33=-13	2/0, 3-32=-	134/0, 4-31=-133/0.									- 1	N. ENG	CRIL S
	5-30=-13	3/0, 6-29=-	134/0, 7-28=-132/0,									31	A, GIN	E.F. AN
	8-27=-13	9/0, 9-25=-	111/0, 10-24=-244/0	,								1	CA -	IL BEIN
	11-23=-2	37/0, 13-22	=-112/0, 14-21=-138	3/0,									11, A. G	IL
	15-20=-1	36/0, 16-19	=-114/0										<i>in</i> nn	1111
													Мау	/ 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F15	Floor	1	1	Job Reference (optional)	173795589

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:16 Page: 1 ID:LY3x63qJHzXJ8rdptVMQ0qzewLb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



14-6-8

Scale = 1:39

## Plate Offsets (X, Y): [11:Edge,0-1-8], [14:0-1-8,Edge], [15:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TF	912014	<b>CSI</b> TC BC WB Matrix-S	0.90 0.91 0.86	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.24 0.05	(loc) 15-16 14-15 11	l/defl >999 >708 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 77 lb	<b>GRIP</b> 244/190 FT = 20%F,	12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood she 5-8-3 oc purlins, ex	athing directly applie cept end verticals.	L C	Jniform Loa Vert: 11-1 Concentrate Vert: 8=-1	uds (lb/ft)  8=-8, 1-10=-80 d Loads (lb) 007									
REACTIONS	Rigid ceiling directly bracing. (size) 11=0-4-8, Max Gray 11=1371	applied or 10-0-0 oc 18=0-4-8 (I C 1) 18=894 (I C 1	1)											
FORCES	(lb) - Maximum Com	pression/Maximum	.,											
TOP CHORD	1-18=-32/0, 10-11=- 2-3=-1932/0, 3-4=-3 5-6=-4232/0, 6-7=-4 8-9=-3127/0, 9-10=0	36/0, 1-2=0/0, 300/0, 4-5=-3300/0, 232/0, 7-8=-4232/0, 0/0												
BOT CHORD	17-18=0/1126, 16-17 14-15=0/4232, 13-14	7=0/2703, 15-16=0/3 4=0/4356, 12-13=0/4	3781, 355,											
WEBS	6-15=-377/0, 7-14=- 2-17=0/1050, 3-17=- 4-16=-98/0, 5-16=-6 9-11=-2192/0, 9-12= 8-12=-1666/0 8-14=	19/307, 2-18=-1412/ -1004/0, 3-16=0/762, 34/0, 5-15=0/894, =0/1796, 8-13=0/259, -761/0	0, ,									TH CA	ROL	•
NOTES	0.12 1000,0,0 11	10110									S.	OFESA	Bi V	110
<ol> <li>Unbalance this design</li> </ol>	d floor live loads have	been considered for	r								D	:2	Cz?	1
<ol> <li>Load case designer m for the inter</li> </ol>	(s) 1 has/have been m nust review loads to ve nded use of this truss	nodified. Building erify that they are cor	rect							11111		SEA 0363		ALL D
<ol> <li>Recommer 10-00-00 o (0.131" X 3 at their out</li> </ol>	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks er ends or restrained	n edge, spaced at h truss with 3-10d to be attached to wa	alls							THE P			ERA	nunn.
LOAD CASE(S	S) Standard	,									11	20	BEIN	
1) Dead + Fl Plate Incr	loor Live (balanced): L ease=1.00	umber Increase=1.0	)0,									May	28,2025	
<b>A</b>													remunder.	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER KEFERENCE 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	Stonehaven Rev 2-EL-6,7-Floor	
	1F14	Floor	1	1	Job Reference (optional)	173795590



#### Scale = 1:39

# Plate Offsets (X, Y): [14:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.70 0.56 0.38	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.23 0.03	(loc) 15-16 15-16 11	l/defl >999 >742 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 77 lb	<b>GRIP</b> 244/190 FT = 20%F. 12%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat)		Uniform Lo Vert: 11 Concentra Vert: 8=	bads (lb/ft) -18=-8, 1-10=-80 ted Loads (lb) -141								
TOP CHORD	Structural wood she 6-0-0 oc purlins, exe Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or	ed or c									
REACTIONS	(size) 11=0-4-8,	18=0-4-8	\									
FORCES	(lb) - Maximum Com	pression/Maximum	)									
TOP CHORD	Tension 1-18=-31/0, 10-11=- 2-3=-1355/0, 3-4=-2 5-6=-2328/0, 6-7=-2 8-9=-1527/0, 9-10=0	33/0, 1-2=0/0, 186/0, 4-5=-2186/0, 328/0, 7-8=-2328/0,										
BOT CHORD	17-18=0/823, 16-17= 14-15=0/2328, 13-14 11-12=0/912	=0/1871, 15-16=0/23 4=0/2047, 12-13=0/2	362, 2049,									
WEBS	6-15=-132/2, 7-14=- 2-17=0/693, 3-17=-6 4-16=-59/0, 5-16=-2 9-11=-1145/0, 9-12= 8-13=-216/22, 8-14=	359/0, 2-18=-1033/0 71/0, 3-16=0/403, 51/0, 5-15=-157/269 0/800, 8-12=-709/0, 0/752	), Э,								TH CA	ROUTIN
NOTES	, -									5.	O'.:FESS	ISAN VIL
1) Unbalance	ed floor live loads have	been considered fo	pr						4		.0	
<ol> <li>Load case designer m for the inte</li> </ol>	(s) 1 has/have been m nust review loads to ve ended use of this truss.	nodified. Building erify that they are con	rrect								SEA 0363	L
<ol> <li>Recomment 10-00-00 ct (0.131" X 3 at their out</li> </ol>	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained l	n edge, spaced at th truss with 3-10d to be attached to we by other means	alls						111.		NGINI	ERA
LOAD CASE(S	S) Standard	-,								14	710	BELIN
1) Dead + F Plate Incr	loor Live (balanced): L rease=1.00	umber Increase=1.0	00,								May	28,2025
					170	(0/0000 DEE000					-	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTER 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 **ANS/TPH1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



818 Soundside Road Edenton, NC 27932 Page: 1

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F12	Floor	1	1	Job Reference (optional)	173795591

 Run: 25.20 S
 May 13 2025 Print: 25.2.0 S
 May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15
 Page: 1

 ID:\_V9Ln6xWUYLgudXn6gYJZRzewMk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f
 Page: 1

818 Soundside Road Edenton, NC 27932





14-6-8

1-0-0

Scale = 1:33.6

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

Loading TCLL TCDL BCLL BCDI	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	1.00 0.74 0.39	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.19 -0.28 0.03	(loc) 13-14 13-14 10	l/defl >920 >606 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 76 lb	<b>GRIP</b> 244/190 ET = 20%F	12%F
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood she except end verticals	athing directly applie	Uniform Li Vert: 10 Concentra Vert: 1=	Dads (lb/tt) -17=-8, 1-9=-80 ted Loads (lb) -173, 3=-102							Wolgin. To ib		12702
REACTIONS	(size) 10=0-4-8, Max Grav 10=656 (L	17=0-4-8 _C 1), 17=876 (LC 1)	)										
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD	1-17=-202/0, 9-10=0 2-3=-1448/0, 3-4=-1 5-6=-2144/0, 6-7=-2 8-9=0/0	0/62, 1-2=0/0, 989/0, 4-5=-2307/0, 144/0, 7-8=-932/0,	202										
	13-14=0/2144, 12-13 10-11=0/362	=0/1989, 14-15=0/22 3=0/2144, 11-12=0/1	1562,										
WEBS	5-13=-259/0, 6-12=- 2-16=0/744, 7-12=0/ 8-11=0/743, 8-10=-7 3-16=-703/0, 4-15=- 5-14=-76/332	300/0, 2-17=-1100/0 /827, 7-11=-820/0, 784/0, 3-15=0/223, 380/0, 4-14=-57/145	), i,								TH CA	ROUT	
NOTES										35	O FESS	Riv	1
<ol> <li>Unbalance</li> <li>this design</li> </ol>	d floor live loads have	e been considered fo	r						4		ion /	Z	
<ol> <li>Load case( designer m for the inter</li> </ol>	(s) 1 has/have been m nust review loads to ve	nodified. Building erify that they are cor	rrect						11111		SEA		LUU I
3) Recommer 10-00-00 o (0.131" X 3	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks	in edge, spaced at ih truss with 3-10d is to be attached to wa	alls						1111				nnn,
at their out	er ends or restrained l	by other means.								15	GIN	E.A.	5
LOAD CASE(S 1) Dead + Fl Plate Incr	<ul> <li>Standard</li> <li>loor Live (balanced): L</li> <li>ease=1.00</li> </ul>	_umber Increase=1.0	00,								May	ILBE.	
Δ												,	

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

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F11	Floor	1	1	Job Reference (optional)	173795592

 Run: 25.20 S
 May 13 2025 Print: 25.2.0 S
 May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15
 Page: 1

 ID:wLDF39ZR0jJD2i5dEyzpGhzewNE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f
 <a href="https://www.sciencemburgle.com">www.sciencemburgle.com</a>

818 Soundside Road Edenton, NC 27932





14-6-8

1-0-0

Scale = 1:33.6

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

bcc)         l/defl         L/d         PLATES         GRIP           14         >999         480         MT20         244/190           14         >596         360             10         n/a         n/a         Weight: 76 lb         FT = 20%F, 12%E	(loc) l/defl 13-14 >999 13-14 >596 10 n/a	(loc) 13-14 13-14 13-14	in -0.17 -0.29 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	0.61 0.78 0.45	CSI TC BC WB Matrix-S	7-3 00 00 0 C2021/TPI2014	Spacing1Plate Grip DOL1Lumber DOL1Rep Stress IncrNCodeIF	(psf) 40.0 10.0 0.0 5.0	Loading TCLL TCDL BCLL BCDL
						ads (lb/ft) 17=-8, 1-9=-80 ed Loads (lb) 342, 3=-239	Uniform Lo: Vert: 10- Concentrat Vert: 1=-	athing directly applied or	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood shea	LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD
								applied or 10-0-0 oc 17=0-4-8	Rigid ceiling directly bracing. (size) 10=0-4-8,	BOT CHORD
								C 1), 17=1145 (LC 1)	Max Grav 10=694 (L	FORCES
								pression/waximum	Tension	FURCES
								/67, 1-2=0/0, 355/0, 4-5=-2577/0, 339/0, 7-8=-992/0,	1-17=-370/0, 9-10=0 2-3=-1699/0, 3-4=-23 5-6=-2339/0, 6-7=-23 8-9=0/0	TOP CHORD
								5=0/2355, 14-15=0/2623 3=0/2339, 11-12=0/1665	16-17=0/1009, 15-16 13-14=0/2339, 12-13 10-11=0/383	BOT CHORD
TH CARO								368/0, 2-17=-1266/0, 945, 7-11=-876/0, 30/0, 3-15=0/193, 335/0, 4-14=-138/75,	5-13=-268/0, 6-12=-3 2-16=0/898, 7-12=0/ 8-11=0/793, 8-10=-8 3-16=-854/0, 4-15=-3 5-14=0/425	WEBS
C FESSION I	/									NOTES
and July	4							been considered for	d floor live loads have	1) Unbalance
SEAL 036322	TITLE .							odified. Building rify that they are correct	s) 1 has/have been m ust review loads to ve nded use of this truss.	<ol> <li>Load case designer m for the inte</li> </ol>
A NGINEER A	11.							n edge, spaced at h truss with 3-10d to be attached to walls by other means.	nd 2x6 strongbacks, or c and fastened to eac ") nails. Strongbacks er ends or restrained b	<ol> <li>Recomment 10-00-00 c (0.131" X 3 at their out</li> </ol>
ALC AND BELLIN								,	) Standard	LOAD CASE(
May 28,2025								umber Increase=1.00,	oor Live (balanced): L ease=1.00	1) Dead + F Plate Incr
SEAL 036322 MgINEER May 28,2025								3=0/2339, 11-12=0/1665 368/0, 2-17=-1266/0, 945, 7-11=-876/0, 30/0, 3-15=0/193, 335/0, 4-14=-138/75, been considered for odified. Building rify that they are correct in edge, spaced at in truss with 3-10d to be attached to walls by other means. umber Increase=1.00,	13-14=0/2339, 12-13 10-11=0/383 5-13=-268/0, 6-12=-3 2-16=0/898, 7-12=0/ 8-11=0/793, 8-10=-8 3-16=-854/0, 4-15=-3 5-14=0/425 d floor live loads have s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended use of this truss. s) 1 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m ust review loads to vended the this truss. s) 2 has/have been m s) 2	WEBS NOTES 1) Unbalance this design 2) Load case designer n for the inte 3) Recommen 10-00-00 c (0.131" X 3 at their out LOAD CASE(6 1) Dead + F Plate Incr

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F10	Floor	1	1	Job Reference (optional)	173795593

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:C852PwEVNQv2JZXR9n\_Tg?zewNf-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



14-6-8

1-0-0

Scale = 1:36.7

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.62 0.76 0.44	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.26 0.03	(loc) 14-15 14-15 11	l/defl >999 >669 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 80 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc	athing directly applied applie	Uniform Lo Vert: 11- Concentrat Vert: 1=- d or	ads (lb/ft) 19=-8, 1-10=-80 ed Loads (lb) 325, 5=-28, 3=-223	3							
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. <b>REACTIONS</b> (size) 11=0-4-8, 19=0-4-8 Max Grav. 11=702 (I C 1) 19=1132 (I C 1)												
FORCES	(Ib) - Maximum Compression/Maximum											
Tension 'OP CHORD 1-19=-357/0, 10-11=0/66, 1-2=0/0, 2-3=-1711/0, 3-4=-2358/0, 4-5=-2659/0, 5-6=-2353/0, 6-7=-2353/0, 7-8=-2353/0, 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												
BOT CHORD	18-19=0/1008, 17-18 15-16=0/2715, 14-15 12-13=0/1685 11-12	2=0/2358, 16-17=0/2 =0/2714, 13-14=0/2 =0/388	579, 353,									
WEBS	12-13=0/1685, 11-12=0/388 BS 6-14=0/251, 7-13=-383/0, 2-19=-1265/0, 2-18=0/915, 8-13=0/934, 8-12=-877/0, 9-12=0/811, 9-11=-842/0, 3-17=0/179, 5-15=0/293, 5-14=-747/0, 3-18=-860/0, 4.17=-277/0, 4.16=-(12), 5.15=-(12)/0							TH CA	ROL			
NOTES										12	O FESS	No.
1) Unbalance	d floor live loads have	been considered for	r						U			Cherry .
<ol> <li>Load case designer m for the inte</li> </ol>	s design. ad case(s) 1 has/have been modified. Building isigner must review loads to verify that they are correct the intended use of this truss 036322											
<ul> <li>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.</li> </ul>								ERA				
LOAD CASE(S	S) Standard									11	210	BEIN
1) Dead + F Plate Incr	loor Live (balanced): L ease=1.00	umber Increase=1.0	10,								May	28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F9	Floor	1	1	Job Reference (optional)	173795594

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:5NHi6gshRC7ljyEgOUSRSgzewO7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



14-6-8

Scale = 1:36.7

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

<b>Loading</b> TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.93 0.91 0.58	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.33 0.04	(loc) 14-15 14-15 11	l/defl >999 >523 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 80 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD	2x4 SP SS(flat) 2x4 SP DSS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 5-9-4 oc purlins, exc Rigid ceiling directly bracing. (size) 11=0-4-8, Max Grav 11=809 (L (lb) - Maximum Com Tension 1-19=-299/0, 10-11= 2-3=-1788/0, 3-4=-22 5-6=-2896/0, 6-7=-28	athing directly applied cept end verticals. applied or 10-0-0 oc 19=0-4-8 .C 1), 19=1104 (LC 1 pression/Maximum 0/74, 1-2=0/0, 472/0, 4-5=-3290/0, 996/0, 7-8=-2896/0,	Uniform Loa Vert: 11- Concentrat Vert: 1=-	ads (lb/ft) 19=-8, 1-10=-80 ed Loads (lb) 267, 5=-341, 3=-47								
NOTES WEBS NOTES 1) Unbalancee this design 2) Load case( designer m for the inter 3) Recommer 10-00-00 (0.131" X 3 at their outr LOAD CASE(S 1) Dead + FI Plate Increase	8-9=-1179/0, 9-10=0 18-19=0/1048, 17-18 15-16=0/3478, 14-15 12-13=0/2003, 11-12 6-14=0/384, 7-13=-4 2-18=0/964, 8-13=0/ 9-12=0/957, 9-11=-9 5-15=0/416, 5-14=-1 4-16=0/459, 5-16=-3 d floor live loads have (s) 1 has/have been m ust review loads to vended use of this truss. 10 2x6 strongbacks, or c and fastened to eac (") nails. Strongbacks, or c and fastened to eac (") nails. Strongbacks, or c and fastened to eac (") nails. Strongbacks er ends or restrained the S) Standard loor Live (balanced): Lease=1.00	//0 3=0/2472, 16-17=0/2/5 =0/3477, 13-14=0/2/ 2=0/444 84/0, 2-19=-1315/0, 1222, 8-12=-1072/0, 62/0, 3-17=0/383, 108/0, 4-17=-611/0, 83/0, 3-18=-909/0 been considered for nodified. Building rify that they are corr nodified. Building rify that they are corr nodified. Building rify that they are corr nodified. Building rify that they are corr to be attached to wa by other means. .umber Increase=1.0	959, 396, rect IIs 0,						Martin Martin		SEA 0363 WGINI May	ROL 22 EER-FR-FR-FR-FR-FR-FR-FR-FR-FR-FR-FR-FR-FR

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Engineering by AMITek Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FG1	Floor Girder	1	1	Job Reference (optional)	173795595

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22 Page: 1 ID:4PDJKfXAMrBIVayDNBWpdAzvB4D-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale =	1:24.4
---------	--------

# Plate Offsets (X, Y): [7:Edge,0-1-8], [10:0-1-8, Edge]

Loading	(psf)	Spacing	2-0-0		CSI	4.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00			1.00	Vert(LL)	0.06	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.76		0.08	8-9	>999	360		
BOLL	0.0	Rep Stress Incr	NU IDO0001/TT		VVB	0.60	Horz(CT)	-0.02	1	n/a	n/a	M	
BCDL	5.0	Code	IRC2021/11	PI2014	Matrix-S							Weight: 52 lb	FT = 20%F, 12%E
LUMBER			5) In	the LOAD	CASE(S) section,	loads a	pplied to the f	face					
TOP CHORD	2x4 SP DSS(flat)		of	f the truss a	re noted as front (I	F) or ba	ck (B).						
BOT CHORD	2x4 SP No.2(flat)		LOAD	CASE(S)	Standard								
WEBS	2x4 SP No.3(flat) *E (flat)	xcept* 7-5:2x4 SP N	lo.2 1) [ F	Dead + Floo Plate Increa	or Live (balanced): se=1.00	Lumbe	r Increase=1.	00,					
BRACING			ι	Uniform Loa	ads (lb/ft)								
TOP CHORD	IORD     Structural wood sheathing directly applied or     Vert: 7-11=-10, 1-6=-100												
BOT CHORD	<ul> <li>6-0-0 oc purlins, ex</li> <li>Rigid ceiling directly bracing</li> </ul>	cept end verticals. applied or 6-0-0 oc	(	Concentrate Vert: 12=	ed Loads (lb) 473 (B)								
REACTIONS	(size) 7=0-5-8, 1 Max Uplift 7=-830 (L	size) 7=0-5-8, 11=0-3-8 Aax Uplift 7=-830 (LC 7), 11=-494 (LC 10)											
	Max Grav 7=114 (LC	C 1), 11=229 (LC 1)	,										
FORCES	(Ib) - Maximum Compression/Maximum Tension												
TOP CHORD	1-11=-48/62, 6-7=-3 2-3=-129/1960, 3-4= 4-5=-59/1858, 5-6=0	86/0, 1-2=0/0, =-129/1960, 0/0											
BOT CHORE	0 10-11=-649/232, 9-1 8-9=-1960/129, 7-8=	l0=-1960/129, 1727/0											
WEBS	5-7=0/2121, 2-11=-2 2-10=-1734/0, 4-8=- 4-9=0/288	285/796, 5-8=-217/10 101/127, 3-10=0/840	05, 0,									, unun	1111
NOTES											3	"TH CA	Rollin
1) Unbaland	ced floor live loads have	e been considered fo	or								E	ORIFES	Di N'II
2) Provide r	nechanical connection (	(by others) of trues to	0								71		12 JA
bearing r	late capable of withstar	nding 830 lb uplift at	ioint									:2	
7 and 49										1 3			
3) Recomm	nmend 2x6 strongbacks, on edge, spaced at												
10-00-00	oc and fastened to eac	h truss with 3-10d										0363	22 : =
(0.131" X	3") nails. Strongbacks	to be attached to w	alls							1			1 2
at their o	uter ends or restrained l	by other means.										N	1 2
4) Hanger(s	a) or other connection de	evice(s) shall be									- 1	N. ENG	CRIL S
provided	sufficient to support cor	ncentrated load(s) 1	994								20	GIN	EF AN
lb up at 4	4-8-12 on top chord. Th	ne design/selection of	of								1	C .	BEIN
such con	nnection device(s) is the responsibility of others.									IL- IN			

4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1994 Ib up at 4-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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GI unununu May 28,2025

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FG2	Floor Girder	1	1	Job Reference (optional)	173795596

 Run: 25.20 S
 May 13 2025 Print: 25.2.0 S
 May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22
 Page: 1

 ID:ETT47Ea7qtSNE4IJ5y8bkjzvB81-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
 Figure 1





# <u>7-6-8</u> 7-6-8

Scale = 1:27.1

# Plate Offsets (X, Y): [4:0-3-0,Edge], [7:Edge,0-1-8], [10:0-1-8,Edge], [11:Edge,0-1-8]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC2021	I/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.92 0.50 0.53	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.05 0.07 -0.02	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 56 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD FORCES TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood shea 7-6-8 oc purlins, exc Rigid ceiling directly bracing. (size) 7= Mechai Max Uplift 7=-1894 (I Max Grav 7=-162 (L0 (lb) - Maximum Comp Tension 1-11=0/325, 6-7=0/6i 3-4=0/2868, 4-5=0/2i 10-11=-1802/0, 9-10	athing directly applied rept end verticals. applied or 6-0-0 oc nical, 11= Mechanica C 7), 11=-1649 (LC C 1), 11=-101 (LC 1) pression/Maximum D9, 1-2=0/0, 2-3=0/26 316, 5-6=0/0 =-2868/0, 8-9=-2868/	6) d or 7) LC al 1) 7) 868, /0,	Hanger(s) or provided suff lb up at 0-8- and 876 lb up chord. The c (s) is the resp In the LOAD of the truss a <b>DAD CASE(S)</b> Dead + Floo Plate Increas Uniform Loa Vert: 7-1' Concentrate Vert: 6=2 (B), 15=2	other connection of cicient to support co 13, 876 lb up at 2- o at 5-6-6, and 850 lesign/selection of ponsibility of others CASE(S) section, re noted as front (i Standard or Live (balanced): se=1.00 ads (lb/ft) l=-10, 1-6=-100 ed Loads (lb) 09 (B), 12=212 (B) 14 (B)	device(s oncentra -4-0, 87 0 lb up a such cc s. loads a F) or ba Lumbe ), 13=21	) shall be tated load(s) 8 6 lb up at 3-1 at 7-5-0 on to nnection dev opplied to the f ck (B). r Increase=1. 4 (B), 14=21	66 11-3, op ice face 00, 4					
WEBS	7-8=-1743/0 5-7=0/2173, 2-11=0/2 2-10=-1309/0, 4-8=0, 4-9=-34/192	2246, 5-8=-715/0, /688, 3-10=0/679,											
NOTES 1) Unbalance this design 2) Refer to gir 3) Provide me bearing pla	d floor live loads have rder(s) for truss to trus echanical connection (l ate capable of withstan	been considered for s connections. by others) of truss to ding 1649 lb uplift at								4	r.	ORTH CA	ROW

- joint 11 and 1894 lb uplift at joint 7.
  This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FG3	Floor Girder	1	1	Job Reference (optional)	173795597

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22 Page: 1 ID:rlMenLmjxNH5UMiUuioup\_zvB\_I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6x6 =



**THA422** 

**THA422** 





Scale = 1:23.9													
oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	0.00	5-6	>999	480	MT20	244/190	
CDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.01	5-6	>999	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	4	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 29 lb	FT = 20%F, 12%E	:
UMBER OP CHORD	2x4 SP No.2(flat)												

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)

WEBS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura 4-0-3 oc	I wood sheathing directly applied or purlins, except end verticals.
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	4=0-3-0, 6= Mechanical

	Max Grav 4=547 (LC 1), 6=1054 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-6=-540/0, 3-4=-544/0, 1-2=0/0, 2-3=-351/0
BOT CHORD	5-6=0/705, 4-5=0/0

WEBS 2-6=-866/0, 2-5=-450/0, 3-5=0/462

#### NOTES

- 1) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 2) bearing plate at joint(s) 4.
- 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.
- 4) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-4-4 from the left end to 2-4-4 to connect truss(es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber. 5)
- 6) In the LOAD CASE(S) section, loads applied to the face

# of the truss are noted as front (F) or back (B).

- LOAD CASE(S) Standard
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)
  - Vert: 4-6=-10, 1-3=-100 Concentrated Loads (lb)
  - Vert: 1=-612 (F), 7=-574 (F)



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Job	Truss	Truss Type Qty Ply		Stonehaven Rev 2-EL-6,7-Floor					
	2FG4	Floor Girder	1	1	Job Reference (optional)	173795598			





3x6 🛛

### Scale = 1:29.8 Plate Offsets (X, Y): [3:0-4-8,Edge], [16:0-4-8,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 NO IRC2021	/TPI2014	CSI TC BC WB Matrix-S	0.46 0.85 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.21 0.04	(loc) 13-14 14 11	l/defl >968 >823 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 M18AHS Weight: 124 lb	<b>GRIP</b> 244/190 186/179 FT = 20%F,	12%E
LUMBER TOP CHORD BOT CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 11=0-4-8, Max Uplift 11=-560 ( Max Grav 11=740 (L (lb) - Maximum Com Tension 1.17=-1070/0, 10-11 2-3=-4899/0, 3-4=-5 5-6=-4889/0, 6-7=-3 8-9=-1772/1992, 9-1 16-17=0/2631, 15-11 13-14=0/4434, 12-13 11-12=-932/992 9-11=-1192/1120, 9- 8-12=0/1515, 7-12=- 6-13=-997/0, 6-14=-0 4-14=-455/0, 4-15=-0 2-16=0/2772, 3-16=-	athing directly applie cept end verticals. applied or 6-0-0 oc 17=0-3-8 LC 3) .C 1), 17=2854 (LC 1 pression/Maximum =-64/0, 1-2=0/0, 233/0, 4-5=-4889/0, 690/58, 7-8=-1772/1 0=0/0 5=0/5218, 14-15=0/5 3=-872/2919, -12=-1274/938, -1378/0, 7-13=0/1010 //618, 5-14=-66/0, //94, 2-17=-3162/0, -1632/0, 3-15=-57/200	5) d or 7) 8) 1) 9) <b>LO</b> 1) 992, 216, 0,	Use Simpsor Truss) or equ connect truss Use Simpsor Truss) or equ truss(es) to b the left, slopi Fill all naih ho Hanger(s) or provided suff Ib up at 11-8 such connec In the LOAD of the truss a <b>AD CASE(S)</b> Dead + Flor Plate Increa Uniform Lo3 Vert: 11-7 Concentrate Vert: 1=-7	n Strong-Tie THAC- uivalent at 0-1-12 fr s(es) to front face o n Strong-Tie THA42 uivalent at 3-3-4 fro vack face of top chc ng 0.0 deg. down. les where hanger is other connection d icient to support co 1-4 on top chord. T tion device(s) is the CASE(S) section, I re noted as front (F Standard or Live (balanced): ise=1.00 ads (lb/ft) 17=-10, 1-10=-100 ad Loads (lb) 1003 (F), 8=412 (F)	422 (6- om the f top ch 22 (6-16 m the le rd, ske s in con evice(s ncentra he desi respor oads ap c) or bar	16d Girder, 6- left end to ord. id Girder, 6-11 eft end to com- wed 0.0 deg.t tact with lumt ) shall be ted load(s) 1 gn/selection c rsibility of oth- oplied to the fi- ck (B). Increase=1.6 27 (B)	0d nect io ber. 749 of ers. ace				TH CA	ROLLAR	
<ol> <li>Unbalance this design</li> <li>All plates a</li> <li>Provide me bearing pla 11.</li> <li>Recommer 10-00-00 o (0.131" X 3 at their out</li> </ol>	d floor live loads have re MT20 plates unless echanical connection ( ate capable of withstar nd 2x6 strongbacks, o c and fastened to eac 3") nails. Strongbacks er ends or restrained l	been considered for s otherwise indicated (by others) of truss to hding 560 lb uplift at j n edge, spaced at th truss with 3-10d to be attached to wa by other means.	r Dioint alls							VIIIIIIIVV			ER.K	WWWWWWWWW

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818 Soundside Road Edenton, NC 27932

May 28,2025
Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor				
	2FGE1	Floor Supported Gable	1	1	Job Reference (optional)	173795599			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:23 ID:lgchLyEz1jcLQQZEtPAkBGy8MTx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



# Scale = 1:36

Loading TCLL TCDL BCLL		(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-7-3 1.00 1.00 YES	021/TDI2014	CSI TC BC WB Matrix P	0.07 0.02 0.03	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 20	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190	
BCDL		5.0	Code	IRC2	JZ 1/ 1 P12014	Maultx-R							weight. 92 lb	FT = 20%F, 12%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structura 6-0-0 oc Rigid ceil bracing. (size) Max Grav	lo.2(flat) lo.2(flat) lo.3(flat) lo.3(flat) ll wood shee purlins, exc ing directly 20=21-8-C 26=21-8-C 33=21-8-C 36=21-8-C 36=21-8-C 26=21-8-C 26=21-8-C 26=21-8-C	athing directly applic cept end verticals. applied or 10-0-0 o ), 21=21-8-0, 22=21 ), 24=21-8-0, 25=21 ), 37=21-8-0, 32=21 ), 34=21-8-0, 35=21 ), 37=21-8-0 2 1), 21=128 (LC 1),	ed or c I-8-0, I-8-0, I-8-0, I-8-0, I-8-0,	WEBS NOTES 1) All plates are indicated. 2) Gable requir 3) Truss to be f braced agair 4) Gable studs 5) N/A	2-36=-102/0, 3-35= 5-33=-107/0, 6-32= 3-30=-107/0, 9-28= 11-26=-107/0, 13-2 15-23=-107/0, 16-2 18-20=-74/0 1.5x3 (  ) MT20 u es continuous bottu ully sheathed from ist lateral moveme spaced at 1-4-0 oc	108/0, 107/0, 107/0, 5=-107/2, 5=-107/22=-105/ unless of om chor one fac nt (i.e. d	4-34=-106/0, 7-31=-107/0, 10-27=-107/0, 10-27=-107/0 (0, 14-24=-106 (0, 17-21=-114 therwise d bearing. the or securely liagonal web).	, 5⁄0, 4⁄0,						
		22=114 (L 24=117 (L 26=117 (L 31=117 (L 33=117 (L 35=119 (L 37=54 (LC	C 1), 23=118 (LC 1 C 1), 25=117 (LC 1 C 1), 27=117 (LC 1 C 1), 30=117 (LC 1 C 1), 32=117 (LC 1 C 1), 32=117 (LC 1 C 1), 34=117 (LC 1 C 1), 36=110 (LC 1 C 1), 36=110 (LC 1	),  ),  ),  ),  ),  ),	6) Recommend 10-00-00 oc (0.131" X 3") at their outer LOAD CASE(S)	2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained Standard	on edge ach truss s to be d by othe	e, spaced at s with 3-10d attached to wa er means.	alls				A CA	Route	
FORCES	(lb) - Max	kimum Com	pression/Maximum									15	RTH	Ling	
TOP CHORD	1-37=-47, 3-4=-12/0 7-8=-12/0 10-11=-1 14-15=-1 17-18=-1 36-37=0/ 33-34=0/	/0, 19-20=0 ), 4-5=-12/0 ), 8-9=-12/0 2/0, 11-13= 2/0, 15-16= 2/0, 18-19= 12, 35-36=0 12, 32-33=0	/9, 1-2=-12/0, 2-3=- ), 5-6=-12/0, 6-7=-1: ), 9-10=-12/0, -12/0, 13-14=-12/0, -12/0, 16-17=-12/0, -2/0 0/12, 34-35=0/12, 0/12, 31-32=0/12.	-12/0, 2/0,							Walling	·	SEA 0363	L 22	
	30-31=0/ 26-27=0/ 23-24=0/ 20-21=0/	12, 28-30=( 12, 25-26=( 12, 22-23=( 12	0/12, 27-28=0/12, 0/12, 24-25=0/12, 0/12, 21-22=0/12,										A. G May	28,2025	

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Job	Tru	lss		Truss Type			Qty	<i>'</i>	Ply	Stone	haven R	ev 2-EL-	6,7-Floor		
	2F	1		Floor			2		1	Job R	eference	(optiona	al)		173795600
tructural, LLC, Thurr	nont, MD - 2178	8,			Run: ID:d <sup>i</sup>	: 25.20 S Ma voM3it86Vqc	ay 13 202 qpGT66e	5 Print: 2 h_xy8MU	5.2.0 S Ma JP-RfC?Ps	iy 13 2025 B70Hq3N	5 MiTek In ISgPqnL8 <sup>,</sup>	dustries, I w3uITXb0	nc. Wed May 28 GKWrCDoi7J4zJC	11:18:18 C?f	Page: 1
	1-3-0				0-11-8	2-0-0	1-5-8	3							
			1	.5x3 II					3x6 FP		1.5x3	п			
	3x3 II 4	×6 =	3x4 =	3x3 =	3x3 =	1	.5x3 ∎	3x3 =		3x3 =		3x4	= .	4x6 =	3x3 II
-	1	2	3 4	4 5	6	-	7	8	9	10	11	12	,	13	14
1-2-0	25							-							
	2×6 -	24	2	23	22 21	2	20 19		18		17		16		$\boxtimes$
	3x0=	4x6 =	3	3x6 =	3x3 =	:	3x3 =		3x3 =		3x6 =		4x6 =		3x6 =
					1.5x3	II M	1T18HS 3	x16 FP							
						10-11-8	3								
					9-1	1-8									
			8-11-8								21-8-0				_
			0-11-0		1-(	0-0					10-0-0				·
						1-0-0									
						21-8	3-0								
cale = 1:40.7															
ading	(ps	) Spacing		1-7-3	CSI			DEFL		in (I	oc) I/d	lefl L/	PLATES	G	RIP
CLL IDI	40. 10	0 Plate Grip		1.00 1.00	TC BC		0.69	Vert(L	L) -0 (T) -0	0.46 18	-20 >5 -20 \4	59 48 05 36	D MT18HS	24 24	44/190 44/190
CLL	0.	0 Rep Stres	s Incr	YES	WB		0.54	Horz(C	CT) 0	.08	15 r	n/a n/	a	2-	,
;DL	5.	0 Code		IRC2021/TPI201	4 Matrix	<-S							Weight: 110	0 lb F	T = 20%F, 12%

LUMBER

TOP CHORD	2x4 SP SS(flat) *Except* 9-14:2x4 SP No.2 (flat)
BOT CHORD	2x4 SP DSS(flat)
WEBS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 15=0-3-8, 25= Mechanical
	Max Grav 15=942 (LC 1), 25=942 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
TOP CHORD	1-25=-32/0, 14-15=-32/0, 1-2=0/0,
	2-3=-2050/0, 3-4=-3545/0, 4-5=-3545/0,
	5-6=-4441/0, 6-7=-4769/0, 7-8=-4769/0,
	8-10=-4438/0, 10-11=-3535/0, 11-12=-3535/0, 12-13=-2051/0 13-14=0/0
BOT CHORD	24-25=0/1187 23-24=0/2887 22-23=0/4083
201 01.01.2	21-22=0/4769, 20-21=0/4769, 18-20=0/4721.
	17-18=0/4106, 16-17=0/2887, 15-16=0/1187
WEBS	6-21=-110/246, 7-20=-181/36, 2-25=-1489/0,
	2-24=0/1123, 3-24=-1090/0, 3-23=0/840,
	4-23=-72/0, 5-23=-686/0, 5-22=0/585,
	6-22=-706/0, 13-15=-1489/0, 13-16=0/1125,
	12-16=-1087/0, 12-17=0/827, 11-17=-54/0,
	10-17=-729/0. 10-18=0/432. 8-18=-390/0.

# NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.

8-20=-277/483

 Required 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	St	onehave	n Rev 2	-EL-6,	7-Floor		
			2F2		Floor				3	1	Jo	b Refere	ence (op	tional)		173795	601
Structural, LLC,	Thurm	ont, MD	- 21788,				Run: 25.20	S May 13 2	025 Print:	25.2.0 S N	May 13	2025 MiT	ek Indust	ries, Inc	. Wed May 28 11:18	8:19	Page: 1
							ID.WFJ?A52	ASIICAUIP04	GRITIFYON		-20100	iq3N3yF0	ncowoui	INDGRV	VICD017J42JC?1		
		1-	3-0			0-11	-8 2-0-0		-8								
					1.5x3 u					3x6 FF	5	1	.5x3 🛚				
		3x3 II	4x6 =	3x4 =	3x3 =		3x3 =	1.5x3 u	3x3 =		3>	(3 =		3x4 =	4x6 =	3x3 II	
		1	2	3	4 5		6	7	8	9	10	) 1	1	12	13	14	
	1-2-0	25														15	
	-			24	23	22	21	20 -	9	18		1	7		16	X	
		3x6 =		4x6 =	3x6 =	3x3 =		3x3 =		3x3 =	-	:	3x6 =		4x6 =	3x6 =	
							1.5x3 u	MT18HS	3x16 FP								
							10-	11-8									
							9-11-8									21-8-0	
				8-11-8								21-	7-12				
				0-11-0			1-0-0					10-	0-4			0-0-4	
							1-	0-0									
		L						21-8-0									
Scale = 1:40.8																	
Loading TCLL TCDL BCLL			(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-7-3 1.00 1.00 YES		CSI TC BC WB	0.6 0.6 0.5	DEFI Vert( Vert( Vert(	- LL) CT) (CT)	in -0.46 -0.63 0.08	(loc) 18-20 18-20 15	l/defl >559 >405 n/a	L/d 480 360 n/a	PLATES MT18HS MT20	<b>GRIP</b> 244/190 244/190	
BCDL			5.0	Code	IRC2021/TPI20	14	Matrix-S			,					Weight: 110 lb	FT = 209	6F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 (flat 2x4 2x4	SP No. ) SP DS SP No.	2(flat) *E> S(flat) 3(flat)	ccept* 9-1:2x4 SP S	S												
BRACING TOP CHORD	Stru 4-9-	uctural v -4 oc pu	vood shea Irlins, exc	athing directly applie cept end verticals.	ed or												
BOT CHORD	Rigi brad	id ceilin cing.	g directly	applied or 10-0-0 or													
REACTIONS	(size) Max	) 1 Grav 1	15=0-3-0, 15=942 (L	25= Mechanical C 1), 25=942 (LC 1)	)												

NOTES

WEBS

FORCES

TOP CHORD

BOT CHORD

 Unbalanced floor live loads have been considered for this design.

(lb) - Maximum Compression/Maximum

24-25=0/1187, 23-24=0/2887, 22-23=0/4083, 21-22=0/4769, 20-21=0/4769, 18-20=0/4721, 17-18=0/4106, 16-17=0/2887, 15-16=0/1187

6-21=-110/246, 7-20=-181/36, 2-25=-1489/0,

2-24=0/1123, 3-24=-1090/0, 3-23=0/840, 4-23=-72/0, 5-23=-686/0, 5-22=0/585, 6-22=-706/0, 13-15=-1489/0, 13-16=0/1125, 12-16=-1087/0, 12-17=0/827, 11-17=-54/0,

10-17=-729/0, 10-18=0/432, 8-18=-390/0,

1-25=-32/0, 14-15=-32/0, 1-2=0/0, 2-3=-2050/0, 3-4=-3545/0, 4-5=-3545/0, 5-6=-4441/0, 6-7=-4769/0, 7-8=-4769/0, 8-10=-4438/0, 10-11=-3535/0, 11-12=-3535/0,

12-13=-2051/0, 13-14=0/0

Tension

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.

8-20=-277/483

4) Required 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	Stonehaven Rev 2-EL-6,7-Floor				
	2F4	Floor	1	1	Job Reference (optional)	173795602			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 ID:IP4Gn81I2VTmupmzNKNk?gy8MUC-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



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818 Soundside Road Edenton, NC 27932

May 28,2025

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F5	Floor	1	1	Job Reference (optional)	173795603

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 ID:Dbee?U2wpobdWzL9x2uzYuy8MUB-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





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Edenton, NC 27932

May 28,2025

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor				
	2F6	Floor	2	1	Job Reference (optional)	173795604			

Structural LLC Thurmont MD - 21788

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 ID:hoC1Cq3YZ6jU77wMUIPC55y8MUA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat) \*Except\* 22-15:2x4 SP SS BOT CHORD (flat) 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood sheathing directly applied, except end verticals Rigid ceiling directly applied or 10-0-0 oc BOT CHORD bracing, Except: 6-0-0 oc bracing: 16-17,15-16. **REACTIONS** (size) 15= Mechanical, 16=0-4-8, 25=0-3-8 Max Uplift 15=-796 (LC 3) 15=-122 (LC 4), 16=1833 (LC 1), Max Grav 25=670 (LC 3)

Tension

(lb) - Maximum Compression/Maximum

24-25=0/836, 23-24=0/1897, 21-23=0/2485, 20-21=0/2196, 19-20=0/2196, 18-19=0/1540, 17-18=0/239, 16-17=-1887/0, 15-16=-826/0

6-20=-288/0.7-19=-326/0.12-16=-963/0.

2-25=-1046/0, 2-24=0/711, 3-24=-671/0,

13-16=-1396/0, 13-15=0/1157, 8-19=0/901, 8-18=-889/0, 10-18=0/806, 10-17=-1143/0,

3-23=0/389, 4-23=-12/0, 5-23=-361/0, 5-21=-117/130, 6-21=-57/414,

1-25=-28/0, 14-15=-35/0, 1-2=-2/0, 2-3=-1382/0, 3-4=-2202/0, 4-5=-2202/0, 5-6=-2443/0, 6-7=-2196/0, 7-8=-2196/0, 8-10=-858/0, 10-11=0/658, 11-12=0/658,

12-13=0/1887, 13-14=0/0

11-17=-77/6, 12-17=0/1475

Unbalanced floor live loads have been considered for

All plates are MT20 plates unless otherwise indicated.

Scale = 1:45.6

Loading

TCLL

TCDL

BCLL

BCDL

LUMBER

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

1)

2)

Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to

bearing plate capable of withstanding 796 lb uplift at joint

15.

4)

- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls
- at their outer ends or restrained by other means. 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



# May 28,2025

AND DURING THE STREET

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F8	Floor	2	1	Job Reference (optional)	173795605

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 ID:ZZRX2C63dLDvckD7jbU8Fxy8MU6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading		(psf)	Spacing	1-7-3		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00		тс	0.98	Vert(LL)	-0.28	26-27	>776	480	MT20HS	187/143
TCDL		10.0	Lumber DOL	1.00		BC	0.81	Vert(CT)	-0.38	26-27	>568	360	MT20	244/190
BCLL		0.0	Rep Stress Incr	YES		WB	0.70	Horz(CT)	0.03	21	n/a	n/a		
BCDL		5.0	Code	IRC202	1/TPI2014	Matrix-S							Weight: 131 lb	FT = 20%F, 12%E
LUMBER				1)	Unbalanced	loor live loads have	e been	considered fo	or					
TOP CHORD	2x4 SP No	o.2(flat)			this design.									
BOT CHORD	2x4 SP SS	S(flat) *Exc	ept* 24-18:2x4 SP No	o.2 2)	All plates are	MT20 plates unles	s other	wise indicate	d.					
	(flat)			3)	One H2.5A S	impson Strong-Tie	conne	ctors						
WEBS	2x4 SP No	o.3(flat)			recommende	d to connect truss t	o bear	ng walls due	to					
OTHERS	2x4 SP No	o.3(flat)			UPLIFT at jt(	s) 18. This connect	ion is fo	or uplift only a	and					
BRACING					does not con	sider lateral forces.								
TOP CHORD	Structural except end	wood shea d verticals.	athing directly applied	l, 4)	Recommend 10-00-00 oc	2x6 strongbacks, o and fastened to eac	on edge ch truss	, spaced at with 3-10d						
BOT CHORD	Rigid ceilir	ng directly	applied or 6-0-0 oc		(0.131" X 3") at their outer	nails. Strongbacks ends or restrained	s to be by othe	attached to w er means.	alls					
REACTIONS	(size)	18-0-3-8	21-0-5-8 30-0-3-8	5)	CAUTION, D	o not erect truss ba	ckward	ls.						
REACTIONS	Max I Inlift	18157 (I	C 3)	LC	DAD CASE(S)	Standard								
	Max Grav	18-231 (1	(14) 21–1471 (I C 1)											
	max orav	30=683 (L	C 3)	,										
FORCES	(lb) - Maxii Tension	mum Com	pression/Maximum											
	1-30=-28/0	) 17-181	16/0 1-2=-2/0											
	2-3=-1415	/0 3-4=-22	264/0 $4-5=-2264/0$											
	5-6=-2540	/0.6-7=-23	320/0. 7-8=-2320/0.											
	8-10=-103	2/0, 10-11	=0/542, 11-12=0/542											
	12-13=0/1	771, 13-14	=-112/952,											
	14-15=-29	9/363, 15-	16=-299/363, 16-17=	-1/0									11111	1111
BOT CHORD	29-30=0/8	53, 28-29=	0/1945, 27-28=0/256	64,									WAH CA	Bally
	26-27=0/2	320, 25-26	5=0/2320, 23-25=0/16	93,								1	R	. King
	22-23=0/4	27, 21-22=	-1771/0, 20-21=-128	4/0,								5.	U.FESO	di in
	19-20=-64	1/310, 18-	19=-129/164								4	15	It &	Jun 1
WEBS	6-26=-285	/0, 7-25=-3	330/0, 12-21=-933/0,									-		
	2-30=-106	7/0, 2-29=	0/732, 3-29=-691/0,								-		CEA	1 1 1
	3-28=0/40	7, 4-28=-1	1/2, 5-28=-382/0,	- /-							=	:	SEA	- : =
	5-27=-115	/137, 6-27	=-68/414, 13-21=-85	5/0, 									0363	22 : =
	13-20=0/5	56, 14-20=	=-529/0, 14-19=-15/3 70/0 10 22 0/707	5,							-			1 2
	0-25=0/09	0, 0-20=-0	70/0, 10-23=0/797,	70									1. Sec. 1. Sec	- 1 - S -
	15-10-22=-11	/0 16-10-	2=-04/0, 12-22=0/14/ _200/172	0,								21	N. SNOW	- CRIX S
	16-18=-26	5/210	200/112,									1	A. GIN	A AS
NOTES	10 10=20	0/210										1	CA C	II BEIN
NULES													1, A. G	1 Linn
													111111	TITE

May 28,2025



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FGE3	Floor Supported Gable	1	1	Job Reference (optional)	173795609

0-11-4

0-11-4 0-1-8

2-3-4

 Run: 25.20 S
 May 13 2025 Print: 25.2.0 S
 May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:23
 Page: 1

 ID:9FIq\_HrKe\_wHulpYXkRpuy8MTu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f
 Page: 1



Scale = 1:36.3

Loading TCLL TCDL	(ps 40. 10.	f) <b>Spac</b> 0 Plate 0 Lumb	Grip DOL	1-4-0 1.00 1.00		<b>CSI</b> TC BC	0.05 0.01	<b>DEFL</b> Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 244/190
BCLL	0.	0 Rep S	Stress Incr	YES		WB	0.02	Horiz(TL)	0.00	19	n/a	n/a		
BCDL	5.	0 Code	•	IRC202	21/TPI2014	Matrix-R							Weight: 88 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat 2x4 SP No.2(flat 2x4 SP No.3(flat 2x4 SP No.3(flat Structural wood 6-0-0 oc purlins.	:) :) :) sheathing c	directly applie	W N d or 1	/EBS	7-20=-88/0, 16-21 4-23=-89/0, 13-24 1-26=-89/0, 9-27= -29=-89/0, 6-31=- 1-33=-88/0, 3-34=-9 1.5x3 (  ) MT20 uu	=-89/0, =-89/0, -89/0, 8 39/0, 5- 92/0, 2- nless o	15-22=-89/0, 12-25=-89/0, -28=-89/0, 32=-89/0, 35=-74/0						
BOT CHORD	Rigid ceiling dire	ectly applied	d or 10-0-0 oc	2	) Gable require	es continuous botto	om chor	d bearing.						
REACTIONS	(size) 19=2( 21=2( 23=2( 25=2( 27=2( 32=2( 34=2( 34=2( 36=2( Max Grav 19=3; (LC 1 1), 24 26=9( (LC 1 1), 32 34=1( 36=2( 34=1()	D-11-4, 20=: D-11-4, 22=: D-11-4, 24=: D-11-4, 26=: D-11-4, 28=: D-11-4, 31=: D-11-4, 31=: D-11-4, 31=: D-11-4, 35=: D-11-4, 35=:D-11-4, 35=: D-11-4, 35=:D-11-4, 35=: D-11-4, 35=:D-11-4, 35=: D-11-4, 35=:D-11-	20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-11-4, 20-10, 23=98 (LC 1), 25=98 (LC 1), 25=98 (LC 1), 33=97 (LC 1), 35=79 (LC 1),	4 5 1=98 _C ), 8=98 _C ),	<ul> <li>Gable studs :</li> <li>Gable studs :</li> <li>Recommend 10-00-00 oc :</li> <li>(0.131" X 3") at their outer</li> <li>CAUTION, D OAD CASE(S)</li> </ul>	st lateral movemer spaced at 1-4-0 oc. 2x6 strongbacks, or and fastened to ear nails. Strongback ends or restrained o not erect truss ba Standard	t (i.e. d on edge ch truss s to be by othe ackward	iagonal web). a, spaced at s with 3-10d attached to wa er means. ds.	alls			A	NHTH CA	ROUM
FORCES	(lb) - Maximum ( Tension	Compressio	on/Maximum								4	is	P	14 Million
TOP CHORD	1-36=-18/0, 18- 3-4=-4/0, 4-5=-4 7-8=-4/0, 8-9=-4 12-13=-4/0, 13- 15-16=-4/0, 16- 35-36=0/4, 34-3 31-32=0/4, 29-3 30-02-0/4, 29-3	19=-36/0, 1- /0, 5-6=-4/0 /0, 9-11=-4, 14=-4/0, 14- 17=-4/0, 17- 5=0/4, 33-3 1=0/4, 28-2	-2=-4/0, 2-3=- 0, 6-7=-4/0, -15=-4/0, -15=-4/0, -18=-4/0 34=0/4, 32-333 29=0/4, 27-28	4/0, ), =0/4, =0/4,							Contractive State		SEA 0363	L
	26-27=0/4, 25-2 22-23=0/4, 21-2	ь=0/4, 24-2 2=0/4, 20-2	25=0/4, 23-24 21=0/4, 19-20	=0/4, =0/4									A. G	ILBERT

May 28,2025

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor		
	2F12	Floor	5	1	Job Reference (optional)	173795610	

Structural LLC Thurmont MD - 21788



NOTES

WEBS

Loading

TCLL

TCDI

BCLL

BCDL

WEBS

OTHERS

BRACING

FORCES

LUMBER

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

11-19=-480/0

2) All plates are 3x3 (=) MT20 unless otherwise indicated.

3-24=-13/215, 6-23=0/381, 6-22=-461/0.

8-22=0/474, 8-20=-734/0, 9-20=-56/0, 10-20=0/795, 12-18=-67/0, 11-18=0/484,

G mmm May 28,2025

SEAL

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VIIIIIIIIIII

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	Stonehaven Rev 2-EL-6,7-Floor		
	2F14	Floor	3	1	Job Reference (optional)	173795611	

Structural LLC Thurmont MD - 21788



## NOTES

WEBS

Loading

TCLL

TCDI

BCLL

BCDL

WEBS

OTHERS

FORCES

LUMBER

- Unbalanced floor live loads have been considered for 1) this design.
- 2) All plates are 3x3 (=) MT20 unless otherwise indicated.

Martin Constant 1111111111 036322 G mmm May 28,2025

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)



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F15	Floor	1	1	Job Reference (optional)	173795612		

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 Page: 1





## Scale = 1:22

00010 - 1.22													
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	0.24	Vert(LL)	-0.01	8-9	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.21	Vert(CT)	-0.02	8-9	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	7	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 42 lb	FT = 20%F, 12%E	: -
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)								·				
TOP CHORD	HORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.												
	Rigid ceiling directly applied or 10.0-0 oc												

BOT CHORD	bracing.	ing directly applied of 10-0-0 oc					
REACTIONS	(size)	7= Mechanical, 10=0-3-4					
	Max Grav	7=388 (LC 1), 10=388 (LC 1)					
FORCES	(lb) - Maximum Compression/Maximum						
	Tension						
TOP CHORD	1-10=-37/	/0, 6-7=-4/0, 1-2=0/0, 2-3=-585/0,					
	3-4=-521/	/0, 4-5=-521/0, 5-6=0/0					
BOT CHORD	9-10=0/44	48, 8-9=0/687, 7-8=0/203					
	0 40 50						

WEBS	2-10=-563/0, 2-9=0/178, 3-9=-133/0,
	3-8=-212/0, 4-8=-98/0, 5-8=0/406, 5-7=-427/0
NOTES	

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

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

# SEAL 036322 May 28,2025

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TRENCO AMITek Atfiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F16	Floor	2	1	Job Reference (optional)	173795613		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:20 Page: 1 ID:Vg1su3wf9kK2JRaELxjd8ny8MUL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0 15-7-4

Scale = 1:38.3

00010 - 1.00.0											-		
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.63	DEFL Vert(LL)	in -0.19	(loc) 16-17	l/defl >991	L/d 480	PLATES MT20	<b>GRIP</b> 244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.26	16-17	>720	360	-		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	12	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S	••••=						Weight: 81 lb	FT = 20%F, 12	%E
											0		
LUMBER													
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP SS(flat)												
WEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
BRACING													
TOP CHORD	Structural wood she	athing directly applie	ed or										
	6-0-0 oc purlins, ex	cept end verticals.											
BOT CHORD	RD Rigid ceiling directly applied or 10-0-0 oc												
REACTIONS	(size) 12= Mech	anical 19=0-3-4											
	Max Grav 12=844 (L	_C 1), 19=838 (LC 1	)										
FORCES	(lb) - Maximum Com	nression/Maximum	,										
	Tension	procolori/maximari											
TOP CHORD	1-19=-35/0. 11-12=-	39/0. 1-2=-2/0.											
	2-3=-1727/0. 3-4=-2	784/0. 4-5=-2784/0.											
	5-6=-3056/0. 6-7=-3	056/0. 7-8=-2758/0.											
	8-9=-2758/0.9-10=-	1731/0. 10-11=0/0											
BOT CHORD	18-19=0/1046, 17-18	8=0/2378, 16-17=0/3	3022,										
	15-16=0/3056, 14-1	5=0/3056, 13-14=0/2	2376.										
	12-13=0/1047	,	/										
WEBS	6-16=-264/58, 7-15=	-78/208, 10-12=-13	13/0,										
	10-13=0/890, 9-13=-	-840/0, 9-14=0/487,											
	8-14=-87/158, 7-14=	-723/0, 2-19=-1309	/0,								minin	Ultra .	
	2-18=0/887, 3-18=-8	847/0, 3-17=0/519,									IN'LY CA	Rall	
	4-17=-93/0, 5-17=-3	84/0, 5-16=-192/408	3							1	alli	0/11	
NOTES										E.	O' EESS	B. NY	
1) Unbalance	Unbalanced floor live loads have been considered for												
, this design									-		:0	le la	5

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

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)



Job	Truss	Truss Type G		Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F17	Floor	2	1	Job Reference (optional)	173795614		

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Scale = 1	1:36.8
-----------	--------

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.18	12-13	>837	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.24	12-13	>622	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.02	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD	2x4 SP SS(flat)							
BOT CHORD	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							
	6-0-0 oc purlins, except end verticals.							
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc							
	bracing.							
REACTIONS	(size) 10= Mechanical, 15=0-3-8							
	Max Grav 10=674 (LC 1), 15=668 (LC 1)							
FORCES	(lb) - Maximum Compression/Maximum							
	Tension							
TOP CHORD	9-10=-82/0, 1-15=-35/0, 1-2=-2/0,							
	2-3=-1295/0, 3-4=-1951/0, 4-5=-1951/0,							
	5-6=-1686/0, 6-7=-1686/0, 7-8=-1686/0,							
	8-9=0/0							
BOT CHORD	14-15=0/819, 13-14=0/1752, 12-13=0/1939,							
	11-12=0/1686, 10-11=0/800							
WEBS	6-12=-46/300, 7-11=-446/0, 2-15=-1025/0,							
	2-14=0/619, 3-14=-596/0, 3-13=0/254,							
	4-13=-71/0, 5-13=-119/69, 5-12=-545/26,							
	8-10=-1004/0, 8-11=0/1065							
NOTES								

### NOTES

 Unbalanced floor live loads have been considered for this design.

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

 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.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F18	Floor	3	1	Job Reference (optional)	173795615

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12-9-8

1-0-0

Scale = 1:38.3													
_oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
FCLL	40.0	Plate Grip DOL	1.00	TC	1.00	Vert(LL)	-0.18	13-14	>846	480	MT20	244/190	
FCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.24	13-14	>624	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.02	10	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 66 lb	FT = 20%F, 12%E	
UMBER													
FOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP SS(flat)												
NEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
BRACING													
FOP CHORD	Structural wood she	eathing directly applie	ed,										
	except end vertical	S.											
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.												
REACTIONS	(size) 10=0-3-8	3, 16=0-3-8											
	Mar. 0	0 4) 40 004 (104	<b>`</b>										

	Max Grav 10=684 (LC 1), 16=684 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-16=-34/0, 9-10=-70/0, 1-2=-2/0,
	2-3=-1335/0, 3-4=-2032/0, 4-5=-2032/0,
	5-6=-1839/0, 6-7=-1839/0, 7-8=-1406/0,
	8-9=-4/0
BOT CHORD	15-16=0/840, 14-15=0/1812, 13-14=0/2029,
	12-13=0/1839, 11-12=0/1839, 10-11=0/792
WEBS	6-13=-85/162, 7-12=0/450, 2-16=-1051/0,
	2-15=0/644, 3-15=-621/0, 3-14=0/281,
	8-10=-989/0. 8-11=0/799. 7-11=-892/0.

# NOTES

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

4-14=-77/0, 5-14=-139/73, 5-13=-434/75

Recommend 2x6 strongbacks, on edge, spaced at 2) 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	Stonehaven Rev 2-EL-6,7-Floor				
	2FGE6	Floor Supported Gable	1	1	Job Reference (optional)	173795616			

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# Scale = 1:23.2

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 IRC2021/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.09 0.01 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	<b>PLATES</b> MT20 Weight: 36 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%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 she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or	ed or c									
REACTIONS	(size) 8=7-11-12 11=7-11- 13=7-11- Max Grav 8=63 (LC (LC 1), 11 1) 13=14	2, 9=7-11-12, 10=7- <sup>-</sup> 12, 12=7-11-12, 12, 14=7-11-12 1), 9=143 (LC 1), 10 I=146 (LC 1), 12=14 1 (I C 1), 14=56 (I C	11-12, 0=148 -8 (LC									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension	/0 1-210/0 2-3	10/0									
	3-4=-10/0, 4-5=-10/0	), 5-6=-10/0, 6-7=-10	0/0									
BOT CHORD	13-14=0/10, 12-13=	0/10, 11-12=0/10,										
WEBS	6-9=-130/0, 5-10=-1 3-12=-135/0, 2-13=-	34/0, 4-11=-133/0, 129/0										111
NOTES											WH CA	ROUL
1) All plates a	are 1.5x3 (  ) MT20 ur	less otherwise								S'	R	in Line
2) Gable reg	uires continuous botto	m chord bearing								12	C FESS	March
<ol> <li>Truss to b</li> </ol>	e fully sheathed from c	one face or securely							4	V	K /	
braced ag	ainst lateral movemen	t (i.e. diagonal web).									CE A	1 E
<ol> <li>Gable stud</li> <li>Recommended</li> </ol>	ds spaced at 1-4-0 oc.	n edge snaced at							=	:	SEA	
10-00-00 0	bc and fastened to eac	ch truss with 3-10d									0363	22 : 3
(0.131" X	3") nails. Strongbacks	to be attached to w	alls						-	-	N	1. 2
6) CAUTION	, Do not erect truss ba	ckwards.								-	N. ENGIN	EER. A.S
LOAD CASE(	S) Standard										A. C	ILBERTIT'

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



May 28,2025

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F20	Floor	3	1	Job Reference (optional)	173795617

#### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:21 Page: 1 ID:OSHNkRz9DyqTn2t0annZldy8MUH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0

<u> </u>	
Scale =	= 1:36.8

			-											
Loa	ding	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCL	L -	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.07	12-13	>999	480	MT20	244/190	
ТСЕ	DL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.09	12-13	>999	360			
BCL	_L	0.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.02	9	n/a	n/a			
BCE	DL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 60 lb	FT = 20%F, 12	2%E
1 111	<b>IBER</b>													
TOF	CHORD	2x4 SP No.2(flat)												
BOI	CHORD	2x4 SP No.2(flat)												
WEI	BS	2x4 SP No.3(flat)												
OTH	HERS	2x4 SP No.3(flat)												
BR/	ACING													
TOF	P CHORD	Structural wood she	athing directly applie	ed or										
		6-0-0 oc purlins, exe	cept end verticals.											
BOI	r CHORD	Rigid ceiling directly	applied or 10-0-0 o	0										
		bracing.												
RE/	ACTIONS	(size) 9=0-3-8, 1 Max Grav 9=422 (10	14=0-7-0 C 1)14=418(I C 1)											
FOF	RCES	(lb) - Maximum Com	nression/Maximum											
	.020	Tension												
TOF	P CHORD	1-14=-24/0, 8-9=-38/	/0, 1-2=-1/0, 2-3=-80	02/0,										
		3-4=-1131/0, 4-5=-1	131/0, 5-6=-832/0,											
		6-7=-832/0, 7-8=0/0												
BOI	r CHORD	13-14=0/513, 12-13=	=0/1057, 11-12=0/1	131,										
\//EI	BS	10-11=0/1131, 9-10=	=0/490 15/71 2-11-612/0											
	53	2-13=0/375_3-13=-3	32/0 3-12=-20/242											
		7-9=-622/0. 7-10=0/4	429. 6-10=-96/48.	1										
		5-10=-438/0	120,010 00,10,											
NOT	TES											minin	1111	
1)	Unbalance	ed floor live loads have	been considered fo	r								W'TH CA	Rolly	
	this desigr	n.										R	a line	
2)	Recomme	end 2x6 strongbacks, o	n edge, spaced at								5.	EFOR	DN. V.	1
	10-00-00	oc and fastened to eac	h truss with 3-10d							4	Ż		Air	1
	(U.131" X	3") nails. Strongbacks	to be attached to w	alis										-
2)		Ler erios or restrained l	by other means.								:	SEA	L :	1
3)	CAUTION	i, Do not elect truss ba	ukwalus.							_	•	JLA	<b>_</b> •	

LOAD CASE(S) Standard



036322

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 BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Stonehaven Rev 2-EL-6,7-Floor			
	2F21	Floor Girder	1	1	Job Reference (optional)	173795618

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:21 Page: 1 ID:serlxn\_o\_GyKPCSC8Vlorqy8MUG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





13-7-4

1-0-0

Scale = 1:37.4

Loading		(psf)	Spacing	1-4-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		40.0	Plate Grip DOL	1.00		TC	0.35	Vert(LL)	-0.04	12-13	>999	480	MT20	244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.39	Vert(CT)	-0.05	12-13	>999	360		
BCLL		0.0	Rep Stress Incr	NO		WB	0.21	Horz(CT)	0.01	11	n/a	n/a		
BCDL		5.0	Code	IRC2021	/TPI2014	Matrix-S		- (- )					Weight: 73 lb	FT = 20%F, 12%E
LUMBER				6)	CAUTION. D	o not erect truss b	ackward	ds.		-				
TOP CHORD	2x4 SP N	o 2(flat)		10	AD CASE(S)	Standard								
BOT CHORD	2x4 SP N	o.2(flat)		1)	Dead + Flor	or Live (balanced).	Lumbe	r Increase=1 (	າດ					
WEBS	2x4 SP N	o.3(flat)		•,	Plate Increa	se=1.00	Lambo		<i></i> ,					
BRACING					Uniform Loa	ads (lb/ft)								
TOP CHORD	Structural	l wood she	athing directly applie	d or	Vert: 11-	17=-7. 1-10=-67								
	6-0-0 oc j	purlins, exc	cept end verticals.		Concentrate	ed Loads (lb)								
BOT CHORD	CHORD Rigid ceiling directly applied or 6-0-0 oc Vert: 1=-79 bracing.													
REACTIONS	(size)	11=0-3-8, Mechanic	16=0-7-0, 17= al											
	Max Uplift	17=-209 (	LC 4)											
	Max Grav	11=361 (L	_C 4), 16=860 (LC 7)											
		17=66 (LC	C 3)	,										
FORCES	(lb) - Max Tension	timum Com	pression/Maximum											
TOP CHORD	1-17=-90/	/0. 10-11=-:	39/0. 1-2=0/0. 2-3=0/	658.										
	3-4=0/658	8, 4-5=-318	3/0, 5-6=-823/0,	,										
	6-7=-823/	0, 7-8=-68	9/0, 8-9=-689/0, 9-10	)=0/0										
BOT CHORD	16-17=-18	83/0, 15-16	=-142/77, 14-15=0/6	46,										
	13-14=0/8	823, 12-13=	=0/823, 11-12=0/416											
WEBS	3-16=-86/	/0, 6-14=-14	44/0, 7-13=-33/17,											
	2-16=-60	1/0, 2-17=0	/347, 4-16=-709/0,											
	4-15=0/43	38, 5-15=-4	27/0, 5-14=0/288,										minin	1111
	9-11=-522	2/0, 9-12=0	/349, 8-12=-109/6,										"TH CA	Rolly
	7-12=-214	4/0										1	R	A LING
NOTES											/	1	FESS	NY Vil
<ol> <li>Unbalance this designation</li> </ol>	n.	loads have	been considered for								4		12 /	C.
2) Refer to g	girder(s) for t	russ to trus	s connections.								-		0.5.4	1
3) Provide r	nechanical c	onnection (	by others) of truss to									:	SEA	L : =
bearing p	late capable	of withstar	nding 209 lb uplift at j	oint							- 8		0363	22 =
17.													. 05057	: E
4) Load cas	e(s) 1 has/ha	ave been m	odified. Building										<b>N</b> (1997)	1 3
designer	must review	loads to ve	erify that they are cor	rect							S	1	·	Airi
for the int	ended use o	of this truss.										25	GINE	Et als
5) Kecomm	end 2x6 stro	nybacks, o	n euge, spaced at									11	10	BEIN
(0 131" ¥	3") naile St	tronghacks	to be attached to wa	lle									11, A. G	ILLIN
at their o	iter ends or	restrained l	hy other means										111111	1111,
		. contained i	c, calor mount.										Mav	28,2025
													- 7	

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

Job	Truss	Truss Type	Qty Ply		Stonehaven Rev 2-EL-6,7-Floor	
	2F22A	Floor	1	1	Job Reference (optional)	173795619

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:21 Page: 1 ID:KqP897?Qla4B1M10iCp102y8MUF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

> 818 Soundside Road Edenton, NC 27932



13-7-4

Scale = 1:37.4

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.34 0.43 0.27	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.08 0.01	(loc) 14-15 14-15 11	l/defl >999 >999 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 73 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%	%Е
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 11=0-3-8, Max Grav 11=401 (L	athing directly applie cept end verticals. applied or 6-0-0 oc , 16=0-7-0 _C 4), 16=2997 (LC	Vert: 11- Concentrat Vert: 1=- ed or 1)	17=-7, 1-10=-67 ed Loads (lb) 110, 3=-2300									
TOP CHORD	(lb) - Maximum Compression/Maximum Tension RD 1-17=-106/0, 10-11=-39/0, 1-2=0/0, 2-3=0/307, 3-4=0/307, 4-5=-622/25, 5-6=-1026/0, 6-7=-1026/0, 7-8=-783/0, 8-9=-783/0, 9-10=0/0 D 16 17 51/0 15 16 141/215 14 15 0/005												
BOT CHORD WEBS	8-9=-783/0, 9-10=0/0 NRD 16-17=-51/0, 15-16=-141/315, 14-15=0/905, 13-14=0/1026, 12-13=0/1026, 11-12=0/469 3-16=-2373/0, 6-14=-147/0, 7-13=-40/57, 2-16=-325/0, 2-17=0/121, 4-16=-679/0, 4-15=0/411, 5-15=-384/0, 5-14=0/324, 9-11=-588/0, 9-12=0/402, 8-12=-114/36, 7-12=-327/0												
NOTES											"TH CA	Roille	
<ol> <li>Unbalance this design</li> </ol>	ed floor live loads have	e been considered fo	ſ							A.	OF	ANI.	
<ol> <li>Load case designer m for the inte</li> </ol>	(s) 1 has/have been must review loads to ve nuded use of this truss	nodified. Building erify that they are co	rrect						1	i p	2 PP	No.	2
<ol> <li>Recommer 10-00-00 o (0.131" X 3 at their out</li> </ol>	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks er ends or restrained	on edge, spaced at th truss with 3-10d to be attached to way by other means.	alls						THUN IN		0363	22	unun
4) CAUTION,	Do not erect truss ba	ickwards.								5	·	airs	
LOAD CASE(S 1) Dead + F Plate Incr Uniform L	<ul> <li>Standard</li> <li>loor Live (balanced): I</li> <li>rease=1.00</li> <li>loads (lb/ft)</li> </ul>	Lumber Increase=1.(	00,								A. G May	28,2025	
WARN	ING - Verify design paramete	ers and READ NOTES ON	THIS AND INCLUDED MITEK R	EFERENCE PAGE MII-7	7473 rev. 1	/2/2023 BEFORE	USE.				ENGINEER	NG BY	

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F22	Floor	2	1	Job Reference (optional)	173795620

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:21 Page: 1 ID:KqP897?Qla4B1M1OiCp1O2y8MUF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

> 818 Soundside Road Edenton, NC 27932



13-7-4

Scale - 1:37.4

00010 - 1.07.4													
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.35 0.42 0.19	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.07 -0.07 0.01	(loc) 14-15 14-15 11	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 73 lb	<b>GRIP</b> 244/190 FT = 20%F, 12	2%E
ACTES NOTES NOTES 10 Unbalance this designer for the inter 30 Recommer 10 Octoor 10 Oc	0.0 5.0 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 11=0-3-8, Max Grav 11=395 (L (lb) - Maximum Com Tension 10-11=-39/0, 1-17= 2-3=0/315, 3-4=0/31 5-6=-996/0, 6-7=-996 8-9=-770/0, 9-10=0// 16-17=-67/0, 15-16= 13-14=0/996, 12-13- 3-16=-82/0, 2-16=-3 6-14=-158/0, 7-13=-4 4-15=0/404, 5-15=-3 9-11=-578/0, 9-12=0 7-12=-350/8 d floor live loads have L (s) 1 has/have been m ust review loads to ve nded use of this truss.	Rep Stress incr           Code           athing directly applie           cept end verticals.           applied or 6-0-0 oc           16=0-7-0           LC 4), 16=690 (LC 1)           pression/Maximum           105/0, 1-2=0/0,           5, 4-5=-609/39,           6/0, 7-8=-770/0,           0           -0/996, 11-12=0/461           12/0, 2-17=0/128,           43/52, 4-16=-664/0,           82/0, 5-14=0/319,           y/394, 8-12=-116/32,           b been considered for           nodified. Building           prify that they are cord           n           edge, spaced at	NU IRC2021/TPI2014 Vert: 11- Concentrat Vert: 1=- d or 3888,	WB Matrix-S 17=-7, 1-10=-67 ed Loads (lb) 96	0.19	Horz(C1)	0.01			n/a	Weight: 73 lb	FT = 20%F, 12	%E
10-00-00 o (0.131" X 3 at their outu 4) CAUTION, LOAD CASE(S 1) Dead + FI Plate Incr Uniform L	c and fastened to eac 3") nails. Strongbacks er ends or restrained h Do not erect truss bar 5) Standard loor Live (balanced): L rease=1.00 Loads (lb/ft)	h truss with 3-10d to be attached to wa by other means. ckwards. .umber Increase=1.0	alls DO,						THRE.	A A A A A A A A A A A A A A A A A A A	0363	22 EEREN ILBERTITUT 28,2025	unun.

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

r											1				
Job		Truss		Truss Ty	/pe			Qty		Ply	Stonehave	en Rev 2	-EL-6,	7-Floor	173705621
		2F23A	١	Floor				1		1	Job Refer	ence (op	tional)		173793021
Structural, LLC,	Thurmont, MD ·	21788,				Run: 25	5.20 S May 13	2025 P	Print: 25	5.2.0 S May	/ 13 2025 MiT	ek Indust	ries, Inc	. Wed May 28 11:18	3:21 Page: 1
		1-3	<u>0</u>			iD.rxqr d		Oleph	OZYON		50101451456	JF qH⊑owo		KWICD01/3423C?1	
		0-4-4			2	-0-0	1-4-4			0-9-4					
		4x4 =					1.5x3	II							
		3x3 II 1 2	3x3 ။ З 4	5	1.5x3 u 5 6	7	3x6 FP 8 9	10	)	3x3 n 11 12	1.5x3 2 13	" 14		3 15 1	x3 II
	1-2-0					•									
		440		25	24	23	3 22	21		X	19		18		
		4xo =	26 3x6 =			1.5	5x3 II 3x6 =			20 3x6 =	3x6 =			Зх	6 =
						9-2-12		3x6 FI	Ρ						
			2-1-12		8-2-1	2									
		1-10-	4	7-2-12		+ +	13-	<u>5-8</u>		_		20-11	-12		4
		1-10-4	+ 0-3-8	5-1-0	1-0-0	D	4-2	-12				7-0-	4		
						1-0-0	~								
Scale = 1:43							20-11-12								-
Loading		(psf)	Spacing	1-4-0		CSI	•		DEFL	÷	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL TCDL		40.0 10.0	Plate Grip DOL Lumber DOL	1.00 1.00		TC BC	0. 0.	36 V 46 V	/ert(Ll /ert(C	_) -0. T) -0.	07 24-25 08 24-25	>999 >999	480 360	MT20	244/190
BCLL BCDI		0.0 5.0	Rep Stress Incr	NO IRC2021	/TPI2014	WB Matrix-S	0.	22   +	lorz(C	τ́) 0.	01 17	n/a	n/a	Weight <sup>,</sup> 112 lb	FT = 20%F 12%F
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD	2x4 SP No. 2x4 SP No. 2x4 SP No. Structural v 6-0-0 oc pu Rigid ceilini bracing. (size) 1 Max Grav 1 2 (lb) - Maxim Tension 1-27=-129// 2-3=0/334, 5-6=-79300	2(flat) 2(flat) 3(flat) vood shea rlins, exc g directly 7=0-3-8, 7=240 (L 26=678 (L num Com 0, 16-17= 3-4=0/33 6-7=-79;	athing directly appli ept end verticals. applied or 6-0-0 oc 20=0-3-8, 26=0-7-1 C 11), 20=780 (LC C 3) pression/Maximum -25/0, 1-2=0/0, 4, 4-5=-511/105, 3/0, 7-9=-460/48,	4) 5) eed or 6) <b>LO</b> 0 1) 4),	Load case(s) designer muss for the intend Recommend 10-00-00 oc a (0.131" X 3") at their outer CAUTION, Du <b>AD CASE(S)</b> Dead + Floc Plate Increa Uniform Loa Vert: 17-2 Concentrate Vert: 1=-1	1 has/hav t review li ed use of 2x6 stron and faster nails. Str ends or re o not erec Standard r Live (ba se=1.00 ds (ib/ft) 27=-7, 1-1 d Loads ( 27	ve been mod oads to verify this truss. ged to each t ongbacks to estrained by ct truss backs d alanced): Lun 6=-67 (lb)	ified. E dge, s russ w be atta other r vards.	Buildir they a spaceo rith 3- acheo means ncreas	ng re correct 1 dat 1 do 1 to walls 3. se=1.00,	t				
NOTES 1) Unbalance this design 2) All plates : 3) One H2.5, recommen UPLIFT at does not compared	9-10-460// 12-13=-255 14-15=-344 26-27=-62// 24-25=-31/ 20-22=-151 18-19=-78// 3-26=-84/0 11-20=-83// 4-26=-616// 15-17=-345 14-19=-254 13-19=-67// ed floor live lo n. are 3x3 (=) M A Simpson St nded to conner tjt(s) 17. This consider latera	+o, 10-11 /170, 13- /23, 15-1 0, 25-26= 748, 23-2 /114, 19- 389, 17-1 6-249 0, 2-26=-(2 0, 4-25=0 77, 10-20 /0, 15-18 /0, 9-22= 0, 12-19= ads have T20 unle rong-Tie of cct truss to connectic al forces.	=//57/5, 11-12=U/5 14=-255/170, 6=0/0 -200/239, 4=0/793, 22-23=0/ 20=-302/23, 8=0/275 1/0, 7-23=0/74, 345/0, 2-27=0/147, /364, 5-25=-322/0, =-628/0, 10-22=0/4 =-39/90, 14-18=-55 -84/46, 7-22=-434/ 0/383, 12-20=-410, been considered finds so otherwise indication observing walls due on is for uplift only a	793, 793, 9/71, 0, /0 or tted. ± to and										SEA 0363	L L L BERINI

May 28,2025

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Job	Truss	Truss Type Qty		Ply	Stonehaven Rev 2-EL-6,7-Floor					
	2F24	Floor	2	1	Job Reference (optional)	173795622				



# NOTES

WEBS

Loading

TCLL

TCDL

BCLL

BCDL

WFBS BRACING

FORCES

LUMBER

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

2) All plates are MT20 plates unless otherwise indicated. 3)

Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

13-15=-990/0, 13-16=0/700, 12-16=-665/0,

12-17=0/444, 11-17=-50/0, 10-17=-366/0,

10-18=0/153, 8-18=-107/47, 8-20=-517/48



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818 Soundside Road

Edenton, NC 27932

Job	Truss Truss Type C		Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F25	Floor Girder	1	1	Job Reference (optional)	173795623		



BOT CHORD 23-24=-49/0, 22-23=-32/811, 21-22=0/2208, 20-21=0/2960, 18-20=0/3326, 17-18=0/3134, 16-17=0/2323, 15-16=0/996 WEBS 3-23=-97/0, 6-21=-466/0, 7-20=-59/211, 2-23=-331/0, 2-24=0/117, 4-23=-1265/0, 4-22=0/881 5-22=-959/0 5-21=0/1088 13-15=-1249/0, 13-16=0/886, 12-16=-842/0, 12-17=0/567, 11-17=-63/0, 10-17=-468/0, 10-18=0/201, 8-18=-147/46, 8-20=-626/80

12-13=-1676/0, 13-14=0/0

# NOTES

Loading

TCLL

TCDL

BCLL

BCDL

WFBS BRACING

FORCES

LUMBER

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

2) All plates are MT20 plates unless otherwise indicated. 3) Load case(s) 1 has/have been modified. Building

designer must review loads to verify that they are correct for the intended use of this truss.

MILLIN ORT VIIIIIIIIII SEAL 036322 G mmm May 28,2025

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F26	Floor	2	1	Job Reference (optional)	173795624		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22 Page: 1 ID:ehsevcSoehPMAXWyOkEbQdzvFV4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



17-11-0



Scale = 1:40.7

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

			_													
Loading TCLL TCDL BCLL BCDL	3	(psf 40.0 10.0 0.0 5.0	)	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC202	21/TPI2014	CSI TC BC WB Matrix-S	0.67 0.82 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.28 -0.41 0.05	(loc) 17-18 17-18 13	l/defl >763 >515 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 91 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F, 1	2%E
LUMBE TOP CH BOT CH WEBS OTHER: BRACIN	R IORD 2x. (fla IORD 2x. (fla 2x. S 2x. S 2x. IG	4 SP SS(flat) * at) 4 SP SS(flat) * at) 4 SP No.3(flat) 4 SP No.3(flat)	Exc	ept* 7-12:2x4 SP No ept* 16-13:2x4 SP N	4 5.2 No.2 5 L 1	<ul> <li>Recommend 10-00-00 oc (0.131" X 3") at their outer</li> <li>CAUTION, D</li> <li>CAUTION, D</li> <li>CAD CASE(S)</li> <li>Dead + Flor Plate Increas</li> </ul>	2x6 strongbacks, c and fastened to ear nails. Strongbacks ends or restrained o not erect truss ba Standard or Live (balanced): use=1.00 adc (lb(ft)	on edge ch truss s to be by othe ackward Lumbe	e, spaced at s with 3-10d attached to w er means. ds. r Increase=1.	valls 00,						
BOT CH	IORD Sti 6-I IORD Rij bra	ructural wood s 0-0 oc purlins, gid ceiling dire acing.	exc exc ctly	atning directly applie cept end verticals. applied or 10-0-0 oc	a or	Vert: 13-	21=-7, 1-5=-67, 5-2	3=-80,	12-23=-67							
REACTI	IONS (size	e) 13=0-{ (Grav 13=67	5-8, 1 (I	21=0-7-0 C 1) 21=665 (I C 1)												
FORCE	S (lb	) - Maximum C	om	pression/Maximum												
TOP CH	IORD 1-2 2-3 5-6	21=-21/3, 12-1 3=-1389/0, 3-4 6=-2613/0, 6-8 10=-2378/0, 10	3=-2 =-26 =-28	26/0, 1-2=-1/0, 613/0, 4-5=-2613/0, 863/0, 8-9=-2378/0, =-1423/0, 11-12=0/0	n											
ВОТ СН	IORD 20 17	-21=0/835, 19 -18=0/2921, 1	-20= 5-17	0/1984, 18-19=0/26 =0/2716, 14-15=0/1	, 981, 981,										11.	
WEBS	13 4- 2-2 11 10 8-	-14=0/840 19=-385/0, 5-1 20=0/721, 3-20 -13=-1054/0, 1 )-15=0/507, 9-1 17=0/200, 6-17	8=-4 )=-7 1-14 5=-4 '=-1	40/180, 2-21=-1046// 75/0, 3-19=0/893, 4=0/760, 10-14=-72: 47/0, 8-15=-432/0, 52/0, 6-18=-512/39	0, 5/0,							4	A.L.	OR EESS	ROUT	
NOTES				,								-		0.54		-
1) Unb this	alanced flo design.	oor live loads h	ave	been considered for	r									SEA 0363	L :	1111
2) All p 3) Load	blates are N d case(s) 1	/IT20 plates un has/have bee review loads to	less n m	otherwise indicated odified. Building rify that they are cor	t. rect											1111

designer must review loads to verify that they are correct for the intended use of this truss.



May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor				
	2FGE4	Floor Supported Gable	1	1	Job Reference (optional)	173795625			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:23 Page: 1 ID:dSrCBKIT5y6nv2t?6FFgM5y8MTt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:30.6															
Loading TCLL TCDL BCLL BCDL		(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC202	21/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.06 0.01 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 16	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 73 lb	<b>GRIP</b> 244/190 FT = 20%F, 12	2%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Structural we 6-0-0 oc purl Rigid ceiling bracing. (size) 16 19 22 26 29 Max Grav 16 (L 1) 23 26 (L 1) 23 26 (L 1) 23 26 (L 1) 23 26 (L 1) 23 26 (L 1) 23 26 (L 1) 23 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 26 29 26 29 26 26 29 29 26 26 29 26 29 26 26 29 27 26 26 29 27 26 29 26 29 26 26 29 27 26 29 29 26 29 26 29 29 26 29 29 26 29 26 29 29 26 29 29 26 29 26 29 29 26 29 29 26 29 29 26 29 29 29 29 29 29 29 29 29 29 29 29 29	(flat) (f	athing directly applie sept end verticals. applied or 10-0-0 oc 4, 17=17-5-4, 18=17- 4, 20=17-5-4, 21=17- 4, 22=17-5-4, 25=17- 4, 27=17-5-4, 28=17- 5, 30=17-5-4 C 1), 17=94 (LC 1), 1 =98 (LC 1), 20=98 (I (LC 1), 22=98 (LC 1), 2 =100 (LC 1), 30=41	3 4 5 5-4, 7 5-4, 1 5-4, 1 5-4, 1 5-4, 1 LC 1), 8=97 (LC	<ul> <li>Truss to be f braced again</li> <li>Gable studs</li> <li>Load case(s) designer musi- for the intence</li> <li>Recommend 10-00-00 oc (0.131" X 3") at their outer</li> <li>CAUTION, D</li> <li>CAUTION, D</li> <li>OAD CASE(S)</li> <li>Dead + Floor Plate Increase Uniform Loase</li> <li>Vert: 16-3</li> </ul>	ully sheathed fror st lateral movem spaced at 1-4-0 c 1 has/have beer st review loads to led use of this tru 2x6 strongbacks and fastened to e nails. Strongbac ends or restraine o not erect truss Standard or Live (balanced ise=1.00 ads (lb/ft) 30=-7, 1-32=-67,	n one fac ent (i.e. d or. n modified verify that ss. , on edge ach truss ks to be ed by othe backward ): Lumbe 10-32=-6	d. Building at they are co by spaced at swith 3-10d attached to w er means. ds. r Increase=1. 9, 10-15=-67	alls						
FORCES	(lb) - Maximu Tension	um Com	pression/Maximum										mm	1111	
TOP CHORD	1-30=-38/0, 3-4=-8/0, 4-5 7-8=-8/0, 8-1 12-13=-8/0, 29-30=0/8, 2	15-16=-3 5=-8/0, 5 10=-8/0, 13-14=-8 28-29=0/	38/0, 1-2=-8/0, 2-3=- -6=-8/0, 6-7=-8/0, 10-11=-8/0, 11-12=- 8/0, 14-15=-8/0 8, 27-28=0/8, 26-27=	·8/0, ·8/0, =0/8.							L	in	ORTH CA	RO	ŗ
	25-26=0/8, 2 20-21=0/8, 1 16-17=0/8	23-25=0/ 9-20=0/	8, 22-23=0/8, 21-22= 8, 18-19=0/8, 17-18=	=0/8, =0/8,									SEA	L	11111
WEBS	14-17=-86/0, 11-20=-89/0, 7-23=-92/0, 6 4-27=-89/0, 3	, 13-18= , 10-21= 6-25=-8 3-28=-8	-90/0, 12-19=-89/0, -90/0, 8-22=-92/0, 9/0, 5-26=-89/0, 9/0, 2-29=-91/0										0363	EER AS	mm <sub>11</sub>
NOTES												1	S. GIN	E. CAN	
1) All plates indicated.	are 1.5x3 (  ) M	1T20 un	less otherwise										A. C	ILBE	
<ol><li>Gable req</li></ol>	uires continuou	us bottor	n chord bearing.										Ma	/ 28,2025	

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2F27	Floor	1	1	Job Reference (optional)	173795626

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1-0-0

Coolo		1.26	0
Scale	= 1		0

Loading	(psf)	Spacing	1-4-0	CSI	0.07	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TOLL	40.0	Plate Grip DOL	1.00		0.37	Vert(LL)	-0.07	12-13	>999	480	M120	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.09	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 60 lb	FT = 20%F, 12%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 shea	athing directly applie	ed or									
	6-0-0 oc purlins, exc	cept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	2									
REACTIONS	(size) 9=0-3-8, 1	4=0-7-0										
	Max Grav 9=422 (LC	C 1), 14=418 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	8-9=-38/0. 1-14=-24/	/0. 1-2=-1/0. 2-3=-80	)2/0.									
	3-4=-1131/0, 4-5=-1	131/0, 5-6=-832/0,	,									
	6-7=-832/0, 7-8=0/0	, ,										
BOT CHORD	13-14=0/513, 12-13=	=0/1057, 11-12=0/11	31,									
	10-11=0/1131, 9-10=	=0/496										
WEBS	5-11=-15/74, 4-12=-	116/0, 7-9=-622/0,										
	7-10=0/429, 2-14=-6	42/0, 2-13=0/375,										
	3-13=-332/0, 3-12=-2	20/242, 6-10=-96/48	,									
	5-10=-438/0											
NOTES											minin	11111

 Unbalanced floor live loads have been considered for this design.

 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.

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FG5	Floor Girder	1	1	Job Reference (optional)	173795627

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22 ID:mWKqo8Y\_UfhHV?3G1h?RmuzvB0J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



**THA422** 





Special





#### alo - 1.27 9 So

Scale = 1.27.0											-		
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.01	7	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.02	7-8	>999	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.01	6	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 44 lb	FT = 20%F, 12%E	
LUMBER TOP CHORD	2x4 SP No.2(flat)		7) Hanger(s) o provided su	or other connect	ion device(s	) shall be ated load(s)	105						

BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.

BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	6= Mechanical, 8=0-3-8
	Max Grav	6=1494 (LC 1), 8=1211 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-8=-127	/0, 5-6=-162/0, 1-2=0/0,
	2-3=-174	1/17. 3-4=-1741/17. 4-5=0/0

BOT CHORD 7-8=0/1596, 6-7=0/1370 WEBS 2-8=-1918/0, 2-7=-290/178, 3-7=-368/274, 4-7=-153/452, 4-6=-1896/0

# NOTES

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

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

Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d 4) Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-10-4 from the left end to 3-10-4 to connect truss(es) to front face of top chord.

5) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 0-10-7 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.

Fill all nail holes where hanger is in contact with lumber. 6)

Ib down and 467 lb up at 2-10-7, and 350 lb down and 74 lb up at 4-5-10 on top chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) section, loads applied to the face 8)

of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1-2-0

- Dead + Floor Live (balanced): Lumber Increase=1.00, 1) Plate Increase=1.00 Uniform Loads (lb/ft)
  - Vert: 6-8=-7, 1-5=-67
  - Concentrated Loads (lb)

Vert: 3=-105 (B), 4=-778 (F), 9=-330 (B), 10=-778





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 a fuss system. Derive use, the building designer host verify the applications of design had been and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	2FGE5	Floor Supported Gable	1	1	Job Reference (optional)	173795628

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:23 ID:enXSeDmOT3I0isvIyGHwrXzf3Zi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





0-3-8

2-1-8 2-1-8

Scale = 1:32.1												
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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 13 lb	FT = 20%F, 12%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 sheathing directly applied or 2-1-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 4=2-1-8, 5=2-1-8, 6=2-1-8
	Max Grav 4=35 (LC 1), 5=105 (LC 1), 6=60 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-6=-55/0, 3-4=-27/0, 1-2=-9/0, 2-3=-9/0
BOT CHORD	5-6=0/9, 4-5=0/9
WEBS	2-5=-100/0

# NOTES

1) Gable requires continuous bottom chord bearing.

2)

Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). Gable studs spaced at 1-4-0 oc. 3)

Recommend 2x6 strongbacks, on edge, spaced at 4) 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	Stonehaven Rev 2-EL-6,7-Floor				
	1F5A	Floor	1	1	Job Reference (optional)				
Structural. LLC, Thurmont. MD - 21788. Run: 25.20 S. May 13 2025 Print: 25.2.0 S. May 13 2025 MiTek Industries. Inc. Wed May 28 11:18:1				Page: 1					

Structural LLC Thurmont MD - 21788

Scale = 1:46

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

BRACING

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

1)

2)

REACTIONS (size)

bracing.

Max Uplift

Max Grav

Tension

Rigid ceiling directly applied or 6-0-0 oc

25=0-5-8

15=-775 (LC 3)

1-25=-29/0, 14-15=0/774, 1-2=-2/0, 2-3=-697/0, 3-4=-845/0, 4-6=-459/0, 6-7=0/547, 7-8=0/548, 8-9=-513/79, 9-10=-513/79, 10-11=-513/79,

16-17=-376/0. 15-16=-46/0

Unbalanced floor live loads have been considered for

All plates are 3x3 (=) MT20 unless otherwise indicated.

14-16=-1180/0

(lb) - Maximum Compression/Maximum

11-12=-104/106, 12-13=0/915, 13-14=0/914

24-25=0/474. 23-24=0/894. 22-23=0/775. 21-22=-108/117, 19-21=-226/182, 18-19=-79/513, 17-18=-60/416,

7-21=-92/0, 9-19=-219/0, 10-18=-81/13, 13-16=-100/0, 2-25=-593/0, 2-24=0/291,

3-24=-255/0, 3-23=-100/0, 4-23=0/129,

4-22=-450/0, 6-22=0/479, 6-21=-652/0, 8-21=-547/0, 8-19=0/460, 11-18=-25/123

11-17=-408/0, 12-17=0/452, 12-16=-734/0,

15=0-5-8, 16=0-3-8, 21=0-4-8,

15=-229 (LC 5), 16=1351 (LC 12),

21=885 (LC 3), 25=396 (LC 12)

LUMBER

TOP CHORD

BOT CHORD

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14 ID:9wzDLEVFSHeWvT8IIATnJYzewTm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F6A	Floor	6	1	Job Reference (optional)	173795631

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:15 Page: 1 ID:Jtvz6U\_rutuFPG4GwPjTIBzewVj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



10-2-12 10-2-12

Scale = 1:26.6

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-7-3 1.00 1.00	CSI TC BC	0.23 0.33	DEFL Vert(LL) Vert(CT)	in -0.03 -0.05	(loc) 9-10 9-10	l/defl >999 >999	L/d 480 360	PLATES MT20	<b>GRIP</b> 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S				-			Weight: 54 lb	FT = 20%F, 12%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 6-0-0 oc purlins, ex	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS	(size) 8=0-4-8, 2	13=0-5-8										
	Max Grav 8=439 (LC	C 1), 13=434 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension	'										
TOP CHORD	1-13=-27/0, 7-8=-31	/0, 1-2=-2/0, 2-3=-7	89/0,									
	3-4=-1038/0, 4-5=-1	038/0, 5-6=-791/0,										
	6-7=0/0											
BOT CHORD	12-13=0/527, 11-12	=0/1038, 10-11=0/1	038,									
	9-10=0/1026, 8-9=0/	/527										
WEBS	6-8=-661/0, 2-13=-6	59/0, 6-9=0/344,										
	2-12=0/341, 5-9=-30	J6/U, 3-12=-319/U,	22									
	5-10=-100/163, 3-11	1=-36/70, 4-10=-40/2	22									
NOTES												

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor				
	1FGE3A	Floor Supported Gable	1	1	Job Reference (optional)	173795632			

# Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:18 ID:FOIH7q5nAjdoeHPS5h0RRyzew4T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



# Scale = 1:26.2

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-7-3 1.00 1.00	<b>CSI</b> TC 0. BC 0.	.06 .02	DEFL Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 244/190
BCDL	0.0 5.0	Code	IRC2021/TPI2014	Matrix-R	.03	HONZ(TL)	0.00	10	n/a	n/a	Weight: 44 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she	eathing directly applic	LOAD CASE(S)	Standard								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS	(size) 10=9-10- 13=9-10- 16=9-10- Max Grav 10=8 (LC (LC 1), 15 1), 15=11 17=117 (J	0, 11=9-10-0, 12=9- 0, 14=9-10-0, 15=9- 0, 17=9-10-0, 18=9- 1), 11=80 (LC 1), 1: 3=116 (LC 1), 14=11 7 (LC 1), 16=118 (L C 1) 18=43 (I C 1)	10-0, 10-0, 10-0 2=122 18 (LC C 1),									
FORCES	(lb) - Maximum Con	npression/Maximum										
TOP CHORD	1-18=-39/0, 9-10=0/ 3-4=-6/0, 4-5=-6/0, 4 7-8=-6/0, 8-9=-6/0	/0, 1-2=-6/0, 2-3=-6/0 5-6=-6/0, 6-7=-6/0,	0,									
BOT CHORD WEBS	17-18=0/6, 16-17=0 13-14=0/6, 12-13=0 2-17=-105/0, 3-16=- 5-14=-107/0, 6-13=- 8-11=-80/0	/6, 15-16=0/6, 14-15 /6, 11-12=0/6, 10-11 107/0, 4-15=-106/0, 106/0, 7-12=-111/0,	5=0/6, 1=0/6							- III	WITH CA	ROUM
NOTES 1) All plates : indicated. 2) Gable req 3) Truss to b braced ag 4) Gable stud 5) Recommen 10-00-00 (0.131" X at their ou 6) CAUTION	are 1.5x3 (  ) MT20 ur uires continuous botto e fully sheathed from a ainst lateral movemen ds spaced at 1-4-0 oc. md 2x6 strongbacks, c oc and fastened to ead 3") nails. Strongbacks ter ends or restrained I, Do not erect truss ba	nless otherwise m chord bearing. one face or securely t (i.e. diagonal web) on edge, spaced at ch truss with 3-10d s to be attached to w by other means. ickwards.	, valls						Comments.		SEA 0363	L 22 L L BERTINI

May 28,2025

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Job		Ti	russ		Truss Ty	/pe			Qty	Ply	s	tonehave	en Rev 2	-EL-6,7	'-Floor			
		2	F9A		Floor				1	1	J	ob Refere	ence (opt	tional)		17	3795634	
Structural, L	LC, Thurmor	nt, MD - 217	88,				Run: 25.20 ID:11?wFX	) S May 13 7hOeLmEu	3 2025 P JoJHI?NI	rint: 25.2.0 n9v8MU5-F	S May 13 RfC?PsB7	3 2025 MiT 0Ha3NSal	ek Industr PanL8w3u	ies, Inc. ITXbGK	Wed May 28 WrCDoi7J4z	11:18:20 JC?f	Page	e: 1
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				4 5-2									2.4		22			
	3x3 II /	×4 –	3x3 =	1.5x5	3x3 =	3×3 -	3x3 =	1 5v3 "	3x4 =		4x6 =	3x3	384 =	1.5x3	372 =		3x3 =	
	1 2	2	3	4	5	6	7	8	9	3x6 FP 10	, 11	12	13	14	15		16	3x3 II 17
5-0	30				*	1												•
<u>-</u>						•				×.								
	3x6 =	29 4x	4 -	28 3x6=	27 3×	26 3 -	25 1 5x3 #	24	23 3x6 F	22 P		⊠ 21		20 3x6-	_	19 3x3 =		⊠ 3×6 -
		-74		0.00	0.0	1.5x3 u	1.575	3x6 =	0.01	4x6 =		4x8 =		570-	-	0.00 -		5.0 -
						10	-9-12											
						9-9-12												
			<u>8-9-</u> 8-9-	12 12					- <u>17-</u> 6-8	<u>6-0</u> 3-4					<u>25-0-4</u> 7-6-4			_
						1-0-0												
						1	-0-0	25.0.4										
Scale = 1:4	1.1							23-0-4										_
Loading		(ps	sf) Spa	cing	2-0-0		CSI		D	EFL	in	(loc)	l/defl	L/d	PLATES	GRI	P	
TCLL TCDL		40 10	.0 Plate .0 Lum	e Grip DOL ber DOL	1.00 1.00		TC BC	0 0	.72 V .81 V	'ert(LL) 'ert(CT)	-0.25 -0.34	26-27 26-27	>828 >605	480 360	MT20	244,	/190	
BCLL BCDL		0 5	.0 Rep .0 Cod	Stress Incr e	YES IRC2021	/TPI2014	WB Matrix-S	0	.60 H	lorz(CT)	0.04	21	n/a	n/a	Weiaht: 13	01bFT=	= 20%F. <sup>-</sup>	12%E
LUMBER				-	2)	Refer to girde	er(s) for trus	s to truss	connec	tions.				ļ	- 5		,	
TOP CHOP	RD 2x4 S (flat)	SP No.2(fla	at) *Except*	10-1:2x4 SP 5	SS 3)	One H2.5A S recommende	impson Stro d to connec	ong-Tie co t truss to l	onnecto bearing	rs walls due	e to							
BOT CHO	RD 2x4 S (flat)	SP SS(flat)	*Except* 2	3-18:2x4 SP N	0.2	UPLIFT at jt( does not con	s) 18. This c sider lateral	onnectior forces.	is for u	uplift only	and							
WEBS BRACING	2x4 S	SP No.3(fla	at)		4)	Recommend 10-00-00 oc a	2x6 strongb and fastened	acks, on d to each	edge, s truss w	paced at ith 3-10d								
TOP CHO	RD Struc	tural wood	sheathing	directly applie	d or	(0.131" X 3") at their outer	nails. Stron ends or rest	igbacks to trained by	be atta other r	ached to v neans.	walls							
BOT CHO	RD Rigid	ceiling dir	ectly applie	ed or 6-0-0 oc	5) <b>LO</b>	CAUTION, D	o not erect t Standard	russ back	wards.									
REACTION	NS (size)	18=0 Mod	)-3-8, 21=0-	-3-8, 30=		(-)												
	Max U	plift 18=-	162 (LC 3)	24 4702 (1 C 4	`													
	Max G	30=8	38 (LC 4), 38 (LC 3)	21=1782 (LC 1	),													
FORCES	(lb) - Tensi	Maximum	Compress	on/Maximum														
TOP CHO	RD 1-30= 2-3=-	=-39/0, 17- ·1715/0, 3-	18=-37/0, 4 4=-2735/0,	1-2=0/0, 4-5=-2735/0,														
	5-6=- 8-9=-	3009/0, 6- 1915/0, 9-	7=-2803/0, 11=-358/56	7-8=-1915/0, 6, 11-12=0/205	9,													
	12-13 14-15	3=0/2057, 5=-113/118	13-14=-113 34, 15-16=-	3/1184, 379/505, 16-17	7=0/0										min	inin,	1.	
BOT CHO	RD 29-30 26-27	0=0/1039, 7=0/2803,	28-29=0/23 25-26=0/28	353, 27-28=0/3 303, 24-25=0/2	049, 803,									11	TH	CARC	111	
	22-24 19-20	1=0/1273, )=-810/382	21-22=-736 2, 18-19=-2	5/0, 20-21=-16 <sup>-</sup> 36/341	11/0,								1	22	OFE	STA	NR	1
WEBS	6-26=-387/0, 7-25=0/312, 12-21=-105/0, 2-30=-1303/0, 2-29=0/880, 3-29=-831/0,								1									
	3-28=0/488, 4-28=-41/0, 5-28=-401/0, 5-27=-174/179, 6-27=-82/494, SEAL							1	1									
	11-21=-1665/0, 11-22=0/1261, 9-22=-1204/0, 9-24=0/832, 16-18=-427/296, 16-19=-350/50,														. 03	0322	1	H.
	15-19=-4/39/, 15-20=-652/0, 14-20=-100/0, 13-20=0/844, 13-21=-842/0, 8-24=-61/167,								111									
NOTES	7-24=	=-1207/0												11	PIC A	INE .	EP	
1) Unbala	anced floor sign.	live loads	have been	considered for											Minin.	GIL	1111	
	5															May 28,	2025	
<b>∧</b> w	/ARNING - Vei	rify design pa	rameters and F	READ NOTES ON 1	HIS AND INC		FERENCE PAG	GE MII-7473	rev. 1/2/2	023 BEFOR	E USE.				ENG	INEERING BY		
Des a tru built	ign valid for u uss system. Be	se only with f efore use, the Bracing indice	ViTek® conne e building desi	ctors. This design gner must verify th	is based only e applicability	upon parameters of design parameters	shown, and is for ters and proper	or an individ ly incorpora	ual buildii te this de	ng compone sign into the	ent, not overall ent bracin				TR	EN	CO	

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	Stonehave	en Rev 2-EL-			
		2F11/	4	Floor			7		1	Job Refer	ence (optiona	al)	173795635	
Structural, LLC,	Thurmont, MD -	21788,			Run: 25.20	) S May 1	3 2025 H?2n	5 Print: 2 EBOb7	5.2.0 S May	13 2025 MiT	ek Industries, I SaPant 8w3ult	nc. Wed May 28 1	11:18:20 Page: 1	
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		3x3 II	4x4 =	3x3 = 3x3 = 3x3 =	3х	3 =	1.	.5x3 II	3x3 =	1.5x3 <b>u</b>	3x3 =	4x4 =	ЗхЗ II	
	Ŧ	1	2 *•	3 4 5	4 5 6 7 8 9 10 11							12	13	
	1-2-0	23												
		3x6 =	22	21 2	0 19 1	8	1	17 2v2 -		16	15		Ŕ	
			4x4 =	3X0 =	3v8 FD			383 =		3x6 =	434	-	3x6 =	
				1.	5x3 = 1.5	БхЗ ш								
					3x3 =									
						10	)-9-12	2						
		1		8-9-12		9-9-12		1		1	9-0-4		1	
				8-9-12						8	-2-8			
						1-0-0								
						19-0-4	1-0-0							
Scale = 1:40												-	1	
Loading TCLL		(psf) 40.0	Spacing Plate Grip DOL	1-7-3 1.00	CSI TC	C	0.57	DEFL Vert(L	L) -0.:	in (loc) 31 18	l/defl L/	MT20HS	GRIP 187/143	
TCDL		10.0	Lumber DOL	1.00	BC	C	0.94	Vert(C	.0.4 (T) -0.4	43 17-18	>525 36	0 MT20	244/190	
BCDL		5.0	Code	IRC2021/TPI2014	Matrix-S		.45	11012(			11/a 11/a	Weight: 97 I	lb FT = 20%F, 12%E	
	2v4 SD No 2	(flot)		LOAD CASE(S)	Standard									
BOT CHORD	2x4 SP No.2 2x4 SP No.2	(flat) *E	xcept* 20-14:2x4 SP \$	SS										
WEBS	(flat) 2x4 SP No.3	(flat)												
BRACING TOP CHORD	Structural w	ood she	athing directly applied	lor										
BOT CHORD	6-0-0 oc pur Rigid ceiling	lins, exe directly	cept end verticals. applied or 10-0-0 oc											
	bracing, Ex	cept: cing: 19	-21											
REACTIONS	(size) 14	4=0-5-8,	23= Mechanical											
FORCES	(lb) - Maxim	4=825 (L um Com	pression/Maximum											
TOP CHORD	Tension 1-23=-32/0,	13-14=-	31/0, 1-2=0/0,											
	2-3=-1759/0 5-6=-3573/0 9-10=-2964/	, 3-4=-2 , 6-7=-3 0, 10-11	965/0, 4-5=-2965/0, 675/0, 7-9=-3675/0, =-2964/0, 11-12=-175	59/0,										
BOT CHORD	12-13=0/0 22-23=0/103 18-19=0/367	34, 21-22 75, 17-18	2=0/2456, 19-21=0/33 8=0/3675, 16-17=0/33	375, 362,										
WEBS	6-18=-201/1	60, 7-17	/=-219/0, 2-23=-1298/	/0,								minin		
	2-22=0/34-3, $3-22=-500/0$ , $3-21=0/64-9$ , 4-21=-59/0, $5-21=-523/0$ , $5-19=0/405$ , 6.40=472/65=42-34, $4-209/405$ , $6-10/42$									""PTH C	ARO			
	6-19=-447/153, 12-14=-1298/0, 12-15=0/943, 11-15=-905/0, 11-16=0/650, 10-16=-76/0,							STON						
NOTES	9-16=-509/0, 9-17=0/623													
1) Unbalance this design	d floor live loa	ids have	been considered for								E S	SE	EAL	
<ol> <li>All plates a</li> <li>The Fabric</li> </ol>	are MT20 plate	es unles	s otherwise indicated.								11	: 036	0322	
<ul> <li>4) Refer to gi</li> <li>5) Recommendation</li> </ul>	rder(s) for trus	is to trus	s connections.								in the	A. En	- Rix 3	
10-00-00 c	and fastene	d to eac	th truss with 3-10d								1	BIC	NELERIN	
at their out	(0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.													

May 28,2025

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Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor		
	2FGE2A	Floor Supported Gable	1	1	Job Reference (optional)	173795636	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:23 ID:DIA4ZIFbo1kC2a8QQ6izkTy8MTw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



# Scale = 1:31.9

Loading TCLL TCDL BCLL BCDL		(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 YES IRC20	21/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.07 0.02 0.03	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 18	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 81 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structura	o.2(flat) o.2(flat) o.3(flat) o.3(flat) I wood shea	athing directly applie	ed or	NOTES 1) All plates are indicated. 2) Gable require 3) Truss to be fu braced again 4) Gable studs	1.5x3 (  ) MT20 u es continuous botto ully sheathed from st lateral movemen spaced at 1-4-0 oc	inless of om chor one fac nt (i.e. d	therwise d bearing. e or securely iagonal web).							
BOT CHORD	6-0-0 oc   Rigid ceil bracing.	ourlins, exo ing directly	cept end verticals. applied or 10-0-0 oc	c (	5) Recommend 10-00-00 oc (0.131" X 3")	2x6 strongbacks, and fastened to ea nails. Strongback	on edge ich truss is to be	e, spaced at s with 3-10d attached to wa	alls						
REACTIONS	IND       Rigid ceiling directly applied or 10-0-0 oc bracing.       Is to be obtained to wall when the trade of the second seco														
FORCES	(lb) - Max Tension	imum Com	pression/Maximum										WHILL CA	Poll	
TOP CHORD	Tension RD 1-33=-47/0, 17-18=0/8, 1-2=-12/0, 2-3=-12/0, 3-4=-12/0, 4-5=-12/0, 5-6=-12/0, 6-7=-12/0, 7-8=-12/0, 8-10=-12/0, 10-11=-12/0, 11-12=-12/0, 12-13=-12/0, 13-14=-12/0, 14-15=-12/0, 15-16=-12/0, 16-17=-2/0									-					
BOT CHORD	32-33=0/ <sup>-</sup> 29-30=0/ <sup>-</sup> 26-27=0/ <sup>-</sup> 22-23=0/ <sup>-</sup> 19-20=0/ <sup>-</sup>	12, 31-32=0 12, 28-29=0 12, 25-26=0 12, 21-22=0 12, 18-19=0	0/12, 30-31=0/12, 0/12, 27-28=0/12, 0/12, 23-25=0/12, 0/12, 20-21=0/12, 0/12								tititite.		SEA 0363	L 22	
WEBS	2-32=-10 5-29=-10 8-26=-10 12-22=-10 15-19=-1	2/0, 3-31=- <sup>-</sup> 7/0, 6-28=- <sup>-</sup> 7/0, 10-25= 06/0, 13-21 14/0, 16-18	108/0, 4-30=-106/0, 107/0, 7-27=-107/0, -107/0, 11-23=-107/ =-107/0, 14-20=-105 =-75/0	/0, 5/0,									A. G May	28,2025	

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Job		Truss		Truss Type			Q	ty	Ply	Stoneh	aven Re	ev 2-EL-6,	7-Floor		
		2F1A		Floor			3		1	Job Re	ference	(optional)		I	73795637
Structural, LLC,	Thurmont, MD	- 21788,				Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 Page: 1								Page: 1	
							vqcqpO100	en_xyow	01-100113	DI OI IQUIC	gi qileon	Junxbolk	WIOD0173423C	,	
		1-3-0			0-1	1-8 2-0-0		8							
				1.5×2 "							1 5 2				
	3)	кЗ∎ 4\	(6 = 4x4 =	1.5x5 II 3x3 =		3x3 =	1.5x3 u	3x3 =	3x6 FP	3x3 =	1.585 1	4x4 =	4x6-	- 3x3	
	1	2	3	4 5		6	7	8	9	10	11	12	13	14	-
	2-0					1						<u>لم</u>			
	<u>-</u>	4				•									
	3	3x6 =	24 4x6=	23 3x6 =	22 3x3=	21	20 19 3x3=	)	18 3x3=		17 3x6 =		16 4x6=	⊠ 3x6 =	
					0.10 -	1.5x3 🛛	MT18HS 3	8x16 FP	0,10 -						
							1.5	x3 =							
						10-1	1-8								
	1		8-11	-8		9-11-8	1			2	-8-0			1	
	F		8-11	-8			-			10	)-8-8				
						1-0-0	0								
	F					1-0	-0 <u>1-8-0</u>								
Scale = 1:43.1															
Loading		(psf) 40.0	Spacing Plate Grip DOI	1-9-0 1.00		CSI TC	0.80	DEFL Vert()	_) _0	in (lo	c) I/de	efl L/d	PLATES	<b>G</b> F 24	4/190
TCDL		10.0	Lumber DOL	1.00		BC	0.69	Vert(	CT) -0	.69 18-2	20 >37	70 360	MT20	24	4/190
BCDL		0.0 5.0	Rep Stress Incr Code	IRC2021/TPI201	4	WB Matrix-S	0.59	Horz(	CT) 0	.09	15 n	/a n/a	Weight: 11	DIb FT	= 20%F, 12%E
TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) All plates a 3) The Fabric 4) Refer to gi 5) Required 2 oc and fas' nails. Stro ends or res	TL         TO         Rep Stress for VES         VB         Cost         Horz(CT)         Door         Dist         Cost														
Design v a truss sy	ING - Verify designation of the second secon	gn paramete with MiTek@ se, the buildi	rs and READ NOTES ON 1 3 connectors. This design in ing designer must verify th	HIS AND INCLUDED M s based only upon para e applicability of design	IITEK REI ameters s paramete	FERENCE PAGE I hown, and is for a ers and properly in	MII-7473 rev. n individual b ncorporate th	1/2/2023 E uilding co is design i	BEFORE USE mponent, not nto the overa	E. t all					CO

Design valid for use only with MTek® 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	Stonehaven Rev 2-EL-6,7-Floor	
	2F9B	Floor	4	1	Job Reference (optional)	173795638



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818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor		
	2F16A	Floor	1	1	Job Reference (optional)	173795639	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:21

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	28=751 (LC 3)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-28=-38/0, 15-16=-55/0, 1-2=-2/0,
	2-3=-1509/0, 3-4=-2320/0, 4-5=-2366/0,
	5-6=-2366/0, 6-7=-1789/0, 7-9=-495/40,
	9-10=0/1681, 10-11=0/1681, 11-12=-213/805,
	12-13=-445/438, 13-14=-445/438, 14-15=0/0
BOT CHORD	27-28=0/925, 26-27=0/2071, 25-26=0/2481,
	24-25=0/2366, 23-24=0/2366, 21-23=0/1275,
	20-21=-530/0, 19-20=-1131/0,
	18-19=-438/445, 17-18=-438/445,
	16-17=-171/330
WEBS	5-25=-115/125, 6-24=0/263, 10-20=-104/0,
	2-28=-1158/0, 2-27=0/760, 3-27=-731/0,
	3-26=0/324, 4-26=-223/0, 4-25=-370/161,
	9-20=-1504/0, 9-21=0/1080, 7-21=-1031/0,
	7-23=0/691, 6-23=-829/0, 11-20=-953/0,
	14-16=-413/215, 11-19=0/582,
	14-17=-341/147, 12-19=-608/0,
	12-18=-27/157, 13-17=-44/140

NOTES

Loading

TCLL

TCDI

BCLL

BCDL

LUMBER

WEBS

OTHERS

BRACING

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

2) All plates are 3x3 (=) MT20 unless otherwise indicated.



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Edenton, NC 27932
Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F24A	Floor	1	1	Job Reference (optional)	173795640		



BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:									
	6-0-0 oc bracing: 23-24,22-23.									
REACTIONS	(size) 15=0-5-8, 23=0-7-0									
	Max Grav 15=791 (LC 4), 23=1157 (LC 1)									
FORCES	(lb) - Maximum Compression/Maximum Tension									
TOP CHORD	1-24=-155/0, 14-15=-33/0, 1-2=0/0,									
	2-3=0/401, 3-4=0/401, 4-5=-1401/0,									
	5-6=-2899/0, 6-7=-2899/0, 7-8=-2899/0,									
	8-10=-3242/0, 10-11=-2739/0, 11-12=-2739/0,									
	12-13=-1662/0, 13-14=0/0									
BOT CHORD	23-24=-73/0, 22-23=-117/726, 21-22=0/2135,									
	20-21=0/2899, 18-20=0/3278, 17-18=0/3099,									
	16-17=0/2302, 15-16=0/988									
WEBS	3-23=-98/0, 6-21=-473/0, 7-20=-53/217,									
	2-23=-415/0, 2-24=0/174, 4-23=-1272/0,									
	4-22=0/888, 5-22=-969/0, 5-21=0/1104,									
	13-15=-1240/0, 13-16=0/877, 12-16=-833/0,									
	12-17=0/558, 11-17=-63/0, 10-17=-460/0,									
	10-18=0/194, 8-18=-137/56, 8-20=-642/65									

# NOTES

Scale = 1:38.3

Loading

TCLL

TCDL

BCLL

BCDL

WFBS BRACING

LUMBER

TOP CHORD

BOT CHORD

TOP CHORD

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

2) All plates are MT20 plates unless otherwise indicated. 3) Load case(s) 1 has/have been modified. Building

designer must review loads to verify that they are correct for the intended use of this truss.



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Vert: 15-24=-8, 1-14=-83 Concentrated Loads (lb) Vert: 1=-152

> 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor			
	2F26A	Floor	1	1	Job Reference (optional)	173795641		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:22 Page: 1 ID:ehsevcSoehPMAXWyOkEbQdzvFV4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



-	-	
		17-11-0

Scale = 1:43.1

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-8-0 1.00 1.00 NO IRC202	21/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.83 0.99 0.51	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.34 -0.49 0.06	(loc) 17-18 17-18 13	l/defl >616 >431 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 90 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP SS(flat) *Exc (flat) 2x4 SP SS(flat) *Exc (flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she	ept* 7-12:2x4 SP No ept* 16-13:2x4 SP N	5 5.2 10.2 6 L 1	) Recommend 10-00-00 oc (0.131" X 3") at their outer ) CAUTION, D OAD CASE(S) ) Dead + Floo Plate Increa Uniform Loa	2x6 strongbacks, c and fastened to ea nails. Strongbacks ends or restrained o not erect truss ba Standard or Live (balanced): ise=1.00 ads (lb/ft)	on edge ch truss s to be by othe ackward Lumbe	e, spaced at s with 3-10d attached to w er means. ds. r Increase=1.	valls 00,					
BOT CHORD	6-0-0 oc purlins, exe Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc	;	Vert: 13-2	21=-8, 1-5=-83, 5-2	23=-91,	12-23=-83						
REACTIONS	(size) 13=0-5-8, Max Grav 13=824 (L	21=0-7-0 .C 1). 21=818 (LC 1)	1										
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD	1-21=-27/3, 12-13=-3 2-3=-1704/0, 3-4=-3 5-6=-3180/0, 6-8=-3 9-10=-2901/0 10-11	33/0, 1-2=-2/0, 180/0, 4-5=-3180/0, 475/0, 8-9=-2901/0, =-1743/0 11-12=0/0	)										
BOT CHORD	20-21=0/1025, 19-20 17-18=0/3544, 15-17	)=0/2428, 18-19=0/3 7=0/3302, 14-15=0/2	, 180, 2422,									mm	1111.
WEBS	4-19=-461/0, 5-18=-0 2-20=0/883, 3-20=-9 11-13=-1293/0, 11-1 10-15=0/612, 9-15=- 8-17=0/233, 6-17=-1	61/202, 2-21=-1285/ 143/0, 3-19=0/1069, 4=0/927, 10-14=-88 61/0, 8-15=-512/0, 79/2, 6-18=-605/83	'0, 4/0,							4	2	ORTH CA	ROUT
NOTES	2 0.200, 0 11-1									-		054	1 1 2
<ol> <li>Unbalance this design</li> <li>All plates a</li> <li>The Fabric</li> </ol>	d floor live loads have are MT20 plates unless ation Tolerance at joir	been considered for s otherwise indicated t $16 = 12\%$	r 1.							11111VV		SEA 0363	L 111
	allori i olcranoc al juli	1. 10 = 1270								-		1	

4) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

100000 May 28,2025 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/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) 818 Soundside Road Edenton, NC 27932

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

G

Job	Truss	Truss Type		Ply	Stonehaven Rev 2-EL-6,7-Floor				
	2F6A	Floor	1	1	Job Reference (optional)	173795647			

Structural LLC Thurmont MD - 21788

Loading

TCLL

TCDL

BCLL

BCDL

WEBS OTHERS

BRACING

FORCES

WEBS

NOTES

1)

2)

LUMBER

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:19 Page: 1 ID:Jtvz6U\_rutuFPG4GwPjTIBzewVj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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Edenton, NC 27932



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	170705040		
	1F4A	Floor	1	1	Job Reference (optional)			
Structural, LLC, Thurmont, MD -	Run: 25.20 S May 13	2025 Print:	25.2.0 S May	7 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14	Page: 1			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:14 ID:HxEaX6xiVZ6c73kSTFIXIyzewg6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



NOTES

WEBS

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

FORCES

LUMBER

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

12-16=0/141, 12-15=-558/0, 13-15=0/605

2) All plates are 3x3 (=) MT20 unless otherwise indicated.

3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 23.



G mmm

036322

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty Ply Stonehaven Rev 2-		Stonehaven Rev 2-EL-6,7-Floor	loor				
	1F29	Floor	1	1	Job Reference (optional)	173795650				

 Run: 25.20 S
 May 13 2025 Print: 25.2.0 S
 May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:17
 Page: 1

 ID:\_UIIUtYKjHZ1Lw1hMES6JozCOvI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f
 Page: 1





Scale = 1:23.1

				-									
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.09	<b>DEFL</b> Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	0.00	4-5	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%F, 12%E	
L <b>UMBER</b> TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)												
BRACING TOP CHORD BOT CHORD	<ul> <li>D Structural wood sheathing directly applied or 2-3-0 oc purlins, except end verticals.</li> <li>D Rigid ceiling directly applied or 10-0-0 oc</li> </ul>												

	bracing.	
REACTIONS	(size)	4=0-3-0, 5=0-5-8
	Max Grav	4=110 (LC 1), 5=110 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-5=-57/0	, 3-4=-4/0, 1-2=0/0, 2-3=0/0
BOT CHORD	4-5=0/57	
WEBS	2-5=-72/0	, 2-4=-111/0

NOTES

 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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A MiTek Aff 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor	
	1F27AGE	Floor Supported Gable	1	1	Job Reference (optional)	173795651

### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:17 ID:PJATjNt01pMW\_qvx2SHTuzE\_53-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:26.2

Loading       (pd)       (pd)       Pate Ging DOL (1, 00)       1.00       CSI (TC)       0.08       Vert(L)       n in (loo)       (loo)       PLATES (0, 00)       0.04         CDL       0.00       Aumber DOL (1, 00)       1.00       BCL (1, 00)       0.00       Vert(L)       n /a       -       n/a       6.9         CDL       5.0       Code       Vert(L)       n /a       -       n/a       6.9         CDL       5.0       Code       Vert(L)       n /a       -       n/a       6.9         CDCL       5.0       Code       Vert(L)       n /a       -       n/a       6.9         CDCL       5.0       Code       Vert(L)       n /a       -       n/a       6.9         Vert(L)       5.3       Code       Vert(L)       n/a       n/														
TCDL       10.0       Lumber DOL       1.00       BC       0.03       Ver(TL)       n/a       n/a       999         BCDL       5.0       Code       VES       WB       0.03       Horiz(TL)       0.00       10       n/a       999         BCDL       5.0       Code       NE       Weight: 44 lb       FT = 20%F, 12%E         LUMBER       LOAD CASE(S)       Standard       Standard       Weight: 44 lb       FT = 20%F, 12%E         UMWES       2x4 SP No.3(Ital)       LOAD CASE(S)       Standard       Standard       Standard         DTO HORD       Structural wood sheathing directly applied or 60-0 cp utinis, except end verticals.       Gamma Care       Standard       Standard         BTOP HORD       Structural wood sheathing directly applied or 60-0 cp utinis, except end verticals.       Gamma Care       Standard       Standard         REACTION       (size)       11=9-11-8,	Lo: TC	ading	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	<b>CSI</b> TC 0.0	08	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
BCLL         0.0         Rep Stress Incr         YES         WB         0.03         Horiz(TL)         0.00         10         n/a         Merget           LUMMER         LCAD CASE(S)         Standard         Standard         Weight: 44 lb         FT = 20%F, 12%E           LUMMER         LOAD CASE(S)         Standard         Standard         Standard           DOT CHORD         2x4 SP No.3(tlts)         -	тс	DL	10.0	Lumber DOL	1.00	BC 0.0	02	Vert(TL)	n/a	-	n/a	999		
BCDL         5.0         Code         IRC2021/TPI2014         Matrix-R         Weight: 44 lb         FT = 20%F; 12%E           LUMBER         LOAD CASE(S)         Standard           DOP CHORD         2x4 SP No.2(fla)         UADA CASE(S)         Standard           BOTD CHORD         2x4 SP No.3(fla)         UADA CASE(S)         Standard           BOTD CHORD         Structural wood sheathing directly applied or 60-00 cpurine, except end verticals.         Dot CHORD         Structural wood sheathing directly applied or 60-00 cpurine, except end verticals.         BOT CHORD         Structural wood sheathing directly applied or 60-00 cpurine, except end verticals.         BOT CHORD         Structural wood sheathing directly applied or 60-00 cpurine, except end verticals.         BOT CHORD         Standard           BOT CHORD Name         13a9-11-8, 14a-91-14, 15a-91-11-8, 15a9-11-8, 17a9-11-8, 15a9-11-0, 15a-4170, 15a-4770, 15a-4770, 12a-11-0, 15a-4170, 15a-4770, 63-6770, 67-6770, 7-8-770, 8-9-770, 5-68-770, 67-8-770, 7-8-4-770, 4-58-770, 6-78-770, 7-8-4-770, 4-58-770, 6-78-770, 7-4-4-730, 4-15-470, 7-15-1320, 8-11a-1200, 7-112-4707, 10-11-077         SEAL	BC	LL	0.0	Rep Stress Incr	YES	WB 0.0	03	Horiz(TL)	0.00	10	n/a	n/a		
LUMBER         LOAD CASE(S)         Standard           TOP CHOND         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)           OTE CHOND         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)           OTE CHOND         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)           BRACIMO         Structural wood sheathing directly applied or Io-0 oc bracing:         2x4 SP No.2(IIII)         2x4 SP No.2(IIII)           BRACIMON         Top CHOND         10e-11-18, 11=0-11-8, 15=-9-11-1, 12=-70, 12=-70, 12=-70, 12=-70, 12=-70, 12=-70, 12=-70, 12=-70, 12=-70, 15=-70, 12=-70, 15=-70, 12=-70, 15=-70, 12=-70, 14=-70, 15=-70, 15=-70, 14=-70, 15=-70, 14=-70, 15=-70, 14=-70, 15=-70	BC	DL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 44 lb	FT = 20%F, 12%E
TOP CHORD 2: X4 SP No.2(flat) BOT CHORD 2: X4 SP No.3(flat) OTHERS 2: X4 SP NO.3(fla	LU	MBER			LOAD CASE(S)	Standard								
BOT CHORD       2:44 SP No.2(flat)         WEBS       2:44 SP No.3(flat)         DTHERS       2:44 SP No.3(flat)         BRACINO       Structural wood sheathing directly applied or 6:0-0 oc putines, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 6:0-0 oc putines, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10:0-0 oc bracing.         REACTIONS       (size)       10:9-11-8, 11-9-11-8, 15-9-11-8, 16:9-01-18, 14-9-11-8, 15-9-11-8, 16:9-01-18, 14-9-11-8, 15-9-11-8, 16:9-01-18, 14-9-11-8, 15-9-11-8, 16:9-01-18, 14-9-11-8, 15-9-11-8, 16:9-01-18, 14-9, 14-14 (LC 1), 14:14-17 (LC 1), 17-147 (LC 1), 18:53 (LC 1)       12:153 (LC 1), 11-147 (LC 1), 18:53 (LC 1), 17-147 (LC 1), 18:53 (LC 1), 17-147 (LC 1), 18:53 (LC 1), 17-147 (LC 1), 18:4-70, 4:570, 5:5770, 6:7-370, 7:4770, 5:6770, 6:7-370, 7:4770, 5:6770, 6:7-370, 7:4-15-077, 14:15-077, 13:14-07, 12:1-307, 7:14:12:07, 10:1-1077         VEESS       2:17:13:20, 7:12:-13:90, 8:11:=1:020       SEAL 03:03:22         NOTES       10       Maximum Compression/Maximum 1:11:10:20       SEAL 03:03:22         NOTES       2:       Gable requires continuous bottom chord bearing, 3:       SEAL 03:03:22         10       A:11:=-11:20       SEAL 03:03:22       03:03:22         11:=000       SEAL 03:03:22       03:03:22         11:=000       SEAL 03:03:22       03:03:22         11:=000       SEAL 03:03:22	то	P CHORD	2x4 SP No.2(flat)											
WEBS       224 SP No.3(ital)         GRACINO       TOP CHORD         Structural wood sheathing directly applied or 6-0-0 oc purifies, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 10-0-0 oc bracing.         REACTIONS       (size)         10-9-11-8, 11-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 12-9-11-8, 13-9-11-8, 17-9-11-8, 18-9-11-8, 13-9-11-8, 17-9-11-8, 18-9-11-8, 14-147 (LC 1), 15-147 (LC 1), 14-147 (LC 1), 15-147 (LC 1), 14-147 (LC 1), 15-147 (LC 1), 18-53 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Torp CHORD       1-18490, 9-10-270, 2-370, 3-4-70, 4-9-70, 5-6-70, 6-77-70, 7-8-70, 8-9-70, 8-9-70, 7-70, 7-8-70, 8-9-70, 8-9-70, 8-9-70, 7-70, 7-8-70, 8-9-70, 8-9-70, 8-9-70, 7-70, 7-9-70, 7-9-70, 7-70, 7-70, 7-70, 7-70, 7-70, 7-9-70, 7-9-70, 8-9-70,	BO	T CHORD	2x4 SP No.2(flat)											
OTHERS       2X4 SP No.3(IIII)         BRACINO       Structural wood sheathing directly applied or 6-0-0 oc putines, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 10-0-0 oc breacing.         REACTIONS       (size)       10-e-11-8, 11-9-11-8, 15-9-11-8, 16-9-11-8, 15-9-11-8, 15-9-11-8, 16-9-11-8, 17-9-11-8, 15-9-11-8, 16-9-11-8, 17-9-11-8, 15-9-11-8, 16-9-11-8, 17-9-11-8, 15-9-11-8, 18-9-11-8, 17-9-11-8, 15-9-11-8, 18-9-11-10, 12-145 (LC 1), 11-14-147 (LC 1), 15-147 (LC 1), 11-14-147 (LC 1), 15-147 (LC 1), 11-14-147 (LC 1), 12-147 (LC 1), 13-6-33 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-18-490, 9-10-11/0, 1-2-7/0, 2-3-7/0, 3-4-7/0, 4-5-7/0, 5-6-7/0, 6-7-7/0, 3-4-7/0, 4-5-7/0, 5-6-7/0, 6-7-7/0, 3-4-7/0, 4-5-7/0, 5-6-7/0, 6-7-7/0, 3-4-7/0, 4-5-7/0, 5-7-7/0, 7-14-130/0, 5-14-07/1, 21-30/7, 11-2-07/7, 10-11-007         WEBS       2-17-132/0, 3-16-134/0, 4-15-133/0, 5-14-132/0, 3-16-134/0, 4-15-133/0, 5-14-1-102/0         NOTES       1)       All plates are 1.5x3 ((1) MT20 unless otherwise indicated.         2)       Cable requires continuous bottom chord bearing.         3)       Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).         4)       Gable studs spaced at 1-4-0 oc.         5)       Recommend (i.e. diagonal web).         4)       Cable studs spaced at 1-4-0 do c.         5)       Recomment (i.e. diagonal web).         4) </td <td>WE</td> <td>EBS</td> <td>2x4 SP No.3(flat)</td> <td></td>	WE	EBS	2x4 SP No.3(flat)											
BRACINO         TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purifies, except end verticals.         BOT CHORD       Structural wood sheathing directly applied or 0-0-0 oc bracing.         REACTIONS       (size)         10-0-11-8, 11-9-11-8, 12-9-11-8, 13-9-11-8, 14-9-11-8, 15-9-11-8, 15-9-11-8, 17-9-11-8, 15-9-11-8, 15-9-11-8, 17-9-11-8, 18-9-11-8, 15-9-11-8, 17-9-11-8, 18-9-11-8, 15-9-11-8, 17-9-11-8, 18-9-11-8, 15-9-11-8, 17-9-11-8, 18-9-11-8, 15-9-11-8, 16-9-11-9, 12-9-11-8, 12-155 (LC 1), 13-145 (LC 1), 14-147 (LC 1), 17-147 (LC 1), 18-53 (LC 1), 17-8-70, 34-70, 5-6-70, 5-70, 3-4-70, 34-70, 5-6-70, 5-7-70, 3-4-70, 34-70, 5-70, 5-70, 10-14-07, 12-13-07, 11-12-07, 10-11-07         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1.18-400, 9-10-1(0, 1, 2-70, 2-3-710, 3-4-70, 34-70, 5-6-710, 5-7-710, 13-4-70, 12-30-7, 11-2-07, 10-11-07         BOT CHORD       1.18-400, 12-17, 10-12-17, 10-11-07         WEBS       2.17-1320, 3.16-1340, 4-15-1330, 8-11-1020         WOTES       1.4-102, 10-7, 12-1390, 8-11-1020         NOTES       1.41-1020         Sealar       SEAL 036322         1) All plates are 1.5x3 (II) MT20 unless otherwise indicated.       SEAL 036322         1) Gable studs spaced at 1-4-0 co.       SEAL 036322         1) Restant lateral movement (i.e. diagonal web).       4. Guillettion occ.         4) Cable studs spaced at 1-4-0 co.       SEAL 036322         5) Recommend 2x6 strongbacks	01	HERS	2x4 SP No.3(flat)											
IOP CHORD       Structural wood sheating directly applied or 6-0 oc purifies, except end verticals.         BOT CHORD       Rigid ceiling directly applied or 10-00 oc bracing.         REACTIONS       (size)         109-51-18, 11=9-11-8, 12=9-11-8, 16=9-11-8, 17=9-11-8, 15=9-11-8, 16=9-11-8, 17=9-11-8, 16=9-11-8, 16=9-11-8, 17=9-11-8, 16=9-11-8, 16=9-11-8, 17=9-11-4, 16=9-11-8, 16=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 16=33 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-18=-490, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 6-7=-7/0, 6-7=-7/0, r-8=-7/0, 8-9=-7/0         BOT CHORD       1-18=-490, 6-13=-1320, 7-12=-1390, 8-11=-102/0         NOTES       2.17=-1320, 3-16=-134/0, 4-15=-133/0, 8-11=-102/0         NOTES       3.1         100 ChORD       6-13=-132/0, 7-12=-139/0, 8-11=-102/0         Notes       3.1         20 Cable requires continuous botom chord bearing.         31 Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).         40 Cable studs spaced at 1-4-0 oc.         50 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 cand fastened to each truss with 3-10d (0.131" X37) rahits. Strongbacks to be attached to walls at their outer ends or restrained by other means.	BR													
b-0-0 dc pullins, except end ventoals.         BOC CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTIONS       (size)       10-9-11-8, 11=9-11-8, 12=9-11-8, 13=9-11-8, 13=9-11-8, 13=9-11-8, 13=9-11-8, 14=9-11-8, 15=9-11-8, 14=9-11-8, 15=9-11-8, 14=9-11-8, 15=9-11-8, 14=9-11-8, 15=9-11-8, 15=9-11-8, 16=9-11-8, 15=9-11-8, 16=9-11-8, 15=9-11-8, 16=9-11-8, 15=9-11-8, 1	10	P CHORD	Structural wood she	eathing directly appli	ed or									
Bot Crick B       Night applied of robot Cc         REACTIONS       (size)       10-9-11-8, 11-29-11-8, 13-9-11-8, 16-9-11-8, 16-9-11-8, 16-9-11-8, 17-9-11-8, 18-9-11-8, 16-9-11-8, 17-9-11-8, 18-9-11-8, 16-9-11-8, 17-9-11-8, 18-9-11-8, 16-9-11-8, 17-9-11-8, 18-9-11-8, 16-9-11-8, 17-9-11-8, 18-9-11-04 (LC 1), 15-9-17, LC 1, 15-9-3, LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-1849(0, 9-1011/0, 1-2-7/0, 2-3-7/0, 3-4-7/0, 4-5-7/0, 5-6-7/0, 5-6-7/0, 5-6-7/0, 5-6-7/0, 5-6-7/0, 5-7-7/0, 7-8-7/0, 3-4-7/0, 4-5-7/0, 3-4-7/0, 4-5-7/0, 3-4-7/0, 4-5-7/0, 5-6-7/0, 5-7-8-7/0, 5-16-3/0, 3-4-7/0, 4-5-7/0, 5-16-3/0, 0-7-11-10/7         BOT CHORD       1-1807, 16-17-07, 15-16-07, 14-15-07, 13-14-07, 10-11-07         WEBS       2-17-1320, 3-16-1340, 0-415-1330, 5-14-1340, 6-13-1320, 7-12-1390, 8-11-102/0         NOTES       1) All plates are 1.5x3 (II) MT20 unless otherwise indicated.         2) Gable requires continuous bottom chord bearing.       SEAL         3) Trues to be fully sheatted from one face or securely braced against lateral movement (i.e. diagonal web).       SEAL         4) Gable studs spaced at 1-4-0 c.       SEAL         5) Recommed 2x6 strongbacks, on edge, spaced at 1-000-00 cc and fastened to each trues with 3-10d	PO		Bigid coiling directly	xcept end verticals.										
REACTIONS       (size)       10=9-11-8, 11=9-11-8, 12=9-11-8, 13=145 (LC 1), 12=147 (LC 1), 13=145 (LC 1), 13=145 (LC 1), 13=53 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         ToP CHORD       1-18=49/0, 9-10=-11/0, 1-2=-7/0, 6-7=-7/0, -74=-7/0, 6-7=-7/0, -74=-7/0, 8-9=-7/0         SOT CHORD       1-18=0-7, 16-17=07, 10-11=0/7         WEBS       2-17=-132/0, 7, 11-12=07, 10-11=0/7         WEBS       2-17=-132/0, 7, 11-2=07, 10-11=0/7         WEBS       2-17=-132/0, 7, 12=-138/0, 8-13=-132/0, 7-12=-138/0, 8-11=0/2         State squares terminous bottom chord bearing, 30       30         1) All plates are 1-5.53 (II) MT20 unless otherwise indicated.       SEAL         2) Gable requires continuous bottom chord bearing, 31       31         3) Truss to be fully sheathed from one face or securely braced against lateral movement (I.e. diagonal web).       363322	во		bracing	y applied of 10-0-0 0										
Image: Second	RE	ACTIONS	(size) 10=9-11-	-8 11=9-11-8 12=9-	11-8									
16-9-11.8, 17=9-11.8, 18=9-11.8         Max Grav       10-19 (LC 1), 11=104 (LC 1), 12=153 (LC 1), 13=145 (LC 1), 14=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 18=53 (LC 1)         FORCES       (lb) - Maximum Compression/Maximum Tension         TOP CHORD       1.18=-43/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0         BOT CHORD       1.78=-07, 16-17=0/7, 14-15=0/7, 13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7         WEBS       2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0         NOTES       1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.         2) Gable requires continuous bottom chord bearing.         3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).         4) Gable stude spaced at 1-4-0 oc.         5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131' X3') nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.         6) CAULTION Do not ender truss backwards			13=9-11-	-8, 14=9-11-8, 15=9-	11-8,									
Max Grav 10-19 (LC 1), 11=104 (LC 1), 12=153 (LC 1), 13=145 (LC 1), 14=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 16=53 (LC 1) FORCES (b)- Maximum Compression/Maximum Tension TOP CHORD 1-18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 8-9=-7/0 BOT CHORD 1-18=-07, 16-17=-07, 14-15=0/7, 13-14=-07, 16-17=07, 15-16=07, 14-15=0/7, 13-14=-07, 12-13=07, 11-12=07, 10-11=0/7 WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0 NOTES 1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated. 2) Gable requires continuous bottom chord bearing. 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc. 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131' X3') nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6) CAULTION Do not ender truss badtwards			16=9-11	-8, 17=9-11-8, 18=9-	11-8									
12=153 (LC 1), 13=145 (LC 1), 14=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 18=53 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1.18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, -7-8=-7/0, 8-9=-7/0         BOT CHORD       17-18=0/7, 16-17=0/7, 14-15=0/7, 13-14=0/7, 16-17=0/7, 14-15=-0/7, 14-15=-0/7, 13-14=0/7, 16-17=0/7, 14-15=-0/7, 14-15=-0/7, 13-14=0/4, 0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0         NOTES       1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.         2) Gable requires continuous bottom chord bearing.       5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).         4) Gable stude spaced at 1-4-0 oc.       5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co and fastered to each truss with 3-10d (0.131*X 3') nails. Strongbacks, on edge, spaced at their outer ends or restrained by other means.         6) CAULTION. Do not eter truss backwards       6) CAULTION. Do not eter truss backwards			Max Grav 10=19 (L	.C 1), 11=104 (LC 1)	,									
<ul> <li>14=147 (LC 1), 15=147 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 18=53 (LC 1)</li> <li>FORCES (b) - Maximum Compression/Maximum Tension</li> <li>TOP CHORD 1-18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4==7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 6-7=-7/0, -7-8=-7/0, 8-9=-7/0</li> <li>BOT CHORD 17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7</li> <li>WEBS 2-17z-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (II) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131* X 3') nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAULTION Do not restrained by other means.</li> </ul>			12=153 (	LC 1), 13=145 (LC 1	1),									
16=147 (LC 1), 17=147 (LC 1), 18=53 (LC 1)         FORCES       (b) - Maximum Compression/Maximum Tension         TOP CHORD       1-18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0         BOT CHORD       17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7         BOT CHORD       7-18=-7/0, 15-16=0/7, 14-15=0/7, 13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7         BOT CHORD       7-18=-7/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0         NOTES       2         1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.       5         2) Gable requires continuous bottom chord bearing.       5         3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).       4         4) Gable studs spaced at 1-4-0 oc.       5         6) 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.       6         6) CAULTON. Do not restrained by other means.       6       CAULTON. Do not restrained by other means.			14=147 (	(LC 1), 15=147 (LC 1	1),									
<ul> <li>FORCES (b) - Maximum Compression/Maximum Tension</li> <li>TOP CHORD 1-18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4a-7/0, 4-5=-7/0, 5-6-7/0, 6-7a-7/0, 6-7a-7/0, 8-9a-7/0</li> <li>BOT CHORD 17-18=-07, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=-07, 13-14=-07, 12-13=0/0, 8-11=-102/0</li> <li>WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 cc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 cc 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.</li> <li>6) CAULTON Do not creat truss backwards</li> </ul>			16=147 (	(LC 1), 17=147 (LC 1	I),									
<ul> <li>PORCES (10) - Maximum Compression/Maximum Tension</li> <li>TOP CHORD 1-18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 6-7=-7/0, 7-8=-7/0, 6-7=-7/0, 6-7=-7/0, 7-8=-7/0, 6-7=-7/0, 6-7=-7/0, 7-8=-7/0, 6-7=-7-13/0, 8-11=-10-2/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 cand 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.</li> <li>6) CAUITON Don tere truss hodwards</li> </ul>		DOED	18=03 (L											
TOP CHORD 1.18=-49/0, 9-10=-11/0, 1-2=-7/0, 2-3=-7/0, 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0 BOT CHORD 17.18=-0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=0/7, 16-17=0/7, 10-11=0/7 WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 8-11=-102/0 <b>NOTES</b> 1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated. 2) Gable requires continuous bottom chord bearing. 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc. 5) 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. 6) CAULTION Do not ered truss backwards	FO	RCES	(ID) - Maximum Cor Tension	npression/iviaximum										
3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0 BOT CHORD 17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=-07, 12-13=0/7, 11-12=0/7, 10-11=0/7 WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0 NOTES 1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated. 2) Gable requires continuous bottom chord bearing. 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc. 5) 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. 6) CAUITION Do not erecert truss backwards	то	P CHORD	1-18=-49/0. 9-10=-	11/0. 1-2=-7/0. 2-3=-	7/0.									
<ul> <li>Recommed 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.</li> <li>A. GIL-B. CALLED.</li> </ul>			3-4=-7/0, 4-5=-7/0,	5-6=-7/0, 6-7=-7/0,	,									
BOT CHORD 17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, 13-14=0/7, 12-13=0/7, 11-12=0/7 WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0 NOTES 1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated. 2) Gable requires continuous bottom chord bearing. 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc. 5) 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. 6) CAULION Do not erect truss backwards			7-8=-7/0, 8-9=-7/0											
<ul> <li>13-14=0/7, 12-13=0/7, 11-12=0/7, 10-11=0/7</li> <li>WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nais. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>	BO	T CHORD	17-18=0/7, 16-17=0	0/7, 15-16=0/7, 14-15	5=0/7,								minin	1111
<ul> <li>WEBS 2-17=-132/0, 3-16=-134/0, 4-15=-133/0, 5-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>			13-14=0/7, 12-13=0	0/7, 11-12=0/7, 10-11	1=0/7								W'TH CA	ROUL
<ul> <li>S-14=-134/0, 6-13=-132/0, 7-12=-139/0, 8-11=-102/0</li> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>	WE	BS	2-17=-132/0, 3-16=	-134/0, 4-15=-133/0,	,							15	RIL	
NoTES 1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated. 2) Gable requires continuous bottom chord bearing. 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc. 5) 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. 6) CAUTION Do not erect truss backwards			5-14=-134/0, 6-13=	-132/0, 7-12=-139/0,	,							2.	OFFESS	CATV :=
<ul> <li>NOTES</li> <li>1) All plates are 1.5x3 (  ) MT20 unless otherwise indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>		TEC	0-11=-102/0								Z	95		Rill
<ul> <li>1) An plates are 1.5X3 (j) M120 unless build wise</li> <li>indicated.</li> <li>2) Gable requires continuous bottom chord bearing.</li> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>			oro 1 5v2 (II) MT20	nloss otherwise							-		Q	
<ul> <li>a) Gable requires continuous bottom chord bearing.</li> <li>b) Gable requires continuous bottom chord bearing.</li> <li>c) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>c) Gable studs spaced at 1-4-0 oc.</li> <li>c) 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.</li> <li>c) CAUTION Do not erect truss backwards</li> </ul>	1)	indicated	ale 1.5x5 (  ) 10120 u	Thess otherwise							-		SEA	i i E
<ul> <li>3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>	2)	Gable red	uires continuous botto	om chord bearing.							Ξ.		0200	
<ul> <li>braced against lateral movement (i.e. diagonal web).</li> <li>Gable studs spaced at 1-4-0 oc.</li> <li>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.</li> <li>CAUTION Do not erect truss backwards</li> </ul>	3)	Truss to b	be fully sheathed from	one face or securely	/								03632	22 : 3
<ul> <li>4) Gable studs spaced at 1-4-0 oc.</li> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>	,	braced ag	ainst lateral movemer	nt (i.e. diagonal web)						-	0		1 - E	
<ul> <li>5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION Do not erect truss backwards</li> </ul>	4)	Gable stu	ds spaced at 1-4-0 oc									-	·	airs
10-00-00 oc and tastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6) CAUTION Do not erect truss backwards	5)	Recomme	end 2x6 strongbacks,	on edge, spaced at								15	NGINE	ENAN
(U.131 X 3) hais. Strongbacks to be attached to Walls at their outer ends or restrained by other means. 6) CAUTION Do not erect truss backwards		10-00-00	oc and fastened to ea	ch truss with 3-10d								11	710	BEIN
at their outer ends of restrained by other means. 6) CAUTION Do not erect truss backwards		(U.131" X	3) nails. Strongback	s to be attached to w	valis								11. A. G	ILDIN
	6)		I Do not erect trues b	ackwards									1111111	11111

6) CAUTION, Do not erect truss backwards.

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May 28,2025

Job	Truss	Truss Type	Qty	Ply	Stonehaven Rev 2-EL-6,7-Floor				
	1F28A	Floor	10	1	Job Reference (optional)	173795652			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:17 ID:\_6KnhTc9mZ7PusIkHU4filzE\_6i-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scal	е	=	1	:25

		12-3-0										
Scale = 1:25												
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	0.34	Vert(LL)	-0.08	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.10	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 12%E
LUMBER												

12-3-0

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 sheathing directly applied or 6-0-0 oc purlins, except end verticals.								
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.								
REACTIONS	(size) 9=0-3-0, 14=0-5-8								
	Max Grav 9=660 (LC 1), 14=654 (LC 1)								
FORCES	(Ib) - Maximum Compression/Maximum Tension								
TOP CHORD	1-14=-36/0, 8-9=-40/0, 1-2=-2/0, 2-3=-1265/0, 3-4=-1873/0, 4-5=-1873/0, 5-6=-1873/0, 6-7=-1266/0, 7-8=0/0								
BOT CHORD	13-14=0/805, 12-13=0/1691, 11-12=0/1873, 10-11=0/1690, 9-10=0/806								
WEBS	7-9=-1011/0, 2-14=-1007/0, 7-10=0/599, 2-13=0/599, 6-10=-553/0, 3-13=-554/0								

#### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 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.
- 3) CAUTION, Do not erect truss backwards.

## LOAD CASE(S) Standard



Page: 1

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Job	Truss	Truss Type	Qty Ply		Stonehaven Rev 2-EL-6,7-Floor		
	1F28AGE	Floor Supported Gable	1	1	Job Reference (optional)	173795653	

### Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Wed May 28 11:18:17 ID:5FzZask?jR3dFnou3NnnoZzE\_7q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:26.2

Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.08	<b>DEFL</b> Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999			
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IRC2021/TPI2014	WB Matrix-R	0.03	Horiz(TL)	0.00	10	n/a	n/a	Weight: 44 lb	FT = 20%F, 12%E	
LUMBER			LOAD CASE	S) Standard									
TOP CHORE	2x4 SP No.2(flat)		(	-,									
BOT CHORE	2x4 SP No.2(flat)												
WEBS	2x4 SP No.3(flat)												
OTHERS	2x4 SP No.3(flat)												
BRACING													
TOP CHORE	O Structural wood she	eathing directly appli	ed or										
	6-0-0 oc purlins, ex	cept end verticals.											
BOT CHORE	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	y applied or 10-0-0 o	0C										
REACTIONS	(size) 10=9-11-	8, 11=9-11-8, 12=9-	·11-8,										
	13=9-11-	8, 14=9-11-8, 15=9-	11-8,										
	16=9-11-	8, 17=9-11-8, 18=9-	11-8										
	12-152 (L	LC 1), 11=104 (LC 1)	, 1)										
	12=103 (	LC 1), 15=145 (LC 1	1),										
	16=147 (	LC 1), 17=147 (LC 1	1),										
	18=53 (L	C 1)	<i>//</i>										
FORCES	(lb) - Maximum Con	npression/Maximum											
	Tension												
TOP CHORE	0 1-18=-49/0, 9-10=-1	11/0, 1-2=-7/0, 2-3=-	-7/0,										
	3-4=-7/0, 4-5=-7/0,	5-6=-7/0, 6-7=-7/0,											
	7-8=-7/0, 8-9=-7/0											17.5	
BUICHURL	12 14_0/7 12 12_0	//, 15-16=0//, 14-13 //7_11_12_0/7_10_1	D=0/7, 1_0/7									1111	
WEBS	2-17=-132/0 3-16=	-134/0 4-15=-133/0	1=0/7								I'TH UA	ROUL	
WEB0	5-14=-134/0, 6-13=	-132/0. 7-12=-139/0.	,							15	A	De Marine	
	8-11=-102/0		3						6	11		Print	
NOTES									-		10-20	Val.	
1) All plates	are 1.5x3 (  ) MT20 u	nless otherwise							-				
indicated	l.								=		SEA	L : =	
<ol><li>Gable re</li></ol>	quires continuous botto	om chord bearing.							=		0363	22 : =	
<ol><li>Truss to</li></ol>	be fully sheathed from	one face or securely	/						-		0505		
braced a	gainst lateral movemer	nt (i.e. diagonal web)								-	N	1 3	
<ol> <li>Gable st</li> </ol>	uds spaced at 1-4-0 oc.								S	1.	N.E.	Rich	
<li>5) Kecomm 10-00 00</li>	enu ∠xb strongbacks, (	ch truss with 3-10d								115	S, GIN	EFRAN	
(0 131" )	(3") nails Stronghack	s to be attached to w	valle							1	C	BEIN	
at their o	uter ends or restrained	by other means	i and								11, A. C	all	
6) CAUTIO	N, Do not erect truss ba	ackwards.									10000	mm.	

6) CAUTION, Do not erect truss backwards.



May 28,2025

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818 Soundside Road Edenton, NC 27932

