

RE: 2412-1161-F - Stonefield Rev 3-Elev 4 w/ Site Information: Project Customer: DRB Raleigh Project Name: Lot/Block: Subo Model: Stonefield Rev 3 Address: City: State General Truss Engineering Criteria & Design L Drawings Show Special Loading Conditions): Design Code: IRC2021/TPI2014 Wind Code: ASCE 7-16 Wind Speed: 120 mph Roof Load: 40.0 psf	Crawl-Floor DRB Raleigh Model Track division: DRB Raleigh e: NC Loads (Individual Truss Design Design Program: MiTek 2 Design Method: MWFRS Floor Load: N/A psf	Trenco 818 Soundside Rd Edenton, NC 27932 gn 20/20 25.2 5 (Envelope)/C-C hybrid Wind ASCE 7-16
Mean Roof Height (feet): 25	Exposure Category: B	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	eal#Truss NameDate 4175438 $2F4$ $6/13/25$ 4175439 $2F5$ $6/13/25$ 4175440 $2FGE4$ $6/13/25$ 4175441 $2F8$ $6/13/25$ 4175442 $2F7A$ $6/13/25$ 4175443 $2FGE5$ $6/13/25$ 4175444 $2F7$ $6/13/25$ 4175444 $2F7$ $6/13/25$ 4175444 $2FGR2$ $6/13/25$ 4175444 $2FGR1$ $6/13/25$ 4175449 $2FGR1$ $6/13/25$ 4175449 $2FGR1$ $6/13/25$ 4175450 $2F13$ $6/13/25$ 4175451 $2F17$ $6/13/25$ 4175452 $2F3$ $6/13/25$ 4175453 $2F6$ $6/13/25$ 4175454 $2FGE3$ $6/13/25$ 4175459 $2F9$ $6/13/25$ 4175459 $2F12$ $6/13/25$ 4175459 $2F9$ $6/13/25$ 4175461 $2F18$ $6/13/25$ 4175462 $2F1A$ $6/13/25$ 4175463 $2F19$ $6/13/25$ 4175464 $2FGE2$ $6/13/25$ 4175464 $2FGE2$ $6/13/25$ 4175464 $2FGE2$ $6/13/25$ 4175464 $2FGE2$ $6/13/25$	
The truss drawing(s) referenced above have been prep Truss Engineering Co. under my direct supervision ba provided by Structural, LLC. Truss Design Engineer's Name: Gilbert, Eric My license renewal date for the state of North Carolin IMPORTANT NOTE: The seal on these truss component of that the engineer named is licensed in the jurisdiction(s) identified designs comply with ANSI/TPI 1. These designs are based upon shown (e.g., loads, supports, dimensions, shapes and design coor given to MiTek or TRENCO. Any project specific information inco TRENCO's customers file reference purpose only, and was not the preparation of these designs. MiTek or TRENCO has not indepe applicability of the design parameters or the designs for any parti- the building designer should verify applicability of design parameter incorporate these designs into the overall building design per ANS	bared by ased on the parameters ha is December 31, 2025 designs is a certification d and that the parameters les), which were luded is for MiTek's or kken into account in the ndently verified the cular building. Before use, ters and properly SI/TPI 1, Chapter 2. of 1 Gilbert, 1	SEAL WGINEER A. GILBER June 13,2025

Job	Truss	Truss Type		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1FGE1	Floor Supported Gable	2	1	Job Reference (optional)	174175404

Structural LLC Thurmont MD - 21788

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries. Inc. Thu Jun 12 12:56:54

Page: 1



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.

1)

2)

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June 13,2025

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F5	Floor	1	1	Job Reference (optional)	174175405

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:52 Page: 1 ID:uu1mdatG0EjnMgE5nGSNvnz867A-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







15-10-0

1.20 1 S

Scale = 1.55.1												
Loading	(psf) 40.0	Spacing Plate Grip DOI	2-0-0	CSI TC	0.63	DEFL Vert(LL)	in -0 12	(loc) 13-14	l/defl	L/d 480	PLATES	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.16	13-14	>975	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TP	Pl2014 Matrix-S							Weight: 79 lb	FT = 20%F, 12%E
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)		4) Re 10 (0. at 5) CA	ecommend 2x6 strongback -00-00 oc and fastened to .131" X 3") nails. Strongba their outer ends or restrain AUTION, Do not erect truss CASE(S). Standard	as, on edge each truss acks to be ned by othe s backward	e, spaced at with 3-10d attached to w er means. ds.	valls					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applie ccept end verticals.	ed or	CASE(S) Stanuard								
BOT CHORD	Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 18	/ applied or 10-0-0 od 3-19,17-18.	0									
REACTIONS	(size) 12=0-5-8 Max Uplift 19=-533 Max Grav 12=605 (I 19=-25 (L	, 18=0-4-8, 19=0-5-8 (LC 4) LC 4), 18=1543 (LC _C 3)	1),									
FORCES	(lb) - Maximum Con Tension	npression/Maximum										
TOP CHORD	1-19=-53/0, 11-12=- 2-3=0/1627, 3-4=0/ 5-6=-1534/0, 6-7=-1 8-9=-1835/0, 9-10=-	-41/0, 1-2=-4/0, 1628, 4-5=-349/0, 1534/0, 7-8=-1835/0, -1351/0, 10-11=0/0										
BOT CHORD	18-19=-862/0, 17-18 15-16=0/1835, 14-1 12-13=0/874	8=-482/0, 16-17=0/1 5=0/1835, 13-14=0/1	100, 1763,								mm	11175
WEBS	3-18=-116/0, 7-15=- 2-19=0/1023, 2-18= 4-17=0/959, 5-17=-9 10-13=0/583, 9-13=	-11/202, 8-14=-139/0 -1058/0, 4-18=-1409 918/0, 10-12=-1036/0 -503/0, 9-14=-53/30), I/O, D, 5.							111	OPTESS	ROUNT

NOTES

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

5-16=0/522, 6-16=0/238, 7-16=-732/0

All plates are MT20 plates unless otherwise indicated. 2)

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 533 lb uplift at joint 19.



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Job	Truss Truss Type		Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	1F4	Floor	1	1	Job Reference (optional)	174175406	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:52 Page: 1 ID:m7DQKKWR50x2m3xK1zwKhSz867e-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









15-10-0

1.20 1 6

Scale = 1.59.1													
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	0.63	Vert(LL)	-0.12	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.83	Vert(CT)	-0.16	13-14	>975	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES		WB	0.49	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code	IRC2021	/TPI2014	Matrix-S							Weight: 79 lb	FT = 20%F, 12%E
LUMBER			4)	Recommend	2x6 strongbacks.	on edae	e, spaced at						
TOP CHORD	2x4 SP No.2(flat)		.,	10-00-00 oc	and fastened to ea	ach truss	s with 3-10d						
BOT CHORD	2x4 SP No.2(flat)			(0.131" X 3")) nails. Strongbacl	ks to be	attached to w	alls					
WEBS	2x4 SP No.3(flat)			at their outer	r ends or restraine	d by othe	er means.						
OTHERS	2x4 SP No.3(flat)		5)	CAUTION, D	Do not erect truss b	ackward	ds.						
BRACING			LO	AD CASE(S)	Standard								
TOP CHORD	Structural wood she	eathing directly applie	ed or										
	6-0-0 oc purlins, ex	cept end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	C										
	bracing, Except:												
	6-0-0 oc bracing: 18	3-19,17-18.											
REACTIONS	(size) 12=0-5-8	, 18=0-4-8, 19=0-5-8	3										
	Max Uplift 19=-533	(LC 4)											
	Max Grav 12=599 (LC 4), 18=1543 (LC	1),										
	19=-25 (l	_C 3)											
FORCES	(lb) - Maximum Con	npression/Maximum											
	Tension												
TOP CHORD	1-19=-53/0, 11-12=	-37/0, 1-2=-4/0,											
	2-3=0/1627, 3-4=0/	1628, 4-5=-349/0,											
	5-6=-1533/0, 6-7=-1	533/0, 7-8=-1834/0,											
	8-9=-1834/0, 9-10=	-1350/0, 10-11=-3/0											
BOT CHORD	18-19=-862/0, 17-1	8=-482/0, 16-17=0/1	100,										
	15-16=0/1834, 14-1	5=0/1834, 13-14=0/	1763,										
	12-13=0/873	44/000 0 44											
WEBS	3-18=-116/0, 7-15=	-11/202, 8-14=-139/0),									IN TH CA	Roill
	2-19=0/1023, 2-18=	-1058/0, 4-18=-1409	9/0,								1	R	· Alla
	4-1/=0/959, 5-1/=-	918/0, 10-12=-1031/0	U,								1.	U.FESS	DAISV'
	10-13=0/583, 9-13=	-504/0, 9-14=-54/30	5,							4	2	10 /	A.Y
	5-16=0/522, 6-16=0	/238, 7-16=-732/0								_		:0	

NOTES

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

All plates are MT20 plates unless otherwise indicated. 2)

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 533 lb uplift at joint 19.



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F3	Floor	2	1	Job Reference (optional)	174175407







Scale = 1:38.4

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

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.00 1.00	CSI TC BC	0.60 0.83	DEFL Vert(LL) Vert(CT)	in -0.12 -0.16	(loc) 12-13 12-13	l/defl >999 >976	L/d 480 360	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S		. ,		-			Weight: 74 lb	FT = 20%F, 12%E
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)		 Recomr 10-00-0 (0.131" at their (CAUTIO LOAD CAS 	nend 2x6 strongback 0 oc and fastened to X 3") nails. Strongba outer ends or restrain N, Do not erect trus F(S) . Standard	ks, on edge each truss acks to be a ned by othe s backward	e, spaced at with 3-10d attached to v er means. Is.	valls					
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 17	applied or 10-0-0 o	C									
REACTIONS	(size) 11=0-5-8, Max Uplift 18=-876 (Max Grav 11=605 (I 18=-168 (, 17=0-4-8, 18=0-5-8 (LC 4) _C 4), 17=1808 (LC (LC 3)	3 1),									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-18=0/874, 10-11= 2-3=0/1535, 3-4=-41 5-6=-1588/0, 6-7=-1 8-9=-1367/0, 9-10=-	-37/0, 1-2=0/1535, 19/0, 4-5=-1588/0, 876/0, 7-8=-1876/0, 3/0	,									
BOT CHORD	17-18=-62/0, 16-17= 14-15=0/1876, 13-1 11-12=0/882	-405/0, 15-16=0/11 4=0/1876, 12-13=0/	62, 1790,								TH CA	RO
WEBS	2-17=-162/0, 6-14=- 1-17=-1711/0, 3-17= 4-16=-910/0, 9-11=- 8-12=-515/0, 8-13=- 5-15=0/235, 6-15=-7	21/196, 7-13=-145// 1396/0, 3-16=0/94 1042/0, 9-12=0/593 43/323, 4-15=0/511 718/0	0, 9, ,						4		OR FESS	Real of the second seco
1) Unbalance	ed floor live loads have	been considered fo	or						Ξ		0363	22

 Unbalanced floor live loads have been considered for this design.

2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 876 lb uplift at joint

bearing plate capable of withstanding 876 ib uplift at joir 18.



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TRENCO A MI Tek Atfillate 818 Soundside Road Edenton, NC 27932

Job	Trus	s	Truss Type		Qty	Ply	Stonefield	Rev 3-Elev	4 w/crawl-Floor	
	1F2		Floor		4	1	Job Refere	nce (option	al)	174175408
Structural, LLC,	Thurmont, MD - 21788,			Run: 25.20 S May	13 2025 Print	: 25.2.0 S May	/ 13 2025 MiTe	ek Industries,	Inc. Thu Jun 12 12:	56:51 Page: 1
				ID.9G9JI HIMFWZKII	101 VE1 D9042	.00ARIC (Pt	ыландылдун	qnilowou'i Ai	JGKWICD017J4ZJC	<i>(</i> 1
	0-1	1-8	0-10-8		0-5	-0)			0-1-8
		1-3-0			+	-0				H
	1	.5x3 II	3x3 II	4x4 = 3x6 FP	1.5x3	Ш	1.5x3 u			1.5x3 II
	°,	1 2 2 4 10	3 4	5 6 7	8	9	10	11	12	13 — 2 5
	⊥ 23		2	0019	18	M 17	16		15	14
			21 MT20HS 3x8 =	4x4 =	3x6	-				3x6 =
	1.	5x3 = 3x6 =	3x6	FP		.5x3 ॥				1.5x3 =
		5.0 -				12	2-9-8			
						11-9-8				
	ł	<u> </u>		10-9-8 5-9-8		+ $+$		1 5	8-2-0 -4-8	
						1-0-0				
				18.	-2-0	1	-0-0			
Scale = 1:38.4				10	2.0					
Loading	(psf)	Spacing	2-0-0	CSI	DEF	۳ ـ	in (loc)	l/defl L	d PLATES	GRIP
TCDL	40.0	Lumber DOL	1.00	BC	0.64 Ver	(CT) -0	16 15-16	>999 48	60 MT20HS	187/143
BCDL	0.0 5.0	Code	YES IRC2021/TPI2014	WB Matrix-S	0.46 Hor.	z(CT) 0	.02 14	n/a n	/a Weight: 90 II	b FT = 20%F, 12%E
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) Recommend 10-00-00 oc (0.131" X 3") at their outer 6) CAUTION, E 10AD CASE(S) 	2x6 strongbacks, or and fastened to each nails. Strongbacks ends or restrained b on ot erect truss bac Standard	n edge, spa h truss with to be attach by other me ckwards.	ced at 3-10d ned to walls ans.				
TOP CHORD BOT CHORD	Structural wood sh 6-0-0 oc purlins, e Rigid ceiling direc	neathing directly applied except end verticals. tly applied or 6-0-0 oc	l or							
REACTIONS	bracing. (size) 14=0-5- Max Uplift 23=-212 Max Grav 14=604	8, 21=0-4-8, 23=0-5-8 2 (LC 4) (LC 4), 21=1391 (LC 1)	I,							
FORCES	23=172 (Ib) - Maximum Co	(LC 3) pmpression/Maximum								
TOP CHORD	Tension 1-23=-33/0, 13-14 2-3=-67/748, 3-4= 5-7=-404/0, 7-8=- ⁻ 9-10=-1866/0, 10- 12-13=-3/0	=-37/0, 1-2=-2/0, 0/1616, 4-5=0/1617, 1575/0, 8-9=-1575/0, 11=-1866/0, 11-12=-136	53/0,							
BOT CHORD	22-23=-357/203, 2 19-21=-469/0, 18- 16-17=0/1866, 15- 4-21=-65/0, 9-17= 2-23=-238/424, 2- 3-21=-810/0, 5-21	21-22=-1174/0, 19=0/1148, 17-18=0/18 -16=0/1783, 14-15=0/88 -12/205, 10-16=-140/0, 22=-521/0, 3-22=0/562, =-1414/0, 5-19=0/957,	66, 0						UNRTH C	ARO
NOTES	7-19=-914/0, 12-1 11-15=-513/0, 11- 8-18=0/240, 9-18=	4=-1040/0, 12-15=0/590 16=-59/308, 7-18=0/520 738/0),),					Com	SF	AL
 Unbalance this design All plates a 	ed floor live loads ha n. are MT20 plates unle	ve been considered for ess otherwise indicated.						IIII	036	322
 All plates a Provide me bearing pla 23. 	are 3x3 (=) MT20 ur echanical connectio ate capable of withst	nless otherwise indicate n (by others) of truss to tanding 212 lb uplift at jo	d. bint					in the	CALC A.	NEER
										ine 13 2025

pinst.org) B18 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1FGE2	Floor Supported Gable	1	1	Job Reference (optional)	174175409

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 ID:JXnkWVefd4L7egBT_MKO43z85nW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:31.8

Scale = 1.51.0												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	l /d	PLATES	GRIP
TCU	40.0	Plate Grin DOI	1 00	TC	0.08	Vert(LL)	n/a	()	n/a	999	MT20	244/190
	10.0		1.00		0.00	Vort(EL)	n/a		n/a	000	11120	210,100
DOLL	10.0		1.00 VEC		0.02	Vert(TL)	0.00	47	11/a	999		
BULL	0.0	Rep Stress Incr			0.03	HOUS(IL)	0.00	17	n/a	n/a		FT 000/F 400/F
BCDL	5.0	Code	IRC2021/TPI201	4 Matrix-R							Weight: 72 lb	FT = 20%F, 12%E
	2v4 SP No 2(flat)		1) All plat	tes are 1.5x3 () MT20	unless of	therwise						
	2x4 SF N0.2(flat)		2) Cable	requires continuous b	ottom chor	d bearing						
WERS	2x4 SF N0.2(flat)		2) Gubic 3) Truss	to be fully sheathed fro	m one fac	e or securely						
OTHERS	2x4 SF N0.3(IIal)		bracec	lo be fully sheathed inc	nent (ie d	iadonal web)						
	2x4 SP 10.3(11at)		4) Gable	studs snaced at 1-4-0		agona web).						
BRACING	•		. 5) Recom	mend 2x6 stronghack	s on edge	spaced at						
TOP CHORD	Structural wood sh 6-0-0 oc purlins, e	eathing directly applie except end verticals.	ed or 0) 10-00- (0 131	00 oc and fastened to	each truss	with 3-10d	alls					
BOT CHORD	Rigid ceiling direct bracing.	ly applied or 10-0-0 oc	at their	r outer ends or restrain	ied by othe	er means.	ans					
REACTIONS	(size) 17=18-2 20=18-2 23=18-2 27=18-2 30=18-2 30=18-2 Max Grav 17=26 (19=153 21=147 23=147 25=147 28=147 28=147 30=147 32=52 (2-0, 18=18-2-0, 19=18 2-0, 21=18-2-0, 22=18 2-0, 24=18-2-0, 29=18 2-0, 28=18-2-0, 29=18 2-0, 31=18-2-0, 32=18 LC 1), 18=114 (LC 1), (LC 1), 20=145 (LC 1) (LC 1), 22=147 (LC 1) (LC 1), 27=147 (LC 1) (LC 1), 27=147 (LC 1) (LC 1), 29=147 (LC 1) (LC 1), 31=148 (LC 1) LC 1)	-2-0, -2-0, -2-0, -2-0, -2-0, -2-0, -2-0),),),),),),	GE(G) Standard								
FORCES	(lb) - Maximum Co	mpression/Maximum										11111
TOP CHORD	1-32=-49/0, 16-17: 3-4=-7/0, 4-5=-7/0 7-8=-7/0, 8-9=-7/0 12-13=-7/0, 13-14: 15-16=-7/0	=-20/0, 1-2=-7/0, 2-3= , 5-6=-7/0, 6-7=-7/0, , 9-11=-7/0, 11-12=-7/ =-7/0, 14-15=-7/0,	-7/0, 0,						4	AN IN	ORTHCA	
BOT CHORD	31-32=0/7, 30-31= 27-28=0/7, 25-27= 22-23=0/7, 21-22= 18-19=0/7, 17-18=	0/7, 29-30=0/7, 28-29 0/7, 24-25=0/7, 23-24 0/7, 20-21=0/7, 19-20 0/7	=0/7, =0/7, =0/7,								SEA 0363	L 22
WEBS	2-31=-132/0, 3-30: 5-28=-133/0, 6-27: 8-24=-133/0, 9-23: 12-21=-134/0, 13-2 15-18=-108/0	=-134/0, 4-29=-133/0, =-133/0, 7-25=-133/0, =-133/0, 11-22=-133/0 20=-132/0, 14-19=-13{), B/O,							in the second se	A. C	EEP. KINN
NOTES											June	€ 13,2025

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Job	Truss	Truss Type		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	1FGE8	Floor Supported Gable	1	1	Job Reference (optional)	174175410	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:55 ID:3v2Lek5MmIDII?PtUT1Nu3z85pW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



. . .

Scale = 1:36															
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	I/TPI2014	CSI TC BC WB Matrix-R	0.09 0.01 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 15 15-16 14	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 58 lb	GRIP 244/190 FT = 20%ł	F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No. 2x4 SP No. 2x4 SP No. 2x4 SP No. Structural v 6-0-0 oc pu Rigid ceilin, bracing. (size) 1	2(flat) 2(flat) 3(flat) 3(flat) 3(flat) vood shea rrlins, exc g directly	athing directly applie cept end verticals. applied or 10-0-0 oc I, 15=13-6-4, 16=13-	3) 4) 5) ed or LC c -6-4,	Gable studs Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D DAD CASE(S)	spaced at 1-4-0 o 2x6 strongbacks, and fastened to e nails. Strongbac ends or restraine to not erect truss to Standard	c. on edge ach truss ks to be d by othe backward	e, spaced at with 3-10d attached to w er means. ds.	valls						
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	17=13-6-4 20=13-6-4 23=13-6-4 26=0-5-8 14=27 (LC 16=152 (L 18=147 (L 20=147 (L 20=147 (L 22=145 (L 24=120 (L 26=29 (LC	i, 18=13-6-4, 19=13; i, 21=13-6-4, 22=13; i, 24=13-6-4, 25=13; i, 15=123 (LC 1); ,C 1), 17=145 (LC 1); ,C 1), 19=147 (LC 1); ,C 1), 21=147 (LC 1); ,C 1), 23=152 (LC 1); ,C 1), 25=48 (LC 1); ;1)	-6-4, -6-4, -6-4,),),),											
FORCES	(lb) - Maxin Tension 1-26=-27/0 3-4=-3/0, 4 7-8=-3/0, 8 11-12=-3/0	num Com , 13-14=-2 -5=-3/0, 5 -9=-3/0, 9 , 12-13=-3	pression/Maximum 24/0, 1-2=-3/0, 2-3=- i-6=-3/0, 6-7=-3/0, I-10=-3/0, 10-11=-3/0 3/0	-3/0, 0,								The second	ORTH CA	ROLIN	
BOT CHORD WEBS NOTES 1) All plates a indicated. 2) Truss to b	25-26=0/3, 21-22=0/3, 17-18=0/3, 2-25=-42/0, 5-22=-132// 8-19=-133// 11-16=-138 are 1.5x3 () e fully sheath	24-25=0/ 20-21=0/ 16-17=0/ , 3-24=-10 0, 6-21=- ⁻ 0, 9-18=- ⁻ 3/0, 12-15 MT20 un ed from o	3, 23-24=0/3, 22-23 3, 19-20=0/3, 18-19 3, 15-16=0/3, 14-15 09/0, 4-23=-138/0, 134/0, 7-20=-133/0, 134/0, 10-17=-132/0 =-112/0 less otherwise one face or securely	=0/3, =0/3, =0/3							N. T.		SEA 0363	L 22 ILBER	
braced ag	ainst lateral m	novement	(i.e. diagonal web).											1.1.1.2	

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

June 13,2025

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Job	Truss	Truss Type		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1FGE6	Floor Supported Gable	1	1	Job Reference (optional)	174175411

Structural LLC Thurmont MD - 21788

2)

3)

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries. Inc. Thu Jun 12 12:56:54 ID:QhRWOunUayGL0chemE1WAtz85oe-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



818 Soundside Road

Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	1FGE3	Floor Supported Gable	1	1	Job Reference (optional)	174175412			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 ID:BmzODFHqhsZO23viD3nMtkz85o_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:31.4												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	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	0.03	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 16 lb	FT = 20%F, 12%E
	2x4 SP No 2/flot)											

TOF CHORD	2X4 OF N	0.2(liat)
BOT CHORD	2x4 SP N	o.2(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	3-5-8 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	5=3-5-8, 6=3-5-8, 7=3-5-8, 8=3-5-8
	Max Grav	5=24 (LC 1), 6=111 (LC 1), 7=153
		(LC 1), 8=51 (LC 1)
FORCES	(lb) - Max	timum Compression/Maximum
	Tension	
TOP CHORD	1-8=-48/0), 4-5=-18/0, 1-2=-8/0, 2-3=-8/0,
	3-4=-8/0	
BOT CHORD	7-8=0/8, 6	6-7=0/8, 5-6=0/8
WEBS	2-7=-137	/0. 3-6=-106/0

NOTES

Gable requires continuous bottom chord bearing. 1)

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	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	1FGE4	Floor Supported Gable	3	1	Job Reference (optional)	174175413			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 ID:QDUMXWBpZPYW5qHAINeUY2z85o6-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1.5x3 =

3x6 =



1-1-8

1-1-8

Scale = 1:32

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 8 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	S = 2x4 SF No.3(flat) ERS $2x4$ SP No.3(flat)											
BRACING												
TOP CHORD	OP CHORD Structural wood sheathing directly applied or											
	1-1-8 oc purlins, except end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	0									
	bracing.											
REACTIONS	(size) 3=1-1-8, 4	4=1-1-8										
	Max Grav 3=42 (LC	1), 4=42 (LC 1)										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-4=-38/0, 2-3=-38/0	0, 1-2=-3/0										
BOT CHORD	3-4=0/3											
WEBS	WEBS 2-4=0/0											
NOTES												
1) Gable requires continuous bottom chord bearing.												
2) Truss to b	e fully sheathed from o	one face or securely										
braced ag	braced against lateral movement (i.e. diagonal web).											

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

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

LOAD CASE(S) Standard



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		· · · · · · · · · · · · · · · · · · ·	-	1					
Job	Truss	Truss Type	Qty Ply		Stonefield Rev 3-Elev 4 w/crawl-Floor				
						174175414			
	1FGR1	Floor Girder	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. Thu Jun 12 12:56:55 Page: 4							
		ID:G340TLE3RWPz	Tzmkb0u7TTz	:85Qp-RfC?F	PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f				
0-1-8		2-0-0							
П		0.5.0		0.11	12	0.0.8			





23-2-4

Scale = 1:44.3														
Loading	(psf)	Spacing	1-4-0		CSI	0.08	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
	40.0		1.00			0.90		-0.08	27-20	>999	400	101120	244/190	
	10.0	Lumber DOL Bon Stroop Inor	1.00		BC	0.93		-0.12	20-21	>984	360			
	0.0	Code	IRC2021	/TPI2014	Matrix-S	0.67	HOIZ(CT)	0.02	18	n/a	n/a	Weight: 121 lb	FT – 20%F	12%E
BODE	0.0	Obde	11(02021	/11/2014	Matrix 0							Weight. 121 lb	11 = 20701,	12700
LUMBER			4)	Recommend	2x6 strongback	s, on edge	, spaced at							
TOP CHORD	2x4 SP No.2(flat)			10-00-00 oc	and fastened to	each truss	with 3-10d							
BOT CHORD	2x4 SP No.2(flat)			(0.131" X 3")	nails. Strongba	acks to be a	attached to w	valls						
WEBS	2x4 SP No.3(flat)			at their outer	ends or restrain	ned by othe	r means.							
OTHERS	2x4 SP No.3(flat)		5)	CAUTION, D	o not erect truss	s backward	s.							
BRACING			LO	AD CASE(S)	Standard									
TOP CHORD	Structural wood she	athing directly applie	dor 1)	Dead + Flo	or Live (balance	d): Lumber	Increase=1	.00,						
	6-0-0 oc purlins, ex	cept end verticals.		Plate Increa	ase=1.00									
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc		Uniform Loa	ads (lb/ft)									
	bracing.			Vert: 18-2	29=-7, 1-17=-67	•								
REACTIONS	(size) 18=0-4-8,	22=0-4-8, 29=0-5-8		Concentrate	ed Loads (lb)									
	Max Grav 18=703 (L	C 4), 22=2532 (LC 1	1),	Vert: 14=	-2, 18=-58, 12=	-1751								
	29=329 (L	_C 3)												
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHORD	1-29=-27/0, 17-18=-	21/0, 1-2=-2/0,												
	2-3=-700/31, 3-4=-7	33/357, 4-5=-733/35	7,											
	5-6=-384/620, 6-7=-	384/620, 7-9=0/1110),											
	9-10=0/2380, 10-11=	=0/2380, 11-12=-312	0/0,											
	12-13=-3120/0, 13-1	4=-2529/0,												
	14-15=-1433/0, 15-1	6=-1433/0, 16-17=0/	/0											
BOT CHORD	28-29=0/473, 27-28=	=-126/861,												
	26-27=-357/733, 25-	-26=-357/733,												
	24-25=-840/0, 22-24	=-1500/0, 21-22=0/9	980,									minin	1111	
	20-21=0/2928, 19-20	0=0/2100, 18-19=0/6	46									IN'TH CA	ROUL	
WEBS	4-27=-2/97, 5-26=0/2	284, 10-22=-104/0,									1	all	10/11	
	2-29=-559/0, 2-28=-	37/277, 3-28=-197/1	16,								ر میر	O'.EESS	1 AV	1, 1
	3-27=-322/0, 11-22=	-3342/0, 13-21=0/36	69,								25		1.7	21
	13-20=-488/0, 14-20)=0/523, 14-19=-802/	/0,									.0	-0	6.
	16-19=0/946, 16-18=	=-893/0, 12-21=-178	8/0,							-				-
	11-21=0/2806, 15-19	9=-64/0, 9-22=-1086/	/0,							=	:	SEA	L :	1
	9-24=0/793, 7-24=-7	765/0, 7-25=0/491,									:	0262	22 :	=
	6-25=0/291, 5-25=-8	371/0								1		0303.	~~ :	
										-	e (8			-

NOT

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are 3x3 (=) MT20 unless otherwise indicated. 2) 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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Job	Truss Truss Type		Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	1F17	Floor	6	1	Job Reference (optional)	174175415			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:53 Page: 1 ID:wOrR_oTkIAErejfJms0Z9hz85IA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0 14-2-4

Scale = 1:38.4

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

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI TC BC WB	0.69 0.58 0.41	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.25 0.04	(loc) 12-13 13 10	l/defl >909 >664 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD	5.0 2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 10=0-4-8, Max Grav 10=825 (L (lb) - Maximum Com Tension 1-16=-36/0, 9-10=-3 2-3=-1810/0, 3-4=-2	Code athing directly applie cept end verticals. applied or 10-0-0 or 16=0-5-8 _C 1), 16=760 (LC 1 pression/Maximum 9/0, 1-2=-3/0, 976/0, 4-5=-2976/0,	IRC2021/TPI2014 Uniform Lo Vert: 10- Concentrat Vert: 10: ed or c	Matrix-S ads (lb/ft) 16=-10, 1-9=-100 ed Loads (lb) =-58							Weight: 69 lb	FT = 20%F, 12%E
BOT CHORD WEBS	8-9=0/0 15-16=0/1120, 14-1 12-13=0/2976, 11-12 4-14=-251/0, 5-13=- 2-15=0/842, 3-15=-8 8-10=-1329/0, 8-11= 7-12=0/441, 6-12=-1	5=0/2480, 13-14=0/2 2=0/2481, 10-11=0/ 144/83, 2-16=-1325 317/0, 3-14=0/764, =0/852, 7-11=-807/0 (53/57, 5-12=-506/1	2976, 1121 /0, , 48								WITH CA	NRO MA
NOTES 1) Unbalance this design 2) Load case designer m for the inte 3) Recommer 10-00-00 c (0.131" X 3 at their out 4) CAUTION, LOAD CASE(5 1) Dead + F Plate Incr	(s) 1 has/have been m nust review loads have nat review loads to ve ended use of this truss. nd 2x6 strongbacks, o cc and fastened to eac 3") nails. Strongbacks er ends or restrained l , Do not erect truss ba S) Standard cloor Live (balanced): L rease=1.00	e been considered for nodified. Building erify that they are co. n edge, spaced at th truss with 3-10d to be attached to w by other means. ckwards.	or rrect ralls							2 Contraction of the second se	SEA 0363	L 22 L BER L BER L BER L BER L I L BER L I L BER L I L BER L I I I I I I I I I I I I I I I I I I
WARN Design V	IING - Verify design paramete	ers and READ NOTES ON	THIS AND INCLUDED MITEK R	EFERENCE PAGE MII-7	473 rev. 1	/2/2023 BEFORE	USE.				ENGINEER	ING BY

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/TPII Quality** Criteria **and DSE-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	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F18	Floor	3	1	Job Reference (optional)	174175416

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 Page: 1 ID:gOHcXv8RQAzXWkgJFPYT6Cz85la-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0 12-8-4

Scale = 1:38.4

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	0.62	Vert(LL)	-0.17	11-12	>903	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.22	11-12	>667	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 62 lb	FT = 20%F, 12%E
LUMBER												
TOP CHO	RD 2x4 SP No.2(flat)											
BOT CHO	RD 2x4 SP SS(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHO	RD Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHO	RD Rigid ceiling directly	applied or 10-0-0 c	C									
	bracing.											
REACTION	IS (size) 9=0-4-8, 2	15=0-5-8										
	Max Grav 9=684 (LC	C 1), 15=678 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
		0 1 2 2/0 2 2 1	E70/0									
	3_1-2285/0 1-52	280/0 5-6-2380/0	579/0,									
	6-7=-1571/0 7-8=0/	0	,									
BOT CHO	RD 14-15=0/965 13-14	-0/2285 12-13=0/2	285									
201 01.01	11-12=0/2285. 10-1	1=0/2119. 9-10=0/9	92									
WEBS	3-13=0/236, 4-12=-2	213/27, 2-15=-1140	/0,									
	2-14=0/748, 3-14=-8	360/0, 7-9=-1176/0,										
	7-10=0/707, 6-10=-6	669/0, 6-11=0/314,										
	5-11=-171/11, 4-11=	=-272/307										• 1. (Martin 1997)
NOTES												1111
1) Unbala	inced floor live loads have	e been considered f	or								N'TH CA	Roill
this de	sign.									1	A	D LIN'I
2) Recom	mend 2x6 strongbacks, o	n edge, spaced at								1.	FESS	PN Vision
10-00-	00 oc and fastened to eac	ch truss with 3-10d							4	D	UN /	NO
(0.131	X 3") nails. Strongbacks	to be attached to v	valls						-			N



3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F19	Floor	2	1	Job Reference (optional)	174175417

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54

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Page: 1

Structural, LLC, Thurmont, MD - 21788.

0-1-8 Н 1-3-0 1-5-10 2-0-0 1-1-2 3x3 II 1.5x3 🛚 3x4 = 3x3 = 3x3 = 3x4 = 1.5x3 🛚 1.5x3 🛚 3x4 = 7 2 3 4 5 6 8 9 -3-8 * 19 1-0-0 --Ŷ 15 12 14 13 11 3x4 = 1.5x3 🛚 3x4 = 3x4 = 3x6 = 1.5x3 = 3x6 = 3x6 = 7-7-2



1-0-0 14-2-4

Scale = 1:38.4

Plate Offsets (X_Y): [14:0-1-8 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	0.60	Vert(LL)	-0.18	12-13	>909	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.25	13	>664	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%F, 12%E

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 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=0-4-8, 16=0-5-8
	Max Grav 10=767 (LC 1), 16=760 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-16=-36/0, 9-10=-39/0, 1-2=-3/0,
	2-3=-1810/0, 3-4=-2976/0, 4-5=-2976/0,
	5-6=-2848/0, 6-7=-2848/0, 7-8=-1820/0,
	8-9=0/0
BOT CHORD	15-16=0/1120, 14-15=0/2480, 13-14=0/2976,
	12-13=0/2976, 11-12=0/2481, 10-11=0/1121
WEBS	4-14=-251/0, 5-13=-144/83, 2-16=-1325/0,
	2-15=0/842, 3-15=-817/0, 3-14=0/764,
	8-10=-1329/0, 8-11=0/852, 7-11=-807/0,
	7-12=0/441, 6-12=-153/57, 5-12=-506/148
NOTES	
 Unbalance this design 	ed floor live loads have been considered for n.

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



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F20	Floor	4	1	Job Reference (optional)	174175418

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Page: 1







1-0-0 15-2-4

Scale = 1:38.4

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.00 1.00	CSI TC BC	0.48 0.49	DEFL Vert(LL) Vert(CT)	in -0.21 -0.29	(loc) 14-15 14-15	l/defl >846 >613	L/d 480 360	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 75 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BRACING TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	athing directly applic	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	c									
REACTIONS	(size) 11=0-4-8, Max Grav 11=822 (L	. 18=0-5-8 ₋C 1), 18=815 (LC 1)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-18=-36/0, 10-11=- 2-3=-1985/0, 3-4=-3 5-6=-3451/0, 6-7=-3 8-9=-1986/0, 9-10=0	40/0, 1-2=-3/0, 157/0, 4-5=-3157/0, 157/0, 7-8=-3157/0, 0/0										
BOT CHORD	17-18=0/1207, 16-1 14-15=0/3451, 13-1 11-12=0/1208	7=0/2722, 15-16=0/ 4=0/3451, 12-13=0/	3451, 2722,									
WEBS	5-15=-109/142, 6-14 2-18=-1427/0, 2-17= 3-16=0/522, 4-16=-1 9-12=0/950, 8-12=-6 7-13=-127/79, 6-13=	I=-109/142, ⊧0/951, 3-17=-899/0 27/79, 9-11=-1431/ 399/0, 8-13=0/523, ⊧-664/23, 5-16=-664	, 0, /23								TH CA	ROUT
NOTES										1	On EESS	in Nin
 Unbalanc this desig Recommendation 10-00-00 1241 X 	ed floor live loads have in. end 2x6 strongbacks, o oc and fastened to eac	been considered for n edge, spaced at th truss with 3-10d	or							i	SEA	L
at their ou 3) CAUTION	ter ends or restrained	by other means. ckwards.	ans						1111		0363	22

LOAD CASE(S) Standard

June 13,2025

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	1FGE9	Floor Supported Gable	1	1	Job Reference (optional)	1/41/5419	
Structural, LLC, Thurmont, MD - 2	21788,	Run: 25.20 S May 13	2025 Print: 2	25.2.0 S May	7 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:55	Page: 1	

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	0-1-8										
	H									22-9)-8
	3x3 II						3x6 FP			1-5	-о 3х3 ш
œ	1 2 3 41	4 5	6 7	8 9	10	11 12	13 14 15	16	17 18	19	20
0-3		<u> </u>	<u> </u>					0		0	21
·											
	39 38 3x3=	37 36	35 34 33 3x6 F	32 31 P	30	29 28	27 26	25	24 23	22	3x3 II
	1.5x3 =										
	3x3 II										
	0-8-0				22-	9-8					I
					22-	1-8					
	0-8-0				22-9-	8					
Scale = 1:39.1		-				-					
Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 . 1.00 1.00	CSI TC BC	0.4 0.0	45 Vert(LL) 10 Vert(CT)	in (loc) 0.00 21-22 0.00 21-22	l/defl L/d >999 480 >999 360	PLATES MT20	GRIP 244/190	
BCLL BCDL	0.0 5.0	Rep Stress Incl Code	r NO IRC2021/TPI2	WB 014 Matrix-F	0.0 २	06 Horz(CT)	0.00 21	n/a n/a	Weight: 92 lb	FT = 20%F	12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood s 6-0-0 oc purlins, Rigid ceiling direc bracing. (size) 21=22- 24=22- 27=22- 30=22- 34=22- 37=22- 40=0-5 Max Grav 21=44 25=62 27=252 29=100 31=98 (LC 1), 1), 37= 39=21	heathing directly ap except end verticals tly applied or 10-0-0 1-8, 22=22-1-8, 23= 1-8, 25=22-1-8, 26= 1-8, 28=22-1-8, 32= 1-8, 31=22-1-8, 33= 1-8, 38=22-1-8, 39= -8 (LC 1), 22=104 (LC (LC 1), 24=107 (LC (LC 1), 26=274 (LC 2 (LC 1), 32=98 (LC 1), 30=96 (LC (LC 1), 32=98 (LC 1), 35=98 (LC 1), 36= 55=98 (LC 1), 30=96 (LC (LC 1), 32=98 (LC 1), 36= 5101 (LC 1), 38=81 ((LC 1), 40=29 (LC 1)	plied or s. NOTES 1) 0 oc 2) Trus 22-1-8, brac 22-1-8, 3) Gab 22-1-8, 4) Load 22-1-8, 5) Rec 22-1-8, for tf 10-0 1, 1), (0.13 1), 6) 1), 6) 1), 1) 1), 1) 1), 1) 1), 1) 1), 1) 1), 1) 10, 1) 10, 1) 10, 1) 10, 1) 10, 1) 10, 1) 10, 1) 10, 1) <	2-39=-23/ 5-36=-88/ 8-32=-89/ 11-29=-97 15-26=-26 18-23=-86 lates are 1.5x3 (ated. s to be fully sheat ed against lateral le studs spaced a d case(s) 1 has/ha gner must review he intended use o formmend 2x6 strono 0-00 oc and fastle aft X 3") nails. St eir outer ends or i ITION, Do not ere ASE(S) Standal ad + Floor Live (b te Increase=1.00 form Loads (lb/ft) /ert: 21-40=-7, 1-; ncentrated Loads	0, 3-38=7/2/0 0, 6-35=-89/0 0, 6-35=-89/0 0, 0, -31=-89/0 7/0, 12-28=-56 55/0, 16-25=-5 55/0, 19-22=-93) MT20 unles thed from one movement (i.1 t 1-4-0 oc. ave been mod loads to verify f this truss. ngbacks, on e ined to each tr trongbacks to verify f this truss. ngbacks, on e ined to each tr trongbacks to verify f this truss. ngbacks, on e ined to each tr trongbacks to cct truss backw rd alanced): Lurr 20=-67 (lb)	4-37=-92/0, 7-34=-89/0, 10-30=-87/0, i/0, 13-27=-243 4/0, 17-24=-98 i/0 s otherwise face or secure e. diagonal well fied. Building that they are of dge, spaced at uss with 3-10d be attached to other means. vards.	3/0, 5/0, by correct walls 1.00,		WITH CA	RO	
FORCES TOP CHORD BOT CHORD	(b) - Maximum C Tension 1-40=-24/0, 20-21 3-4=-7/0, 4-5=-7/(7-8=-7/0, 8-9=-7/(11-12=-7/0, 19-21 35-16=-7/0, 19-20 39-40=0/7, 38-39 35-36=0/7, 34-35 30-31=0/7, 29-30 26-27=0/7, 25-26 22-23=0/7, 21-22	l=-41/0, 1-2=-7/0, 2- 0, 5-6=-7/0, 6-7=-7/0, 0, 9-10=-7/0, 10-11= 3=-7/0, 13-15=-7/0, 2=-7/0, 13-15=-7/0, 2=-7/0, 17-18=-7/0, 0=0/7, 37-38=0/7, 36 =0/7, 32-34=0/7, 31 =0/7, 28-29=0/7, 27 =0/7, 24-25=0/7, 23 =0/7	-,	/ert: 14=-275	(~~)			Community in the	SEA 0363	L 22 EER ILBER 13,2025	and an

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 outlapse 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)

ENGINEERING BY RE

Job	Truss		Truss Type		Qt	y Ply	Sto	onefield I	Rev 3-El	ev4 v	v/crawl-Floor	
	1F6		Floor		1	1	Jo	b Refere	nce (opt	ional)		174175420
Structural, LLC,	Thurmont, MD - 21788,			Run: 25.	20 S May 13 202	5 Print: 25.2.0	S May 13 2	2025 MiTe	k Industri	es, Inc.	Thu Jun 12 12:56:5	2 Page: 1
				ID:yMy8	aKYHZRy?AoQ2I	hq?1Vz8AZe	-RfC?PsB7(0Hq3NSgF	PqnL8w3เ	ITXbGI	<pre><wrcdoi7j4zjc?f< pre=""></wrcdoi7j4zjc?f<></pre>	
			F	2-0-0								
			I		0-5-0							
		1-3-0			1.5x3 I			ŀ	1-0-8		0-1-8 	
		3x3 II 3x3 =	3x3 =	:З II	3x3 = 3x	3 =	3x3 =	3x3	" 3x4	ł =	1.5x3 I	
	-	1 2	3 4		567		8	9	10		11 	
	1-0-0											
		1	8 17	1	6 15	14					\boxtimes	
		3x6 = 3.	x3 = 3x3	= 1.	5x3 II	3x3 =		13 3x6	=		3x6 =	
					3x6 =						1.5x3 =	
				7-4-8								
				6-4-8								
		5-4	-8			<u>13-2-0</u> 5-9-8			<u>15-1</u> 2-8	<u>0-0</u> 3-0	_	
			-	1-0-0								
				1-0-0								
					15-10-0							
Scale = 1:38.3		1										
Loading	(psf) 40.0	Spacing Plate Grip DOI	1-4-0 1 00	CSI TC	0.42	DEFL Vert(LL)	in -0 08	(loc) 17-18	l/defl >999	L/d 480	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.11	17-18	>999	360		21.0.00
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IRC2021/TPI2014	WB Matrix-S	0.32	Horz(CT)	0.01	13	n/a	n/a	Weight: 79 lb	FT = 20%F, 12%E
LUMBER		•	4) CAUTION	, Do not erec	t truss backwar	ds.						
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)		LOAD CASE	(S) Standard	I							
TOP CHORD	Structural wood she 6-0-0 oc purlins.	eathing directly applie xcept end verticals.	d or									
BOT CHORD	Rigid ceiling directly bracing, Except:	y applied or 10-0-0 oc										

 6-0-0 oc bracing: 13-14,12-13.

 REACTIONS (size) 12=0-5-8, 13=0-4-8, 19=0-4-8 Max Uplift 12=-355 (LC 3) Max Grav 12=-17 (LC 4), 13=1029 (LC 1), 19=404 (LC 3)

 FORCES (lb) - Maximum Compression/Maximum

FORCES (ib) - Maximum Compression/Maximum Tension TOP CHORD 1-19=-27/0, 11-12=-35/0, 1-2=0/0,

- 2-3=-901/0, 3-4=-1223/0, 4-5=-1223/0, 5-6=-1022/0, 6-7=-1022/0, 7-8=-233/0, 8-9=0/1085, 9-10=0/1085, 10-11=-2/0 BOT CHORD 18-19=0/582, 17-18=0/1175, 16-17=0/1223, 15-16=0/1223, 14-15=0/733, 13-14=-321/0, 12-13=-575/0
- WEBS 4-17=-93/0, 5-16=-7/134, 9-13=-77/0, 2-19=-690/0, 2-18=0/388, 3-18=-335/0, 3-17=-36/204, 10-12=0/682, 10-13=-706/0, 8-13=-939/0, 8-14=0/639, 7-14=-612/0, 7-15=0/348, 6-15=0/159, 5-15=-488/0

NOTES

- Unbalanced floor live loads have been considered for this design.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 12.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

SEAL 036322 June 13,2025

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 Stonefield Rev				w/crawl-Floor	
		1F7		Floor		3	1	Job Refere	ence (opt	tional)		174175421
Structural, LLC, T	hurmont, MD - 2	21788,			Run: 25.20 S May 1	13 2025 Print:	25.2.0 S Ma	y 13 2025 MiT 2sB70Ha3NSa	ek Industri Panl 8w3i	ies, Inc	. Thu Jun 12 12:56:5 KWrCDoi7 I4z IC2f	52 Page: 1
						10021110111		abranquitog			1000000000000	
					0-5-0							
			1-3-0		H				1-0-8		0-1-8 ∐	
			2.2	22	1.5x3 II	22					1.5-2	
			3x3 3x3 =	3 21 4	3x3 =	3x3 =	3	3x4 = 3x. 8 9	3 II 3x- 10	4 =	1.5x3	
		0-0								, K		
		-									12	
			3x6=	3x3 =	16 15		14	⊠ 13]			
			3X.	3 =	1.5x3 II 3x6 =		3x4 =	3x6	6 =		3x6 =	
					7-4-8							
				6-4	-8							
			5-4-5-4-	8 8		<u>13-</u> 5-9	<u>2-0</u> 9-8		<u>15-</u> 2-8	<u>10-0</u> 8-0		
				1-0	0-0							
			I		1-0-0 15-10-0						I	
Scale = 1:38.3												
Loading		(psf)	Spacing	1-4-0	CSI	0.40 Vort	L	in (loc)	l/defl	L/d	PLATES	GRIP
TCDL		40.0	Lumber DOL	1.00	BC	0.49 Vert	CT) -0	.00 17-18	>999 >999	460 360	M120	244/190
BCDL		0.0 5.0	Code	NO IRC2021/TPI2014	Matrix-S	0.35 Horz		.02 13	n/a	n/a	Weight: 79 lb	FT = 20%F, 12%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 wc 6-0-0 oc purl Rigid ceiling bracing, Ex 6-0-0 oc brac (size) 12 Max Uplift 12 Max Grav 12	(flat) (flat) (flat) (flat) (flat) (flat) bod she ins, ex directly cept: cing: 13 2=0-5-8, 2=-383 (2=-44 (L) 2=-44 (L)	athing directly applied cept end verticals. applied or 10-0-0 oc 1-14,12-13. , 13=0-4-8, 19=0-4-8 [LC 3] C 4), 13=1085 (LC 1), C 3)	 4) Recommend 10-00-00 oc (0.131" X 3") at their outer 5) CAUTION, E LOAD CASE(S) or 1) Dead + Flo Plate Increa Uniform Lo Vert: 12- Trapezoida Vert: 21= to-6=-79 	4 2x6 strongbacks, or and fastened to each p nails. Strongbacks ends or restrained b bo not erect truss bac Standard or Live (balanced): Li ase=1.00 ads (lb/ft) 19=-7, 1-21=-67, 11- I Loads (lb/ft) 80-to-4=-80, 4=-80-, 6=-79-to-22=-79	n edge, spac n truss with 1 to be attach y other mea kwards. umber Incre 22=-67 to-5=-79, 5=	ed at 3-10d ed to walls ins. ase=1.00, 79-					
FORCES	(lb) - Maximu	um Com	pression/Maximum									
TOP CHORD	1-19=-27/0, 2-3=-958/0, 5-6=-1109/0,	11-12=- 3-4=-13 6-7=-1	35/0, 1-2=0/0, 32/0, 4-5=-1332/0, 109/0, 7-8=-238/0,									
BOT CHORD	8-9=0/1165, 18-19=0/612 15-16=0/133	9-10=0, , 17-18 2, 14-1	/1164, 10-11=-2/0 =0/1259, 16-17=0/133 5=0/779, 13-14=-357/(2,),								11.
WEBS	4-17=-112/0, 2-19=-726/0, 3-17=-4/235, 7-14=-662/0, 7-15=0/397,	5-16=- 2-18=0 8-13=- 10-12= 6-15=0	2/140, 9-13=-78/0,)/422, 3-18=-367/0, 991/0, 8-14=0/689, =0/733, 10-13=-751/0, /165, 5-15=-532/0						4	IT IT	ORTEE89	ROUN
NOTES 1) Unbalanced	d floor live loa	ds have	e been considered for							1	SEA	L
this design.2) Provide me bearing place	chanical conn te capable of	ection withsta	(by others) of truss to nding 383 lb uplift at io	int							0363	22
3) Load case(designer m for the inter	s) 1 has/have ust review loa nded use of th	been n ds to ve is truss	nodified. Building erify that they are corre	ect							A. G. June	E.P

818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F8	Floor	2	1	Job Reference (optional)	174175422

Structural LLC Thurmont MD - 21788





NOTES

TCLL

TCDL

BCLL

BCDL

WEBS

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

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



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818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F9	Floor	2	1	Job Reference (optional)	174175423

Structural LLC Thurmont MD - 21788

TCLL

TCDL

BCLL

BCDL

WEBS

1)

2)

this design.



BOT CHORD 28-29=0/747, 27-28=0/1636, 26-27=0/1840, 25-26=0/1840, 24-25=0/1054, 22-24=-637/0, 21-22=-989/0, 20-21=-363/598, 19-20=0/972, 18-19=0/719, 17-18=0/719 WEBS 4-27=-183/0, 5-26=0/183, 9-22=-74/0, 2-29=-886/0, 2-28=0/571, 3-28=-515/0 3-27=0/337. 10-22=-951/0. 10-21=0/649. 12-21=-625/0. 12-20=0/370. 14-20=-285/0. 14-19=-118/212, 8-22=-1228/0, 8-24=0/911, 7-24=-883/0. 13-20=-32/0. 15-18=-12/0.

15-19=-211/179, 15-17=-1329/0, 7-25=0/615, 6-25=0/210, 5-25=-772/0 NOTES

Unbalanced floor live loads have been considered for

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



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Edenton, NC 27932

			-											
Job	Truss		Truss Type	е		Qt	у	Ply	Stonefie	d Rev 3	B-Elev 4	w/crawl-Floor		
	1F10		Floor			4		1	Job Ref	erence (optional)		174175	424
Structural, LLC, Thurmont, N	ID - 21788,				Run: 25.20 S	May 13 202	5 Print: 2	25.2.0 S May	/ 13 2025 N	/iTek Indu	istries, Inc	c. Thu Jun 12 12:5	6:53	Page: 1
					ID:kn79El4xfS	y_vJeSBscr	hHz8A)	(f-RfC?PsB7	0Hq3NSgF	qnL8w3u	ITXbGKW	/rCDoi7J4zJC?f		
			2-0-0	I								1-4-1	1.	
													.⊣ 0-3-5	
	1-3-0			H				1-1-4					Ĥ	
								3	х3 и					
								3x6 FP					3x3 II	
3	кЗ II	1.	5x3 II	1.5x3 u	_	4x4 =	3x3 II	4x6=				1.5x3 u	4x6 =	
- م	2 1	3 31	4 M	5 632	7	8 	9	10 11 1	2 1 • J	3	14	1 15	16 <u>1</u> 7 কিন্যাল	
1-0-(
		29 2	:8	27 26	25	24	Ř	2	2	2	1	20	19	
	3x6 =			1.5x3 u	4x4 =		23	4	x10 =			3x6 =	3x3 II	
				3x6 =		3x6 FP							4x6=	
						MT	20HS 3x	8 =						
			7-4-	8										
			6-4-8											
ł		5-4-8	+ +		13-2-0		-			23-2-	4			
I		5-4-8	1-0-0	1	5-9-8		I			10-0-	-4		I	
			10	0										
L			1-0-	0	23	3-2-4								
Scale = 1:44.9														
Plate Offsets (X, Y): [18	Edge,0-1-8	3]				-			-		-			
Loading	(psf)	Spacing	1-4-0		CSI		DEFL	-	in (loo	c) l/de	fl L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00		TC	0.77	Vert(I	LL) -0.	08 28-2	9 >99	9 480	MT20	244/190	
BCLL	0.0	Rep Stress Incr	NO		WB	0.90	Horz(CT) -0.	02 1	9 >99 8 n/	a n/a	WI120H3	107/143	
BCDL	5.0	Code	IRC2021/T	PI2014	Matrix-S							Weight: 120 I	b FT = 20%	%F, 12%E
LUMBER			4) L	oad case(s) 1 has/have bee	en modifie	d. Build	ing						
TOP CHORD 2x4 SP I BOT CHORD 2x4 SP I	lo.2(flat)		C fi	esigner mu	st review loads f ded use of this tr	to verify that russ.	at they	are correct	I					
WEBS 2x4 SP I	lo.3(flat)		5) F	Recommend	2x6 strongback	ks, on edge	e, space	ed at						
		othing directly and "	1 Lor (0.131" X 3")	and tastened to nails. Strongba	each truss acks to be	s with 3 attache	-10d ed to walls						
6-0-0 oc	n wooa she purlins, ex	cept end verticals.		at their outer	ends or restrain	ned by othe	er meai	ns.						
BOT CHORD Rigid ce	ling directly	applied or 10-0-0 oc	6) (LOA	DAUTION, L D CASE(S)	o not erect trus: Standard	s dackwar	as.							
6-0-0 oc	bracing: 23	3-25,22-23.	1)	Dead + Flo	or Live (balance	d): Lumbe	r Increa	ase=1.00,						
REACTIONS (size)	18=0-4-8	, 23=0-4-8, 30=0-4-8	4)	Plate Increa Uniform Lo	ase=1.00 ads (lb/ft)									
Max Grav	30=489 ((LC 4), 23=1649 (LC 1 LC 3)	1),	Vert: 18-	30=-7, 1-31=-67	′, 31-32 = -1	33, 17	-32=-67						
FORCES (lb) - Ma Tension	ximum Cor	npression/Maximum		Concentrat Vert: 12=	ed Loads (lb) 452, 16=-867									



WEBS

TOP CHORD

BOT CHORD

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

All plates are MT20 plates unless otherwise indicated. 2)

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

19-20=0/742, 18-19=0/742

1-30=-28/0, 17-18=-11/0, 1-2=0/0, 2-3=-1157/0, 3-4=-1699/0, 4-5=-1699/0, 5-6=-1358/0, 6-7=-1358/0, 7-8=-115/392, 8-9=0/1926, 9-10=0/1926, 10-12=-950/0, 12-13=-947/0, 13-14=-1291/0,

14-15=-1130/0, 15-16=-1130/0, 16-17=0/0 29-30=0/716, 28-29=0/1546, 27-28=0/1699, 26-27=0/1699, 25-26=0/843, 23-25=-907/0,

22-23=-734/0, 21-22=0/1240, 20-21=0/1315,

4-28=-162/0, 5-27=0/215, 9-23=-101/0, 2-30=-849/0, 2-29=0/539, 3-29=-475/0,

8-25=0/947, 7-25=-920/0, 16-19=-10/0, 12-22=-510/0, 13-22=-451/0, 10-22=0/1318, 16-18=-1379/0, 15-20=-80/0, 16-20=0/445, 7-26=0/648, 6-26=0/238, 5-26=-854/0

3-28=0/276, 10-23=-1578/0, 13-21=0/161, 14-21=-128/0, 14-20=-223/70, 8-23=-1251/0,





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818 Soundside Road Edenton, NC 27932

Job	Tr	russ	Truss Type		Qty	Ply	Stonefield	Rev 3-Ele	ev4 w	/crawl-Floor	
	16	F16	Floor		2	1	. Ioh Refere	nce (onti	ional)		174175425
Structural, LLC	C, Thurmont, MD - 2178	88,	•	Run: 25.20 S May	13 2025 Print: 25	5.2.0 S May	13 2025 MiTe	ek Industrie	es, Inc. 1	Thu Jun 12 12:56:5	53 Page: 1
	0-1-8 ∦ <u>1-3</u>	3-0	<u>2-0-0</u> 0-5-0 ⊢	ID:d/1VotC?wvwB	S5q1rAct8∠z85kL	0-11-	70нqзNSgPq 12 	nL8w3uIT)	XDGKWI	rcDoi/J4zJC?t	0-9-8
	1.5x3 II 1 30 	2 3 1 2 2 28	1.5x3 II 1.5x3 4 5 6 27 26 25 1.5x3 II 3x6 7-4-8	7 24 23 3x6 FP 3x4 =	3x4 = 3x3 II 8 9 1 22 4x8 =	6x8 = 0 11	3x3 II 12 13 12 21 5x10 =	3 19 20	1	1.5x3 II 4 15 * 19 3x6 =	3x4= 3x3 II 16 17 18 3x6=
		<u>5-4-8</u> 5-4-8	6-4-8 	<u>13-2-0</u> 5-9-8				<u>23-2</u> - 10-0-	-4 -4		
Scale = 1:44.3	3		1-0-0	23-	2-4						———————————————————————————————————————
Loading TCLL TCDL BCLL BCDL	(ps 40. 10. 0. 5.	sf) Spacing 0.0 Plate Grip DOL 1.0 Lumber DOL 1.0 Rep Stress Incr 0.0 Code	1-4-0 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.84 Vert(LL 0.76 Vert(C 0.95 Horz(C	_) -0. T) -0. ST) 0.4	in (loc) 08 27-28 11 27-28 02 18	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 117 lb	GRIP 244/190 FT = 20%F, 12%E
LUMBER TOP CHORE BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE REACTIONS	 2x4 SP No.2(fla 2x4 SP No.2(fla 2x4 SP No.3(fla 2x4 SP No.3(fla 2x4 SP No.3(fla 3x4 SP No.3(fla 	at) at) at) d sheathing directly applie s, except end verticals. rectly applied or 6-0-0 oc 0-4-8, 22=0-4-8, 29=0-5-8 588 (LC 4), 22=2005 (LC 1	4) Recommend 10-00-00 oc (0.131" X 3", at their outer 5) CAUTION, E LOAD CASE(S) d or 1) Dead + Flo Plate Increa: Uniform Lo Vert: 18- Concentrat 1), Vert: 18-	2x6 strongbacks, or and fastened to eac nails. Strongbacks ends or restrained to to not erect truss bar Standard or Live (balanced): L ase=1.00 ads (lb/ft) 29=-7, 1-17=-67 ed Loads (lb) 58, 12=-1141	n edge, spaced h truss with 3-1 to be attached by other means ckwards. .umber Increas	d at 10d 1 to walls s. ee=1.00,			•		
FORCES	29=3 (Ib) - Maximum	358 (LC 3) Compression/Maximum									
TOP CHORE	Tension 1-29=-26/0, 17- 2-3=-784/0, 3-4: 5-6=-650/352, 6 8-9=0/1935, 9-1 12-13=-2160/0, 14-15=-1142/0, 28-29=0/518, 2: 25-26=-152/937 22-23=-1107/0, 20-21=0/2144, 4-27=-32/66, 5- 2-29=-612/0, 2- 3-27=-233/26, 1 13-21=-86/160, 14-19=-596/0, 1 8-22=-1026/0, 8	18=-21/0, 1-2=-2/0, =-937/152, 4-5=-937/152 6-7=-650/352, 7-8=0/760, 11=0/1935, 11-12=-2172/0, 13-14=-1906/0, 15-16=-1142/0, 16-17=0, 7-28=0/992, 26-27=-152/5, 7, 23-25=-531/305, 21-22=-11/678, 19-20=0/1637, 18-19=0/5, 26=0/237, 9-22=-108/0, 28=0/324, 3-28=-255/58, 11-22=-2446/0, 13-20=-291/0, 14-20=0/3, 16-19=0/741, 16-18=-726, 8-23=0/740, 7-23=-715/0,	, 0 337, 25 27, 0,					- Muni		HTH CA	ROUNT
NOTES 1) Unbaland this desig 2) All plates 3) Load cas designer for the int	12-21=-1182/0, 7-25=0/443, 6-2 gn. s are 3x3 (=) MT20 se(s) 1 has/have be must review loads tended use of this t	, 11-21=0/1992, 15-19=-6: 25=0/250, 5-25=-751/0 have been considered for unless otherwise indicate een modified. Building to verify that they are cor truss.	5/0, r ed. rect					THURSEN,		0363	22 ILBERTITION 13,2025

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 outlapse 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)



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Job	Т	russ		Trus	s Type			Qt	у	Ply	Stonefield	Rev 3-El	ev 4	w/crawl-Floor		
	1	F15		Floo	or			6		1	Job Refer	ence (onti	onal)		1/4175426	
Structural, LLC, Thu	urmont. MD - 217	788.		_!		Ru	In: 25.20 S N	/av 13 202	5 Print:	25.2.0 S Ma	13 2025 MiT	ek Industri	es. Inc	. Thu Jun 12 12:56	3:53 Page: 1	1
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	0.4.0															
	0-1-8 H			\vdash	2-0-0											
	 	3-0			0-5-0))-9-4		1-0-0	
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	1	2	3	4	5.6	57 57		8	9	10 11	1	12 13	3 1	4	15 16	
-3-8 ⊤-3	_ 이 30			8		2	<u> </u>		9	<u>-</u> k			Я			
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			28	27	26 2	5	24	23	X		21	20) 1	9 18	\boxtimes	
					1.5x3		3x4 =		22		3x4 =	3)	:6 =		3x6 =	
	1.5x3 =				3	×6 =		3x6 FP	3x6	=			3	8x3 u		
	3x6 =															
					7-4-8											
				6-	4-8											
	<u> </u>		5-4-8				13-2-0					23-2	4			
			5-4-8	, 1-	0-0		5-9-8		•			10-0	4		·	
				·	100											
	I				1-0-0			23-2-4							1	
Scale = 1:44.3								-								
Loading	(p	ef)	Spacing	1_1_(<u>ר</u>	C SI			DEEL		in (loc)	l/defl	L/d		CPIP	
TCLL	(p: 40	0.0 F	Plate Grip DOL	1.00	5	TC		0.54	Vert(- LL) -0	.08 27-28	>999	480	MT20	244/190	
TCDL	10).0 L	Lumber DOL	1.00		BC		0.67	Vert(CT) -0	.11 27-28	>999	360			
BCLL BCDI	C	0.0 F 5.0 C	Rep Stress Incr	NO IRC2	2021/TPI2014	WB	rix-S	0.32	Horz	(CT) 0	.02 17	n/a	n/a	Weight [,] 117 lb	FT = 20%F 12%	%F
					2) and and			n modifie	ما الم	ling						
TOP CHORD 2	2x4 SP No.2(fla	at)			designer	must revi	ew loads to	o verify th	at they	are correc	t					
BOT CHORD 2	2x4 SP No.2(fla	at)			for the int	ended us	e of this tru	uss.		ad at						
OTHERS 2	2x4 SP No.3(fla 2x4 SP No.3(fla	at) at)			4) Recomm 10-00-00	oc and fa	astened to e	each trus	s with 3	B-10d						
BRACING	(-				(0.131" X	3") nails.	Strongba	cks to be	attache	ed to walls						
TOP CHORD	Structural wood	d sheath	ning directly appli nt end verticals	ed or	5) CAUTION	I, Do not	erect truss	backwar	ds.	115.						
BOT CHORD	Rigid ceiling di	rectly ap	oplied or 6-0-0 oc		LOAD CASE	(S) Star	ndard									
	bracing.	1 1 0 2	2-0 4 8 20-0 5 9	D	 Dead + Plate In 	Floor Live crease=1.	e (balancec .00	i): Lumbe	r Increa	ase=1.00,						
M	ax Grav 17=4	482 (LC	4), 22=1130 (LC	1),	Uniform	Loads (It	o/ft)									
FORCES	29=4	400 (LC	3)		Vert: Concen	rated Log	, 1-16=-67 ads (lb)									
FURCES (וט) - ועומגושעm Tension	Compre	ession/iviaximum		Vert:	14=-201,	17=-58									
TOP CHORD 1	1-29=-25/0, 16-	-17=-11	/0, 1-2=-2/0,													
2	2-3=-901/0, 3-4 5-6=-1024/0, 6·	+=-1225/ -7=-102	/0, 4-5=-1225/0, 4/0, 7-8=-236/26	9,												
8	3-9=0/1340, 9- ⁻	11=0/13	340, 11-12=-465/3	368,												
1	12-13=-1117/0, 15-16=0/0	, 13-14=	=-1117/0, 14-15=	-002/0,												
BOT CHORD 2	28-29=0/582, 2	27-28=0/	/1176, 26-27=0/1	225,												
2	23-20=0/1225, 22-24=-557/0, 2	∠4-25=- 21-22=-	- 101/736, 693/13,											min	unn.	
2	20-21=-67/896	, 19-20=	=0/1246, 18-19=0	/1246,									jî,	"TH CA	ARO	
1 WEBS 4	17-18=0/521 4-27=-75/24, 5-	-26=0/1	73, 9-22=-71/0.										e"	ORIES	ia: Inil	
2	2-29=-688/0, 2-	-28=0/3	89, 3-28=-336/0,	1050									in	COT C	This	1
3	3-27=-109/150, 12-21=-625/0	, 11-22= 12-20=0	=-953/0, 11-21=0/)/368, 14-18=-433	650, 3/0,								-4		:2	· ·	2
1	15-18=0/441, 1	5-17=-6	60/0, 8-22=-972	/0,								E		SEA	AL :	111
8 1	3-24=0/669, 7-2 14-19=-5/0, 13-	24=-641 -20=-14	1/0, 7-25=0/375, /0, 14-20=-258/0									Ξ		0363	322 :	Ξ
e	6-25=0/192, 5-2	25=-586	6/0	,								Ξ	1			Ξ

NOTES

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

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



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818 Soundside Road Edenton, NC 27932

REN

CΩ

Job	Truss 1F14	Truss Type Floor	Qty 1	Ply 1	Stonefield Rev 3-Elev 4 w/crawl-Floor	174175427
Structural, LLC, Thurmont, MD - 2	21788,	Run: 25.20 S May 13	2025 Print: 2	25.2.0 S May	13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:53	Page: 1



-0.11

0.02

27-28

17

360

Weight: 117 lb FT = 20%F, 12%E

>999

n/a n/a

BC

TCDL		10.0	Lumber DOL	1.00		BC	0.66	Vert(CT)	-0
BCLL		0.0	Rep Stress Incr	NO		WB	0.32	Horz(CT)	0
BCDL		5.0	Code	IRC202	1/TPI2014	Matrix-S			
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Structura 6-0-0 oc I Rigid ceil bracing.	o.2(flat) o.2(flat) o.3(flat) o.3(flat) I wood shea ourlins, ext ing directly	athing directly applie cept end verticals. applied or 6-0-0 oc	4) 5) L(ed or 1)	Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D OAD CASE(S) Dead + Flor Plate Increa Uniform Loc Vert: 17-2	2x6 strongbac and fastened to nails. Strongb ends or restra bo not erect trus Standard or Live (balanc ase=1.00 ads (lb/ft) 29=-7, 1-16=-6	ks, on edge b each truss backs to be ined by othe ss backward ed): Lumbe	y, spaced at y with 3-10d attached to v or means. ds. r Increase=1	walls
REACTIONS	(size) Max Grav	17=0-4-8, 17=385 (L 29=403 (L	22=0-4-8, 29=0-5-8 .C 4), 22=1097 (LC .C 3)	8 1),	Concentrate Vert: 14=	ed Loads (lb) 133			
FORCES	(lb) - Max Tension	imum Com	pression/Maximum						
TOP CHORD	1-29=-25, 2-3=-909, 5-6=-105 8-9=0/129 12-13=-99 15-16=0/0	/0, 16-17=- /0, 3-4=-12- 1/0, 6-7=-1(97, 9-11=0/ 87/0, 13-14	11/0, 1-2=-2/0, 45/0, 4-5=-1245/0, 051/0, 7-8=-271/234 1297, 11-12=-421/4 =-987/0, 14-15=-77	4, 13, 8/0,					
BOT CHORD	28-29=0/ 25-26=0/ 21-22=-6 19-20=0/	587, 27-28= 1245, 24-25 95/10, 20-2 1084, 18-15	=0/1190, 26-27=0/12 5=-70/767, 22-24=-5 1=-153/809, 9=0/1084, 17-18=0/4	245, 518/0, 472					
WEBS	4-27=-78, 2-29=-69; 3-27=-10; 12-21=-5; 15-18=0/; 8-24=0/66; 13-20=-14	/21, 5-26=0 3/0, 2-28=0 0/159, 11-2 74/0, 12-20 375, 15-17= 64, 7-24=-6 4/0, 14-20=	/168, 9-22=-71/0, /394, 3-28=-342/0, 2=-899/0, 11-21=0// =0/314, 14-18=-363 =-597/0, 8-22=-968// 36/0, 14-19=-3/0, 216/0, 7-25=0/371	- 599, 3/0, 0,					

NOTES

TCLL

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

6-25=0/188, 5-25=-574/0

- 2) All plates are 3x3 (=) MT20 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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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F13	Floor	2	1	Job Reference (optional)	174175428

TCLL

TCDI

BCLL

BCDL

1)

2)



Page: 1

mm June 13,2025

818 Soundside Road

Edenton, NC 27932



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Job	Truss Truss Type		C		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F12	Floor		1	1	Job Reference (optional)	174175429
Structural, LLC, Thurmont, MD - 2	21788,	Run: 25.20 \$	S May 13	2025 Print: 2	25.2.0 S May	13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:53	Page: 1





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	0.51	Vert(LL)	-0.08	28-29	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.66	Vert(CT)	-0.11	28-29	>999	360		
BCLL	0.0	Rep Stress Incr	NO		WB	0.31	Horz(CT)	0.02	23	n/a	n/a		
BCDL	5.0	Code	IRC2021	/TPI2014	Matrix-S							Weight: 119 lb	FT = 20%F, 12%E
			2)		1 haa/haya haan	modified	h Duilding						
LUMBER	0		3)	Luau case(s)	t roviow loads to	vorify the	a. Building	orroct					
	2x4 SP No.2(flat)			for the intend	ad use of this true		at they are co	JIIECI					
BUICHURD	2x4 SP No.2(liat)		4)	Recommend	2v6 stronghacks	on edae	snaced at						
OTLIEDS	2x4 SP No.3(IIal)			10-00-00 oc #	and fastened to e	ach truss	with 3-10d						
DRAGNIC	2X4 SF 110.3(11at)			(0 131" X 3")	nails Strongback	ks to be	attached to v	valls					
BRACING	0		- I	at their outer	ends or restrained	d by othe	er means.	, and					
TOP CHORD	Structural wood shea	atning directly applie	a or 5)	CAUTION. D	o not erect truss b	ackward	ds.						
	6-0-0 oc puriins, exc	cept end verticals.	ĹŐ	AD CASE(S)	Standard								
BUICHURD	kigia celling alrectly	applied of 6-0-0 oc	1)	Dead + Flor	or Live (balanced)	·Lumbei	r Increase=1	00					
DEACTIONS		22 0 4 0 20 0 5 0	• • • • • • • • • • • • • • • • • • • •	Plate Increa	ise=1.00	. Lamboi		.00,					
REACTIONS	(SIZE) 18=0-4-8,	23=0-4-8, 30=0-5-8	0	Uniform Loa	ads (lb/ft)								
	1012X G12V 18=336 (L	.C 4), 23=1095 (LC 1	1),	Vert: 18-3	30=-7. 1-17=-67								
500050	30=405 (L			Concentrate	ed Loads (lb)								
FORCES	(ID) - Maximum Com	pression/iviaximum		Vert: 12=	-71, 16=-13								
	1 20_ 25/0 17 18_0	15 1 2 2/0 2 2 01	16/0		,								
IOF CHORD	1-30=-23/0, 17-10=0 2 4- 1262/0 4 5- 12	75, 1-2=-2/0, 2-3=-91 262/0 5 6- 1074/0	10/0,										
	5-4=-1262/0, 4-5=-12 6-71074/0 7-83	202/0, 5-0=-1074/0, 20/206, 8-0=0/1256											
	9-10-0/1256 10-12-	481/374											
	12-13-480/375 13-	401/374, 14793/101											
	14-15=-605/0 15-16	=-605/0 16-17=0/0											
BOT CHORD	29-30=0/591 28-29=	=0/1201 27-28=0/12	62										
201 0110112	26-27=0/1262, 25-26	6-45/792. 23-25=-48	87/0.									minin	1111.
	22-23=-663/25, 21-2	2=-210/754,	,									W'TH CA	Rolly
	20-21=-19/806, 19-2	0=0/217, 18-19=0/2	18								1	R	
WEBS	4-28=-80/19, 5-27=0	/164, 9-23=-91/0,									1.	O' FESS	dia Ville
	2-30=-698/0, 2-29=0	/398, 3-29=-347/0,								6	25	12 /	1 ille
	3-28=-93/166, 10-23	=-868/0, 13-21=0/14	16,									.0	T: -
	14-21=-114/0, 14-20	=-241/53, 8-23=-956	6/0,									OFA	r 1 E
	8-25=0/660, 7-25=-6	32/0, 12-22=-135/0,										SEA	4 <u>8</u> E -
	10-22=0/656, 13-22=	-429/0, 16-19=0/9,								1		0363	22 : =
	15-20=-74/0, 16-20=	0/446, 16-18=-405/0),							-			- : :
	7-26=0/366, 6-26=0/	186, 5-26=-564/0								-	-	N	1 2
NOTES											- 1	N. En	CRIX S
1) Unbalance	ed floor live loads have	been considered for	r								20	GINE	E AN
this design	n.										11	1C	BEIN
All plates a	are 3x3 (=) MT20 unle	ss otherwise indicate	ed.									11, A. G	ILLIN
												100000	TILL.

June 13,2025



Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F11	Floor	1	1	Job Reference (optional)	174175430

Structural LLC Thurmont MD - 21788

TCLL

TCDL

BCLL

BCDL

WEBS

BRACING

TOP CHORD

BOT CHORD

REACTIONS

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

1)

2)

FORCES

bracing.

Max Grav

Tension

18-19=0/631

(size)

Structural wood sheathing directly applied or

18=0-4-8, 23=0-4-8, 30=0-5-8

18=997 (LC 4), 23=1715 (LC 1),

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

30=374 (LC 3)

13-14=-1697/0, 14-15=-1207/0, 15-16=-1207/0, 16-17=0/0

(lb) - Maximum Compression/Maximum

1-30=-28/0, 17-18=-6/0, 1-2=0/0, 2-3=-817/0, 3-4=-1019/70, 4-5=-1019/70, 5-6=-757/246, 6-7=-757/246, 7-8=0/621, 8-9=0/1765, 9-10=0/1765, 10-12=-1685/0, 12-13=-1680/0,

29-30=0/537, 28-29=0/1045, 27-28=-70/1019, 26-27=-70/1019, 25-26=-409/428, 23-25=-951/0, 22-23=-269/420,

21-22=0/1804, 20-21=0/1561, 19-20=0/631,

14-21=0/166. 14-20=-425/0. 8-23=-1010/0.

8-25=0/720, 7-25=-694/0, 12-22=-812/0, 13-22=-251/0. 10-22=0/1649. 15-20=-77/0.

16-19=-2/1, 16-20=0/662, 16-18=-1172/0, 7-26=0/423, 6-26=0/234, 5-26=-705/0

Unbalanced floor live loads have been considered for

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

4-28=-44/54, 5-27=0/219, 9-23=-101/0, 2-30=-637/0, 2-29=0/342, 3-29=-277/35 3-28=-198/61, 10-23=-1939/0, 13-21=-130/0,

Rigid ceiling directly applied or 6-0-0 oc

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries. Inc. Thu Jun 12 12:56:53 Page: 1 ID:6IWSKo4cp2bpAdvMsbcqFGz85xH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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

LOAD CASE(S) Standard

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

Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 18-30=-7, 1-17=-67

Concentrated Loads (lb)

Vert: 12=-760, 16=-570



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

Job	Truss	Truss Type	Qty Ply		Stonefield Rev 3-Elev 4 w/crawl-Floor			
	1FGE5	Floor Supported Gable	1	1	Job Reference (optional)	174175431		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 ID:fPTvHzu7SjP3b_tNndhd1nz85oV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1 1-4-0 6-11-4 1-4-0 1-7-4





Scale = 1:19.4

Loading TCLL TCDL		(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.07 0.02	DEFL Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL		0.0 5.0	Rep Stress Incr Code	NO IRC2021/TPI2014	WB Matrix-R	0.02	Horiz(TL)	0.00	7	n/a	n/a	Weight: 30 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No. 2x4 SP No. 2x4 SP No. 2x4 SP No. 2x4 SP No. Structural V 6-0-0 oc pu Rigid ceilin bracing. (size)	.2(flat) .2(flat) .3(flat) .3(flat) .3(flat) wood shea Jrlins, exc g directly 7=6-11-4, 10=6-11-4 7=208 (LC (LC 1), 10: 1) 12=45	athing directly applie ept end verticals. applied or 10-0-0 or 8=6-11-4, 9=6-11-4 , 11=6-11-4, 12=6-1 ; 1), 8=107 (LC 1), 1 =100 (LC 1), 11=91 (I C 1)	Concentrat Vert: 6=- ed or c l, 11-4 9=95 (LC	ed Loads (lb) 156								
FORCES TOP CHORD BOT CHORD	(lb) - Maxin Tension 1-12=-39/0 3-4=-12/0, 11-12=0/12	num Comp , 6-7=-204 4-5=-12/0 2, 10-11=0	4/0, 1-2=-12/0, 2-3= , 5-6=-12/0)/12, 9-10=0/12,	-12/0,									
WEBS	8-9=0/12, 7 2-11=-85/0	7-8=0/12 , 3-10=-91	1/0, 4-9=-86/0, 5-8=	-97/0									
NOTES 1) Gable requ 2) Truss to be braced aga 3) Gable stud 4) Load casel designer m for the inte 5) Recommer 10-00-00 o (0.131" X 3 at their out LOAD CASE(5 1) Dead +F Plate Incr Uniform L Vert: 7-	uires continua e fully sheath ainst lateral m (s) 1 has/hav hust review lo nded use of nd 2x6 strong c and fasten 3") nails. Stru- ter ends or re S) Standarc loor Live (ba case=1.00 Loads (lb/ft) -12=-7, 1-6=:	ous botton led from o novement 1-4-0 oc. ve been m bads to ve this truss. gbacks, or eld to eact ongbacks sstrained b J lanced): L -67	n chord bearing. ne face or securely (i.e. diagonal web). odified. Building rify that they are con n edge, spaced at h truss with 3-10d to be attached to w by other means. umber Increase=1.0	rrect alls 00,						Canal and a second		SEA 0363	ROMUS L 22 ILBER ILBER III 13,2025

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	1F1	Floor	8	1	Job Reference (optional)	174175432

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:50 Page: 1 ID:GKioSA?XOvPBzVmb13jKxIz86CA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 14-4-8

Scale = 1:38.4

														_
Loadi TCLL TCDL BCLL BCDL	ing	(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	0.47 0.97 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.19 -0.26 0.05	(loc) 14-15 14-15 11	l/defl >886 >641 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 72 lb	GRIP 244/190 FT = 20%F, 12%E	
LUME	BER													-
TOP (3OT (WEBS OTHE	CHORD CHORD S RS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)												
BRAC TOP (CING CHORD	Structural wood she	athing directly applie	ed or										
BOT	CHORD	Rigid ceiling directly bracing, Except: 2-2-0 oc bracing: 14	applied or 10-0-0 oc -15.	;										
REAC	TIONS	(size) 11=0-4-8, Max Gray, 11=777 (I	18=0-5-8 C 1) 18=771 (LC 1)											
FORC	ES	(lb) - Maximum Com	pression/Maximum	,										
TOP (CHORD	1-18=-36/0, 10-11= 2-3=-1852/0, 3-4=-2 5-6=-3082/0, 6-7=-2 8-9=-1853/0, 9-10=0	40/0, 1-2=-3/0, 892/0, 4-5=-2892/0, 892/0, 7-8=-2892/0, 0/0											
вот (CHORD	17-18=0/1137, 16-17 14-15=0/3082, 13-14 11-12=0/1138	7=0/2526, 15-16=0/3 4=0/3082, 12-13=0/2	3082, 2526,										
NEB	6	5-15=-111/138, 6-14 2-17=0/873, 3-17=-8 4-16=-113/123, 9-11 8-12=-822/0, 8-13=0 6-13=-581/69, 5-16=	l=-111/138, 2-18=-13 323/0, 3-16=0/440, =-1349/0, 9-12=0/87 0/440, 7-13=-113/123 581/69	345/0, 73, 3,							-AL	NITH CA	ROLIN	
NOTE	s										SE		Ni. Sit	
1) U th	nbalance	ed floor live loads have	been considered fo	r								. 9	-a-l	
2) R 1((0	ecomme 0-00-00 c 0.131" X 3	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks	n edge, spaced at h truss with 3-10d to be attached to wa	alls						11111		SEA 0363	L 22	
a1 3) C	AUTION,	, Do not erect truss ba	by other means. ckwards.							-			al. 3	

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	1FGE7	Floor Supported Gable	2	1	Job Reference (optional)	174175433	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:54 ID:ALhIFTR8IUHTTfpimSwpbnz8?xM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







1-7-8 1-7-8

Scale = 1:26

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.11 0.02 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 10 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	Structural wood s 1-7-8 oc purlins,	Structural wood sheathing directly applied or 1-7-8 oc ourlins, except end verticals.										
BOT CHORD	Rigid ceiling direc bracing.	tly applied or 10-0-0 o	C									
REACTIONS	(size) 3=1-7-8 Max Grav 3=69 (L	3, 4=1-7-8 .C 1), 4=69 (LC 1)										
FORCES	(lb) - Maximum Co Tension 1-4=-63/0, 2-3=-6	ompression/Maximum 3/0, 1-2=-4/0										
BOT CHORD	3-4=0/4											

BOT CHORD

WEBS

NOTES

Gable requires continuous bottom chord bearing. 1)

2-4=0/0

Truss to be fully sheathed from one face or securely 2)

braced against lateral movement (i.e. diagonal web). 3)

Gable studs spaced at 1-4-0 oc. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls

at their outer ends or restrained by other means.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	2F1	Floor	1	1	Job Reference (optional)	174175435	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:55 Page: 1 ID:ia2uyfFxEj1l2SmlVonXYnzuzNM-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





1-0-0 15-6-0

Scale = 1:37.5

Plate Offsets (X, Y): [16:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.70 0.50 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.17 0.02	(loc) 14-15 14-15 12	l/defl >999 >916 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 82 lb	GRIP 244/190 FT = 20%F, 12	2%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)	all in all and the set	4) Recomn 10-00-00 (0.131" 2 at their o 5) CAUTIC LOAD CASI	end 2x6 strongbacks 0 oc and fastened to e < 3") nails. Strongbac outer ends or restraine N, Do not erect truss E(S) Standard	, on edge ach truss ks to be a ed by othe backward	e, spaced at s with 3-10d attached to w er means. ds.	alls						
BOT CHORD	6-0-0 oc purlins, exc Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 18	cept end verticals. applied or 10-0-0 or -19 17-18											
REACTIONS	(size) 12=0-3-8, Mechanica Max Uplift 19=-379 (I Max Grav 12=638 (L 19=6 (I C	18=0-3-8, 19= al LC 4) .C 4), 18=1326 (LC 3)	1),										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-19=-56/0, 11-12=- 3-4=0/895, 4-5=-667 6-7=-1660/0, 7-8=-11 9-10=-1223/0, 10-11	34/0, 1-2=0/0, 2-3=0 /0, 5-6=-1660/0, 808/0, 8-9=-1808/0, =-2/0)/894,										
BOT CHORD	18-19=-519/0, 17-18 16-17=0/1301, 15-16 13-14=0/1637 12-13	=-102/143, 6=0/1660, 14-15=0/1 8=0/783	1660,								"TH CA	RO	
WEBS	3-18=-79/0, 6-16=-3: 2-19=0/651, 2-18=-6 4-17=0/767, 5-17=-8 10-12=-979/0, 10-13 9-14=0/218, 8-14=-1	76/0, 7-15=-200/0, (45/0, 4-18=-1183/0, (26/0, 5-16=0/686, (=0/573, 9-13=-539/0) 77/0, 7-14=-103/290	, 0, 6						Contraction of the second	in	O FÉSO SEA	L	Ann
NOTES 1) Unbalance	ed floor live loads have	been considered fo	or						1111		0363	22	1111
this design 2) Refer to g 3) Provide m	n. irder(s) for truss to trus iechanical connection (s connections. by others) of truss to	0								S. ENGIN	EERA	1111

bearing plate capable of withstanding 379 lb uplift at joint 19.



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Job	Truss Truss Type		Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	2F2	Floor	1	1	Job Reference (optional)	174175436	

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

1)

REACTIONS (size)

bracing

Max Grav

Tension

Max Uplift 25=-49 (LC 4)

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries. Inc. Thu Jun 12 12:56:55 ID:Nxmr3T?yqAKa_CQ?B_nN9SzuzEe-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



(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



Structural wood sheathing directly applied or

15=0-3-8, 22=0-3-8, 25=0-3-8

15=643 (LC 4), 22=1287 (LC 1),

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

25=276 (LC 3)

1-25=-33/0, 14-15=-34/0, 1-2=-2/0, 2-3=-318/218, 3-4=0/622, 4-5=0/622, 5-6=0/918, 6-8=-718/0, 8-9=-1695/0, 9-10=-1695/0, 10-11=-1832/0, 11-12=-1832/0,

12-13=-1235/0, 13-14=-2/0

16-17=0/1655 15-16=0/789

Unbalanced floor live loads have been considered for

10-17=-99/315

24-25=-86/308. 23-24=-387/292. 22-23=-918/0, 20-22=-119/133.

(lb) - Maximum Compression/Maximum

19-20=0/1344, 18-19=0/1695, 17-18=0/1695,

5-22=-531/0. 9-19=-383/0. 10-18=-207/0.

3-23=-551/0, 6-22=-1188/0, 6-20=0/771,

8-20=-830/0, 8-19=0/701, 13-15=-987/0, 13-16=0/581, 12-16=-547/0, 12-17=0/225,

4-23=-81/0, 5-23=0/586, 11-17=-182/0,

2-25=-384/108, 2-24=-172/13, 3-24=0/221,

Rigid ceiling directly applied or 6-0-0 oc



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F20	Floor	1	1	Job Reference (optional)	174175437

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:57 ID:Ffu3DHqIJG3BpHGeQDRPi6zuz76-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-3-0 0-8-0 3x3 II 3x6 =





1-2-0

3x3 =

3x3 II



Scale = 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	TC	0.25	Vert(LL)	0.00	5-6	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	5-6	>999	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	4	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 23 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)												
BRACING													
TOP CHORD	Structural wood shea	athing directly applie	ed or										

3-8-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc BOT CHORD

	bracing.	
REACTIONS	(size)	4=0-3-8, 6= Mechanical
	Max Grav	4=188 (LC 1), 6=188 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-6=-40/0	0, 3-4=-191/0, 1-2=0/0, 2-3=-82/0
BOT CHORD	5-6=0/180	0, 4-5=0/0
WEBS	2-6=-226	/0, 2-5=-128/0, 3-5=0/136

NOTES

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

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	Stonefield Rev	3-Elev 4 w/crav	wl-Floor	
	2F4		Floor		2	1	Job Reference	(optional)		174175438
Structural, LLC, 7	Thurmont, MD - 21788,			Run: 25.20 S Ma	y 13 2025 Print:	25.2.0 S May	/ 13 2025 MiTek Ind	ustries, Inc. Thu J	lun 12 12:56:55	Page: 1
	1-3-0 $3x3 = 1$ 2 7 7 7 $3x6 = 3$	1. 3 27 27 3	5x3 II 4 5 6 25 x6 = 3x4 =	0-5-4 $3x^3 = 3x^4 = 3x^4 = 6789$ 6789 23 23 24 3x6 = 23	$\begin{array}{c} 0-8-1.\\ 0-8-1.\\ 10 \\ 4x4 = \\ 10 \\ 12 \\ 22 \\ 3x4 = \\ 4x $	2-0-0 2 5x3 II 1 2 1 4 2 1 4 4=	1.5x3 II 12 13 20	14 19	0-10-12 1.5x3 II 15 16 15 29 15 17 18 17 4x6 =	= 9.38 -0- 0-
				3x6 FP		16-5	5-0			
		<u>9-8-4</u> 9-8-4		14- 4-8	-5-0 -12	15-5-0 	+	<u>22-9-12</u> 6-4-12	————]	
	 			22-9-12	!	1-0	-0			
Scale = 1:46.2 Plate Offsets ()	X, Y): [16:0-1-8,Edge], [21:0-1-8,Edge]								
Loading	(psf)	Spacing	2-0-0	CSI	DEF		in (loc) l/de	efi L/d PLA	TES	GRIP
TCLL TCDL	40.0 10.0	Plate Grip DOL Lumber DOL	1.00 1.00	TC BC	0.54 Vert(0.88 Vert(LL) -0. CT) -0.	14 19-20 >99 19 19-20 >80	99 480 MT2 99 360	20	244/190
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IRC2021/TPI2014	WB Matrix-S	0.39 Horz	(CT) 0.	03 17 n	/a n/a Wei	ght: 118 lb	FT = 20%F, 12%E
LUMBER TOP CHORD	2x4 SP No.2(flat) *E (flat)	xcept* 9-16:2x4 SP S	1) Unbalanceo S this design. 2) All plates at	d floor live loads hav	ve been consid less otherwise	ered for indicated.				1 - 20 /01 ; 12 /02
BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except:	athing directly applied cept end verticals. applied or 10-0-0 oc	 3) Refer to gin 4) Recommen 10-00-00 oc (0.131" X 3' at their oute 5) CAUTION, LOAD CASE(S 	der(s) for truss to tru d 2x6 strongbacks, c and fastened to ea ") nails. Strongback re ends or restrainec Do not erect truss b) Standard	uss connection on edge, spac uch truss with 3 is to be attached by other mea ackwards.	s. ed at 3-10d ed to walls ns.				
REACTIONS	6-0-0 oc bracing: 25 (size) 17=0-3-4, Mechanic Max Grav 17=644 (L 28-463 (l)	-26,24-25,22-24. 24=0-3-8, 28= al _C 4), 24=1447 (LC 1)),							
FORCES	(lb) - Maximum Com	pression/Maximum								
TOP CHORD	1-28=-38/0, 16-17=- 2-3=-771/0, 3-4=-88 5-6=-240/442, 6-7=(8-10=-738/94, 10-11 12-13=-1715/0, 13-1 14-15=-616/0 15-16	637/0, 1-2=0/0, 3/97, 4-5=-883/97,)/1110, 7-8=0/1110, =-1715/0, 11-12=-17' 4=-1555/0, ≒=-616/0	15/0,						CA	2011
BOT CHORD	27-28=0/545, 26-27 24-25=-734/0, 22-24 21-22=0/1346, 20-2	=0/963, 25-26=-246/6 =-296/155, 1=0/1715, 19-20=0/18	90, 315,					A A A	OFES	No. S.
WEBS NOTES	18-19=0/1223, 17-11 11-21=-498/0, 12-20 2-27=-9/294, 3-27=- 8-24=-1210/0, 8-22= 10-21=0/797, 4-26=- 5-25=-677/0, 13-20= 14-19=0/432, 14-18: 16-18=0/826, 7-24=- 6-24=-773/0	8=0/38)=-63/99, 2-28=-684/0 250/54, 3-26=-196/0, :0/792, 10-22=-834/0, :0/792, 10-22=-834/0, :-293/91, 13-19=-339/ -775/0, 15-18=-103/0 :47/47, 6-25=0/702,	0, 0,					Contraction of the second seco	SEAL 03632	ER. H.

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CN



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TRENCO A MiTek Affiliate

A MITEK / 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGE4	Floor Supported Gable	1	1	Job Reference (optional)	174175440

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 ID:8qwYE6A97xB1qDYTCzZrfuzuyhZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:31.1

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 YES IRC20	21/TPI2014	CSI 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) - - 17	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 78 lb	GRIP 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(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 17=18-6- 21=18-6- 23=18-6- 28=18-6- 30=18-6- 30=18-6- 32=18-6- 30=18-6- 32=18-6- 17=46 (LC 19=119 (l 23=117 (l 26=117 (l 30=118 (l 32=49 (LC	athing directly applie cept end verticals. applied or 10-0-0 or 14, 18=18-6-14, 14, 20=18-6-14, 14, 22=18-6-14, 14, 22=18-6-14, 14, 22=18-6-14, 14, 29=18-6-14, 14, 29=18-6-14, 14, 21, 18=109 (LC 1), 1, C 1), 22=117 (LC 1), 1, C 1), 25=117 (LC 1), 1, C 1), 27=117 (LC 1), 1, C 1), 29=117 (LC 1), 1, C 1), 21=115 (LC 1),	Ned or 1 c 2 4 5),),),),),),	VEBS 2 VOTES) All plates are indicated. 2) Gable require 3) Truss to be fi braced again 4) Gable studs (1) Gable studs (1) Recommend 10-00-00 oc ((0.131" X 3") at their outer COAD CASE(S)	2-31=-105/0, 3-30= 5-28=-107/0, 6-27= 5-25=-107/0, 10-22 2-21=-107/0, 13-2 5-18=-100/0 1.5x3 () MT20 u es continuous bott ully sheathed from st lateral moveme spaced at 1-4-0 oc 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained Standard	=-107/0, =-107/0, 3=-107/0 20=-106/ unless or o one fac on chor o one fac on edge ach truss (s to be d by othe	4-29=-106/0, 7-26=-107/0, , 11-22=-107/ (0, 14-19=-10/ therwise d bearing. e or securely iagonal web). a, spaced at s with 3-10d attached to w ar means.	/0, 8/0, alls				WITH CA	ROL	
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-32=-45/0, 16-17=- 3-4=-7/0, 4-5=-7/0, 5 7-9=-7/0, 9-10=-7/0, 12-13=-7/0, 13-14=- 15-16=-7/0, 31-32=0/7, 30-31=0, 27-28=0/7, 26-27=0, 22-23=0/7, 21-22=0, 18-19=0/7, 17-18=0,	apression/Maximum 41/0, 1-2=-7/0, 2-3= 5-6=-7/0, 6-7=-7/0, 10-11=-7/0, 11-12= 7/0, 14-15=-7/0, (7, 29-30=0/7, 28-29 (7, 25-26=0/7, 23-25 (7, 20-21=0/7, 19-20) (7	-7/0, -7/0, =0/7, =0/7, =0/7,							Maniffunn.	E	SEA 0363		Manunn

June 13,2025

Page: 1





Job	Truss Type		Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor		
	2F8	Floor	3	1	Job Reference (optional)	174175441	

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 Page: 1 ID:g01AtBG?0j5ie1xuax_AGIzuz_o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

				13	-7-8								
Scale = 1:39										I			
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.43	Vert(LL)	-0.10	12-13	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.13	12-13	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	10	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 70 lb	FT = 20%F, 12%E	
	2v4 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) 10=0-3-8, 16=0-3-8
	Max Grav 10=486 (LC 1), 16=490 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-16=-26/0, 9-10=-4/0, 1-2=0/0, 2-3=-963/0, 3-4=-1533/0, 4-5=-1533/0, 5-6=-1463/0, 6-7=-1463/0, 7-8=-870/0, 8-9=0/0
BOT CHORD	15-16=0/603, 14-15=0/1316, 13-14=0/1533, 12-13=0/1533, 11-12=0/1246, 10-11=0/475
WEBS	4-14=-199/0, 5-13=-76/39, 2-16=-756/0, 2-15=0/469, 3-15=-460/0, 3-14=0/414,

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



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	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	2F7A	Floor	1	1	Job Reference (optional)	174175442			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 Page: 1 ID:asOO_o893r9UH5Rjo3G2ATzuyzg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



1-0-0 15-10-0

Scale = 1:38.2

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.48 0.74 0.36	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.20 0.04	(loc) 16-17 16-17 12	l/defl >999 >920 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 82 lb	GRIP 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 12=0-3-8	eathing directly applic cept end verticals. r applied or 10-0-0 o . 19=0-3-8	ed or c									
FORCES	Max Grav 12=567 (I (Ib) - Maximum Con Tension	LC 1), 19=571 (LC 1 hpression/Maximum)									
TOP CHORD	1-19=-26/0, 11-12=- 2-3=-1173/0, 3-4=-1 5-6=-2097/0, 6-7=-2 8-9=-1505/0, 9-10=-	567/0, 1-2=0/0, 899/0, 4-5=-1899/0, 097/0, 7-8=-2097/0, 567/0, 10-11=-567/0)									
BOT CHORD	18-19=0/709, 17-18 15-16=0/2097, 14-1 12-13=0/34	=0/1616, 16-17=0/2 5=0/1861, 13-14=0/	068, 1140,									
WEBS	6-16=-196/59, 7-15= 2-18=0/604, 3-18=- 4-17=-65/0, 5-17=-2 8-15=0/458, 8-14=-4 9-13=-732/0, 10-13=	=-208/0, 2-19=-889/0 577/0, 3-17=0/362, 256/0, 5-16=-140/290 463/0, 9-14=0/475, =-65/0, 11-13=0/753), 6,							ALL	OP FESS	ROLL
NOTES										\$ 5		M
 Unbalance this design All plates a Recommer 10-00-00 o (0.131" X 3 at their out CAUTION, LOAD CASE(S) 	d floor live loads have in a state of the strong backs, of or and fastened to ead of a strong backs, of or and fastened to ead of a strong backs er ends or restrained Do not erect truss backs b Standard	e been considered for ess otherwise indica on edge, spaced at ch truss with 3-10d to be attached to w by other means. ackwards.	or ted. ralls						A HILLIN.		SEA 0363 NGINI A. G	L 22 ILBERT

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)



June 13,2025

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	ev 4 w/crawl-Floor				
	2FGE5	Floor Supported Gable	1	1	Job Reference (optional)	174175443				

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 ID:51ViHNCjUrtDXkNTnfOPo?zuyQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

2-5-14



Scale = 1:30.1

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.01	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: 14 lb	FT = 20%F, 12%E	
LUMBER													

TOP CHORD	2x4 SP N	o.2(flat)
BOT CHORD	2x4 SP N	o.2(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura 2-5-14 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=2-4-4, 5=2-4-4, 6=2-4-4
	Max Grav	4=37 (LC 1), 5=84 (LC 1), 6=39 (LC 1)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD	1-6=-36/0), 3-4=-32/0, 1-2=-7/0, 2-3=-7/0
BOT CHORD	5-6=0/7,	4-5=0/7
WEBS	2-5=-77/0)

NOTES

 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) Non Standard bearing condition. Review required.

4) Recommend 2x6 strongbacks, on edge, spaced at

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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Job	Truss Truss Type		Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F7	Floor	1	1	Job Reference (optional)	174175444

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 Page: 1 ID:asOO_o893r9UH5Rjo3G2ATzuyzg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



16-0-0

Scale = 1:38.2

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.50 0.77 0.36	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.22 0.04	(loc) 16-17 16-17 12	l/defl >999 >874 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 83 lb	GRIP 244/190 FT = 20%F, 129	%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shee 6-0-0 oc purlins, exe Rigid ceiling directly bracing. (size) 12=0-3-8, Max Grav 12=573 (L	athing directly applie cept end verticals. applied or 10-0-0 or 19=0-5-8 C 1). 19=577 (LC 1	ed or										
FORCES TOP CHORD	(lb) - Maximum Com Tension 1-19=-26/0, 11-12=- 2-3=-1188/0, 3-4=-1 5-6=-2139/0, 6-7=-2 8-9=-1526/0 9-10=-1	pression/Maximum 573/0, 1-2=0/0, 930/0, 4-5=-1930/0, 139/0, 7-8=-2139/0, 573/0 10-11=-573/0	,										
BOT CHORD WEBS	18-19=0/717, 17-18- 15-16=0/2139, 14-15 12-13=0/34 6-16=-176/45, 7-15= 2-18=0/613, 3-18=-5	=0/1639, 16-17=0/21 5=0/1890, 13-14=0/1 214/0, 2-19=-899/0 87/0, 3-17=0/371,	06, 1154,),									11111	
NOTES 1) Unbalance this design 2) All plates a 3) Recommer 10-00-00 o (0.131" X 3 at their out 4) CAUTION, LOAD CASE(S	4-17=-63/0, 5-17=-2 8-15=0/476, 8-14=-4 9-13=-742/0, 10-13= d floor live loads have rre 3x3 (=) MT20 unle ad 2x6 strongbacks, o c and fastened to eac ") nails. Strongbacks er ends or restrained I Do not erect truss ba	52/0, 5-16=-134/291 74/0, 9-14=0/484, -65/0, 11-13=0/762 been considered fo ss otherwise indicat n edge, spaced at h truss with 3-10d to be attached to w by other means. ckwards.	, r ed. alls						Contraction of the second seco		SEA 0363		Manning
· ·											A. G	IL Duning	

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)



June 13,2025

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGR2	Floor Girder	1	1	Job Reference (optional)	174175445

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 ID:WhHXAe3Fmfp8YeJ6S492AzzuyPd-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:25.5

Plate Offsets (X, Y): [5:0-3-0,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2021/T	PI2014	CSI TC BC WB Matrix-P	0.75 0.83 0.61	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.05 0.02	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 38 lb	GRIP 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	2x4 SP SS(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) *E: (flat) Structural wood shea 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 6=0-3-8, 9 Max Grav 6=1933 (L (lb) - Maximum Com Tension 1-9=-119/0, 5-6=-19: 2-3=-2266/0, 3-4=-10 8-9=0/1851, 7-8=0/2 2-9=-2322/0, 2-8=0/5 3-7=-1346/0, 4-7=-6 ed floor live loads have 1.	xcept* 5-7:2x4 SP No athing directly applied cept end verticals. applied or 10-0-0 oc 0=0-3-8 .C 1), 9=1532 (LC 1) pression/Maximum 24/0, 1-2=0/0, 608/0, 4-5=-1608/0 662, 6-7=0/0 541, 3-8=-515/0, 18/0, 5-7=0/2173	8) F p b.2 d y n 9) li 9) li 9) li 1 1)	Hanger(s) or provided suffi b down and 2 lesign/select esponsibility of the truss a D CASE(S) Dead + Floc Plate Increa Uniform Loa Vert: 6-9= Concentrate Vert: 1=-1 10=-396 (other connection d cient to support co 224 lb up at 6-5-8 ion of such connec of others. CASE(S) section, I re noted as front (F Standard or Live (balanced): se=1.00 ds (lb/ft) -7, 1-5=-67 d Loads (lb) 54 (B), 2=-599 (F) B), 11=-396 (B), 12	evice(s ncentra on top o tion de oads a _l) or ba Lumber , 3=-59 2=-609) shall be tted load(s) 2 chord. The vice(s) is the oplied to the f ck (B). Increase=1. 9 (F), 5=-246 (F)	446 face 00, € (B),					1111.
 Iruss to b braced ag Gable stuc Recomme 10-00-00 c (0.131" X² at their ou Use Simps or equivale from the le face of top Use Simps or equivale from the le 	e fully sneathed from o ainst lateral movement is spaced at 2-0-0 oc. nd 2x6 strongbacks, or oc and fastened to eac 3°) nails. Strongbacks ter ends or restrained t son Strong-Tie THA422 ent spaced at 2-0-0 oc off end to 5-9-4 to conn o chord. son Strong-Tie THA422 ent spaced at 2-3-8 oc off end to 4-5-4 to conn	t (i.e. diagonal web). n edge, spaced at h truss with 3-10d to be attached to wa by other means. 2 (Single Chord Gird max. starting at 1-9- lect truss(es) to front 2 (Single Chord Gird max. starting at 0-1- lect truss(es) to back	ulls er) 4 er) 12							A minutes		SEA 0363	L 22 BERING

- 5) Use Simpson Strong-Tie THA422 (Single Chord or equivalent spaced at 2-0-0 oc max. starting at 1-9-4 from the left end to 5-9-4 to connect truss(es) to front face of top chord.
- Use Simpson Strong-Tie THA422 (Single Chord Girder) 6) or equivalent spaced at 2-3-8 oc max. starting at 0-1-12 from the left end to 4-5-4 to connect truss(es) to back face of top chord.
- 7) Fill all nail holes where hanger is in contact with lumber.

GI minin

June 13,2025

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Job		Truss		Tru	iss Type			Qt	у	Ply	Stonefield	Rev 3-E	lev 4	w/crawl-Floor	
		2F14		Flo	oor			2		1	Job Refer	ence (op	tional)		174175446
Structural, LLC, T	hurmont, MD -	21788,				Ri	un: 25.20 S	May 13 202	5 Print: 2	25.2.0 S May	/ 13 2025 MiT B70Ha3NSaE	ek Industr	ries, Inc	2. Thu Jun 12 12:56	:57 Page: 1
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					0-9-1	_									
	1-3-0	-				1-0	-3			1-2-4					
							4x4 =								
	ЗхЗ II			1.5x3 ॥	1.5x3 u	1.5x3 "	I	4x	4 =	3x6= 3	x6 FP	1.5x3	II		ЗхЗ II
	1	2	3	4	5 6	7	8	9		10	11 12	13	14	4 1	5 16
-2-0	28														
-			27	26	25			22 22			¥	10		19	
	3x6 =		21	20 3x6 =	25	24 3x4 =	25	22 4x4 =		21 21 3>	(4 =	3x6 =		10	3x6 =
						Зх	6 FP		3	x6 =					
					9-2	2-1									
	1		7-6-1		8-4-1		1,	4-2-4		1		23	3-4-8		I
			7-6-1				5	5-0-3				9	-2-4		
					0-10-0										
					0-1	0-0	2	3-4-8							
Scale = $1:42.6$	(<u>X);</u> [24:0.4	9 Edgo	1												
	(, 1). [24.0-1	-0,Euge													
TCLL		(pst) 40.0	Plate Grip DOL	2-0 1.0	0	TC		0.92	Vert(L	- _L) -0.	in (loc) 16 25-26	1/defi >999	L/d 480	MT20	GRIP 244/190
TCDL BCLL		10.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES	0 S	BC WB		0.53 0.43	Vert(0 Horz(CT) -0. CT) 0.	22 25-26 02 21	>774 n/a	360 n/a		
BCDL		5.0	Code	IRC	C2021/TPI2014	Mat	rix-S	-			<u> </u>			Weight: 121 lb	FT = 20%F, 12%E
LUMBER TOP CHORD	2x4 SP No.2	2(flat)			 Refer to g Recommendation 	irder(s) i nd 2x6 :	for truss to strongbacl	o truss conr ks, on edge	nections	s. ed at					
BOT CHORD	2x4 SP SS(f (flat)	lat) *Exc	ept* 23-17:2x4 S	P No.2	10-00-00 ((0.131" X	oc and fa 3") nails	astened to . Strongb	each truss acks to be	s with 3 attache	-10d ed to walls					
WEBS BRACING	2x4 SP No.3	B(flat)			at their ou 5) CAUTION	ter ends , Do not	or restrain	ned by others backware	er mear ds.	ns.					
TOP CHORD	Structural w	ood she	athing directly ap	plied or	LOAD CASE(S) Sta	ndard								
BOT CHORD	Rigid ceiling	directly	applied or 6-0-0	0C											
REACTIONS	(size) 1	7=0-3-8,	21=0-3-8, 28=												
I	Max Grav 1	iecnanic 7=425 (L	ai .C 4), 21=1534 (L	.C 1),											
FORCES	20 (Ib) - Maxim)	8=690 (L um Com	pression/Maximu	m											
TOP CHORD	Tension 1-28=-38/0,	16-17=-3	38/0, 1-2=0/0,												
	2-3=-1337/0 5-6=-1845/0	, 3-4=-20 , 6-7=-18	031/0, 4-5=-2031 845/0, 7-8=-1845	/0, /0,											
	8-9=-614/10 12-13=-694/	4, 9-10= ′346, 13-	0/1320, 10-12=0/ ·14=-694/346,	/814,											
BOT CHORD	14-15=-676/ 27-28=0/842	′81, 15-1 2, 26-27=	6=0/0 =0/1813, 25-26=0	/2052,										, unin	unin,
	24-25=0/184 20-21=-1320	45, 22-24 0/0, 19-2	4=0/1319, 21-22= 0=-559/458,	-349/0,										"ATH CA	9Ultr
WEBS	18-19=-183/ 6-25=-35/21	823, 17- 2, 7-24=	18=-14/495 -398/0, 10-21=-7	09/0,								6	53	OFES	Ni Sin
	2-28=-1056/ 3-26=0/278,	0, 2-27= 5-26=-9	0/645, 3-27=-619 2/79, 5-25=-481/	9/0, 6,											
	9-21=-1301/ 8-24=0/855.	0, 9-22= 15-17=-	0/901, 8-22=-958 621/18, 15-18=-8	3/0, 37/235.										SEA	
	14-18=-191/	132, 14- 0 4-26=	19=-301/0, 12-19 -73/0 13-19=-60)=0/440, /0								E		0363	322 <u>i</u> E
NOTES	10-20=0/818	3	,	- 7									1.	S. ENG	FERIX S
1) Unbalance	d floor live loa	ads have	been considered	l for									11	BIC GIN	EFR
this design. 2) All plates a	re 3x3 (=) MT	20 unle	ess otherwise indi	cated.										A. (JIL
														Jun	e 13,2025

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ENGINEERING BY AMITEK Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F15	Floor	1	1	Job Reference (optional)	174175447



Scale = 1:45.6

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

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,												
Loading	(r	psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	4	10.0	Plate Grip DOL	1.00		тс	0.60	Vert(LL)	-0.16	23-24	>999	480	MT20	244/190
TCDL	1	0.0	Lumber DOL	1.00		BC	0.56	Vert(CT)	-0.22	23-24	>793	360		
BCLI		0.0	Rep Stress Incr	NO		WB	0.43	Horz(CT)	0.02	19	n/a	n/a		
BCDI		5.0	Code	IRC202	21/TPI2014	Matrix-S	01.10		0.02				Weight [.] 111 lb	FT = 20%F 12%F
		0.0	0000	11(0202		Maank O							Wolght. TTT IS	11 - 20/01, 12/02
LUMBER				2) One H2.5A S	Simpson Strong-T	ie connec	ctors						
TOP CHORD	2x4 SP SS(flat (flat)	it) *Exce	ept* 9-15:2x4 SP No	o.2	recommende UPLIFT at jt(ed to connect trus s) 16. This conne	s to beari ection is fo	ng walls due or uplift only a	to and					
BOT CHORD	2x4 SP SS(flat (flat)	it) *Exce	ept* 21-16:2x4 SP N	No.2 3	does not con Recommend	sider lateral force 2x6 strongbacks	es. , on edge	, spaced at						
WEBS	2x4 SP No.3(fl	flat)			10-00-00 oc	and fastened to e	each truss	with 3-10d						
OTHERS	2x4 SP No.3(fl	flat)			(0.131" X 3")	nails. Strongbad	ks to be a	attached to w	valls					
BRACING					at their outer	ends or restraine	ed by othe	er means.						
TOP CHORD	Structural woo 6-0-0 oc purlin	od shea ns, exc	thing directly applie ept end verticals.	edor 4 L) CAUTION, D OAD CASE(S)	o not erect truss Standard	backward	ls.						
BOT CHORD	Rigid ceiling d bracing.	directly a	applied or 6-0-0 oc											
REACTIONS	(size) 16= Max Uplift 16= Max Grav 16= 26=	=0-3-8, =-68 (LC =306 (L0 =702 (L0	19=0-3-8, 26=0-3-8 C 3) C 4), 19=1446 (LC ⁻ C 3)	1),										
FORCES	(lb) - Maximun	n Comp	pression/Maximum											
TOP CHORD	1-26=-35/0, 15 2-3=-1381/0, 3 5-6=-1930/0, 6 8-10=-650/0, 1 12-13=-118/72	5-16=-3 3-4=-21 6-7=-19 10-11=(22, 13-1	7/0, 1-2=-2/0, 17/0, 4-5=-2117/0, 30/0, 7-8=-1930/0, 0/1203, 11-12=-118 14=-380/268, 14-15	/722, =0/0									mmm	
BOT CHORD	25-26=0/864, 22-23=0/1930 18-19=-1203/0 16-17=-112/34	24-25=), 20-22 0, 17-18 42	0/1878, 23-24=0/21 =0/1371, 19-20=-19 3=-462/381,	79, 97/0,							4		ORTH CA	ROLL
WEBS	6-23=-44/178, 2-26=-1081/0, 3-24=0/305, 4 5-23=-459/40, 14-17=-203/50 10-19=-1328/0 8-22=0/879, 12	, 7-22=- , 2-25=(-24=-6 , 14-16= 0, 13-17 0, 10-2(2-18=-	433/0, 11-19=-602/ 0/673, 3-25=-647/0, 5/0, 5-24=-123/5, =-428/141, 7=-2/253, 13-18=-52 0)=0/908, 8-20=-957, 123/0, 11-18=0/858	′0, 30/0, /0,							Contraction of the		SEA 0363	L 22
NOTES												25	A VGINI	EFICAN
 Unbalance this design 	ed floor live loads า.	s have	been considered fo	r									CA.G	ILBERT

June 13,2025



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F16A	Floor	1	1	Job Reference (optional)	174175448

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:57 ID:mI4OS44CuCU18JK1QcZfRWzuyqi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:38.3

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

Loadir TCLL TCDL BCLL BCDL	ng	(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	0.95 0.96 0.62	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.40 -0.55 0.07	(loc) 19-20 19-20 14	l/defl >544 >396 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 97 lb	GRIP 187/143 244/190 FT = 20%F, 12%E
LUMB	ER			LOAD CASE(S)	Standard								
TOP C	HORD	2x4 SP DSS(flat) *Ex	cept* 8-13:2x4 SP	No.2									
ВОТ С	HORD	(flat) 2x4 SP DSS(flat) *E> (flat)	<pre>kcept* 18-14:2x4 SF</pre>	PSS									
WEBS		2x4 SP No.3(flat)											
BRAC	ING	.											
TOP C	HORD	Structural wood shea	athing directly applie	ed or									
вот с	HORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	с									
REAC	TIONS	(size) 14=0-3-8,	23= Mechanical										
		Max Grav 14=1005 ((LC 1), 23=1005 (LC	C 1)									
FORC	ES	(lb) - Maximum Com	pression/Maximum										
TOP C	HORD	1-23=-37/0, 13-14=-3 2-3=-2088/0, 3-4=-3 5-6=-3724/0, 6-7=-4 9-10=-3568/0, 10-11 12-13=0/0	39/0, 1-2=0/0, 724/0, 4-5=-3724/0, 395/0, 7-9=-4246/0, =-3568/0, 11-12=-2	131/0,									
BOT C	HORD	22-23=0/1249, 21-22 19-20=0/4395, 17-19 15-16=0/2972, 14-15	2=0/3022, 20-21=0/3 9=0/4424, 16-17=0/4 5=0/1257	3724, 4059,								mmm	un,
WEBS	i	4-21=-721/0, 2-23=- 3-22=-1215/0, 3-21= 12-15=0/1138, 11-15 10-16=-57/0, 9-16=- 7-17=-232/0, 7-19=- 5-20=-43/268, 6-20=	1568/0, 2-22=0/109 •0/1300, 12-14=-157 5=-1095/0, 11-16=0, 626/0, 9-17=0/244, 103/144, 6-19=-29/2 -1001/0	1, 77/0, /762, 278,						1 million	r'i	ORTH CA	ROUN
NOTE	s	,								=		SEA	L : E
1) Un thi: 2) All 3) Re 4) Re 10 (0. at	balance s design plates a ecommer -00-00 o 131" X 3 their out	ed floor live loads have are MT20 plates unless rder(s) for truss to trus nd 2x6 strongbacks, or oc and fastened to eac "") nails. Strongbacks ter ends or restrained b	been considered for s otherwise indicate is connections. n edge, spaced at h truss with 3-10d to be attached to w ov other means.	or d. valls						111112	A A A A A A A A A A A A A A A A A A A		

June 13,2025

Institute (www.tpinst.org) 818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGR1	Floor Girder	1	1	Job Reference (optional)	174175449

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 Page: 1 ID:Lo_GpL965cY0KJuJajKJ1izuITH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:24.4

Loading (psf) Spacing 2-0-0 CSI DEFL in (icc) VidefL Lid TCLL 40.0 Plate Grip DOL 1.00 TC 0.03 Rep Stress Incr NO DECL 0.01 7-8 999 450 BCLL 0.00 Rep Stress Incr NO WB 0.43 Vert(LL) 0.01 6 n/a n/a BCDL 5.0 Code IRC2021/TPI2014 Matrix-P Vert(LL) 0.01 6 n/a n/a N/a DOP CHORD 2:4 SP No.2(flat) Vert(L1) 0.01 6 n/a N/a <th></th> <th></th> <th>-</th> <th></th>			-										
TCLL 40.0 Plate Grip DOL 1.00 TC 0.63 Vent(LL) 0.01 7.8 s999 480 MT20 244/190 BCLL 0.0 Rep Stress Incr NO WB 0.41 Wert(LL) 0.01 6 n/a MT20 244/190 BCLL 5.0 Code IRC2021/TPI2014 Matrix-P Matrix-P Weight: 38 lb FT = 20%F, 12%E LUMBER TOP CHORD 2x4 SP No.2(flat) Vent(La) 0.01 6 n/a MG SOT CHORD 2x4 SP No.3(flat) Vent(La) 0.01 6 n/a MG MG Vent(La) Vent(La) 0.01 6 n/a MG MG Vent(La) Vent(La	Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 Lumber DOL 1.00 BC 0.41 Ver(CT) -0.03 7 >999 360 BCDL 5.0 Code IRC2021/TPI2014 WW WW Horz(CT) 0.01 6 n/a n/a SCDL 5.0 Code IRC2021/TPI2014 Matrix-P Weight: 38 lb FT = 20%F, 12%E LUMBER TOP CHORD 2x4 SP No.2(flat) Matrix-P No	TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190
BCLL 0.0 Rep Stress Incr NO WB 0.43 Horz(CT) 0.01 6 n/a Meight: 38 lb FT = 20%F, 12%E DOP CHORD 2x4 SP No.2(flat)	TCDL	10.0	Lumber DOL	1.00	BC	0.41	Vert(CT)	-0.03	7	>999	360		
BCDL 5.0 Code IRC2021/TPI2014 Matrix-P Weight: 38 lb FT = 20%F, 12%E LUMBER TOP CHORD 2x4 SP No.2(flat) <	BCLL	0.0	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01	6	n/a	n/a		
LUMBER TOP CHORD 2x4 SP No.2(flat) SOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.3(flat) DTHERS 2x4 SP No.3(flat) BRACINO TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc puting, except end verticals. SOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grave 6=690 (LC 1), 9=841 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 19=9-01/0, 5-6-59(0, 1-2=-50, 2-3=-1221/0, 3-4a-1406/0, 4-5=0-00 SOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220(0, 37=-5330, 0, 2-8=-0/316, 3-8=-260(0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) Recommend 2x6 strongbacks to be attached to walls at their outler ends or restained by other means. 3) CAUTION, Do not erect truss backwards.	BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 38 lb	FT = 20%F, 12%E
TOP CHORD 2x4 SP No.2(flat) SOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. SOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 SOT CHORD 8=9-0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-536/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) 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 outre ends or restrained by other means. 3) CAUTION, Do not erect truss backwards.													
SOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.3(flat) DTHERS 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) 6=0-3-8, 9=0-3-8 Max Grav Max Grav 6=890 (LC 1), 9=841 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59(0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406(0, 45-6=/0) SOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220(0, 4-7=0/912, 4-6=-918/0) NOTES 1) 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. 12) Recommed 2x6 strongbacks, on edge, spaced at 10:00-00 oc and fastened to each truss with 3-10d (0.131' X 3') naiis. Strongbacks to be attached to walls at their outer ends or restained by other means. 3) CAUTION, Do not ered truss backwards. UPDCCASES 3) CAUTION, Do not ered truss backwards.	TOP CHORD	2x4 SP No.2(flat)											
WEBS 24.4 SP No.3(flat) DTHERS 2x4 SP No.3(flat) BRACING For Curve and the event of the event o	BOT CHORD	2x4 SP No.2(flat)											
DTHERS 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. BRACTIONS (size) 6-0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension Top CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-536/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co at fastened to each truss with 3-10d (0.131* X 3') nails. Strongbacks, on edge, spaced at 10-00-00 co at fastened to each truss with 3-10d (0.131* X 3') nails. Strongbacks to be attached to walls at their outler ends or restrained by other means. 3) CAUTION, Do not erect truss backwards. UND CASES	WEBS	2x4 SP No.3(flat)											
BRACING TOP CHORD Structural wood sheathing directly applied or 6-00 oc purins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 6-0-3-8, 9=0-3-8 Max Grav Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91(0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 SOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220(0, 3-7=-535/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 co 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.	OTHERS	2x4 SP No.3(flat)											
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) 6-0-3-8, 9-0-3-8 Max Grav Max Grav 6-690 (LC 1), 9-841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=-0/0 BOT CHORD 8-9=0/978, 7-8=-0/1406, 6-7=-0/679 WEES 2-9=-122/0, 3-7=-535/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. Q: 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. UND CASE(S) NOD COMED Structural by other means.	BRACING												
6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 9-9-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=-0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) 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. 3) CAUTION, Do not erect truss backwards. CAUTION, Do not erect truss backwards.	TOP CHORD	Structural wood shea	athing directly applie	ed or									
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension Top CHORD 1-9=91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1 1 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. 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 card 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.		6-0-0 oc purlins, exe	cept end verticals.										
bracing. REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1 1) 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. 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. UADD CASES(L) Stondard	BOT CHORD	Rigid ceiling directly	applied or 10-0-0 of	с									
REACTIONS (size) 6=0-3-8, 9=0-3-8 Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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.		bracing.											
Max Grav 6=690 (LC 1), 9=841 (LC 1) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=-0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") naiis. Strongbacks to be attached to walls at their outer ends or restrained by other means. 3) CAUTION, Do not erect truss backwards.	REACTIONS	(size) 6=0-3-8, 9	9=0-3-8										
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1 10 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. 20 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. UODD CASE(S) Strondprof.		Max Grav 6=690 (LC	C 1), 9=841 (LC 1)										
ToP CHORD 1-9=-91/0, 5-6=-59/0, 1-2=-5/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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.	FORCES	(lb) - Maximum Com	pression/Maximum										
 IOP CHORD 1:9=-91/0, 5-0=-59/0, 1-2=-50/0, 2-3=-1221/0, 3-4=-1406/0, 4-5=0/0 BOT CHORD 8-9=0/978, 7-8=-01406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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. 				01/0									
 Bot CHORD 8-9=0/978, 7-8=0/1406, 6-7=0/679 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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. 	TOP CHORD	1-9=-91/0, 5-6=-59/0), 1-2=-3/0, 2-3=-12/ n	21/0,									
 WEBS 2-9=-1220/0, 3-7=-535/0, 2-8=0/316, 3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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. 		8-9=0/978 7-8=0/14	06 6-7=0/679										
3-8=-260/0, 4-7=0/912, 4-6=-918/0 NOTES 1) 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. 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.	WEBS	2-9=-1220/0 3-7=-5	35/0 2-8=0/316										
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 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. 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. CAUTION, Do not erect truss backwards. 	NOTES												
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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.	Recomme	nd 2x6 strongbacks, o	n edge, spaced at									11''' CA	D'III
(0.131* X 3) halls. Strongbacks to be attached to walls at their outer ends or restrained by other means. 3) CAUTION, Do not erect truss backwards.	10-00-00 0	bc and fastened to eac	h truss with 3-10d	- 11-								N'STH UA	ROM
a their outer ends or restrained by other means. 3) CAUTION, Do not erect truss backwards. (CAUTION, Standard	(0.131 X	3") nalis. Strongbacks	to be attached to w	alls							A	ON JESK	in Alle
OAD CASTIST, Standard		Do not erect truce bo	oy other means.							1	27	in the	No. sin
		Standard	unius.							4			All

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)
 - Vert: 6-9=-10, 1-3=-250, 3-5=-100
 - Concentrated Loads (lb)
 - Vert: 3=-310



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F13	Floor	1	1	Job Reference (optional)	174175450

0-3-8

1-2-0

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:57 Page: 1 ID:kHCJpA1tZ_RsSy8TGRIThBzrLT2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 0-1-8 ∦ 1-8-0 1-3-0 1-0-9 1-0-3 1-5-12 1.5x3 🛛 1.5x3 u 3x3 = 1.5x3 II 4x4 =4x4 = 1.5x3 =3x3 = 3x6 = 3x3 II 3x3 = 3x3 = 3x3 = 1.5x3 u 3x6 FP 1.5x3 u 1 2 3 4 5 10 13 14 6 7 8 9 11 12 15 27 2 Ŷ 2 2 挔 挔 18 16 26 \mathbb{R} \boxtimes ₿ 25 23 20 18 24 22 21 17 19 3x6 = 3x4 = 3x6 =3x3 = 3x3= 3x3 = 3x6 = 3x6 = 3x6 = 3x6 FP

4x4 =







Scale = 1:45.6

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

Loading TCLL TCDI	(psf) 40.0 10.0	Spacing Plate Grip DOL	2-0-0 1.00 1.00	CSI TC BC	0.95	DEFL Vert(LL) Vert(CT)	in -0.18 -0.25	(loc) 23-24 23-24	l/defl >967 >701	L/d 480 360	PLATES MT20	GRIP 244/190	
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.02	19	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 111 lb	FT = 20%F,	12%E
LUMBER TOP CHORD BOT CHORD WEBS DTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP SS(flat) *Exc (flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 2-2-0 oc purlins, exc Rigid ceiling directly bracing. (size) 16=0-5-8, Max Uplift 16=-75 (L Max Grav 16=306 (L	ept* 21-16:2x4 SP N athing directly applie cept end verticals. applied or 6-0-0 oc 19=0-3-8, 26=0-3-8 C 3) C 4), 19=1455 (LC 1	2) Provide r bearing r 16. 3) Recomm 10-00-00 (0.131* X at their o 4) CAUTIOI LOAD CASE	nechanical connectio late capable of withs end 2x6 strongbacks oc and fastened to e 3") nails. Strongbac ater ends or restraine N, Do not erect truss (S) Standard	n (by oth tanding 7 , on edge ach truss ks to be a d by othe backward	ers) of truss 5 lb uplift at 5 with 3-10d attached to w or means. Is.	to joint valls						
FORCES	26=698 (L (lb) - Maximum Com Tension	.C 3) pression/Maximum											
TOP CHORD	1-26=-34/0, 15-16=- 2-3=-1372/0, 3-4=-2 5-6=-1904/0, 6-7=-1 8-10=-611/0, 10-11= 12-13=-115/755, 13-	37/0, 1-2=-2/0, 104/0, 4-5=-2104/0, 904/0, 7-8=-1904/0, 0/1240, 11-12=-115/ 14=-378/285, 14-15=	/755, =0/0										
BOT CHORD	25-26=0/859, 24-25= 22-23=0/1904, 20-22 18-19=-1240/0, 17-1 16-17=-121/341	=0/1868, 23-24=0/21 2=0/1342, 19-20=-22 8=-488/379,	52, 8/0,							A.	OR FESS	POLA	1 ₁ .
WEBS	6-23=-48/148, 7-22= 2-26=-1076/0, 2-25= 3-24=0/301, 4-24=-6 5-23=-451/35, 14-16 14-17=-214/49, 13-1 10-19=-1333/0, 10-2 8-22=0/873, 12-18=-	-404/0, 11-19=-606// -0/668, 3-25=-645/0, -5/0, 5-24=-116/14, -427/152, 7=-1/264, 13-18=-53 -0=0/907, 8-20=-970/ -123/0, 11-18=0/868	0, 39/0, /0,						Contraction of the second s		SEA 0363	L 22	Norman .
NOTES I) Unbalance this design	d floor live loads have	been considered for	r						S		A. G.	ER.K	in the second se

N



June 13,2025

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

Job		Truss		Truss Tv	ре		Qt	v	Plv	Stonefield	Rev 3-E	lev 4	w/crawl-Floor	
		2F17		Floor			1	,	1		· · · · · ·			174175451
Structural, LLC,	Thurmont, MD -	21788,				Run: 25.20 S Ma	ay 13 202	5 Print: 2	25.2.0 S May	13 2025 MiT	ence (op ek Indust	ries, Inc) c. Thu Jun 12 12:5	6:57 Page: 1
						ID:kHCJpA1tZ_F	sSy8TGF	RIThBzrL	.T2-RfC?PsE	70Hq3NSgPo	nL8w3ul	TXbGK	WrCDoi7J4zJC?f	-
					L 1	-8-0								
		1-3-0	1		0-9-1	1-0-3			í.	1-5-12				
			1						F					
				1.5x3 🛚	1.5x3 ı	ı 4x4	-	4	4 -		3x3	3=		
	3	x3 ။ 3	3x3 = 3x3 =		3x3 =	1.5x3 u	3×6		 3x6	6= 1.5x3	3 u		3x3 =	3x3 #
	1		2 3	4	56	7 8	5,0	9 10) 11	12	13		14	15
	0-7	6	* *				=	<u>−</u> j•						€
	-						- M	/			/			
	:	3x6 =	25	24	23	22 21	20		⊠ 19	18		1	17	
			3x3 =	3x6 =	3x3 =	3x4 =	4x4	=	3x6 =	3x6	-	3	3x3 =	3x6 =
						3x6 FP 9-2-1								
					8-4-	.1								
	L		7-6-1				14-2	-4			2	1-2-0		
	I		7-6-1		I 0 10		5-0-	3	I		6-	11-12		Ι
					0-10	-0								
	L					21-2	2-0							
Scale = 1:42.6			_											
Plate Offsets (2	X, Y): [22:0-1	-8,Edge]	-									<u> </u>	
Loading		(psf) 40.0	Spacing Plate Grin DOI	2-0-0 1.00		CSI TC	0.89	DEFL	-) -0	in (loc) 16 23-24	l/defl ∽999	L/d 480	PLATES MT20	GRIP 244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.58	Vert(CT) -0.	22 23-24	>773	360		211/100
BCLL BCDL		0.0 5.0	Rep Stress Incr Code	YES IRC2021/	TPI2014	WB Matrix-S	0.42	Horz(CI) 0.	02 19	n/a	n/a	Weight: 111 I	b FT = 20%F, 12%E
LUMBER			•	3)	Provide mech	nanical connectior	n (by oth	ers) of	truss to					
TOP CHORD	2x4 SP No.2 2x4 SP SS(2(flat) flat) *Exc	ept* 21-16·2x4 SP No	2	bearing plate 16.	capable of withst	anding 7	'1 lb up	lift at joint					
WERS	(flat)			4)	Recommend	2x6 strongbacks,	on edge	e, space	ed at					
BRACING	284 SP NU.	5(1121)			(0.131" X 3")	nails. Strongback	ks to be	attache	ed to walls					
TOP CHORD	Structural w 2-2-0 oc pu	ood shearlins. exa	athing directly applied cept end verticals.	or 5)	CAUTION, D	o not erect truss b	a by othe backware	er mear ds.	ns.					
BOT CHORD	Rigid ceiling	directly	applied or 6-0-0 oc	LOA	AD CASE(S)	Standard								
REACTIONS	(size) 1	6=0-5-8,	19=0-3-8, 26=											
	Max Uplift 1	lechanic 6=-71 (L	al C 3)											
	Max Grav 1	6=307 (L 6=689 (I	C 4), 19=1436 (LC 1)	,										
FORCES	(lb) - Maxim	um Com	pression/Maximum											
TOP CHORD	1-26=-38/0,	15-16=-3	37/0, 1-2=0/0,											
	2-3=-1333/0 5-6=-1830/0), 3-4=-20), 6-7=-18	022/0, 4-5=-2022/0, 830/0, 7-8=-1830/0,											
	8-10=-595/0), 10-11= /738. 13-	=0/1219, 11-12=-118/7 -14=-380/276, 14-15=('38,)/0										
BOT CHORD	25-26=0/84	0, 24-25=	=0/1806, 23-24=0/204	1, /0									WHILL C	AD
	18-19=-121	9/0, 17-1	8=-475/381,	/0,								N	RTHO	21/1
WEBS	16-17=-116 6-23=-48/19	/342)9, 7-22=	-389/0, 11-19=-603/0,	,							6	SA	AST -	Tin
	2-26=-1053 3-24=0/276	/0, 2-25= . 4-24=-7	-0/642, 3-25=-616/0, /3/0. 5-24=-111/58.								Z		21	ng of
	5-23=-453/3	, 31, 14-16 /50 13-1	6=-429/146, 72/258 13-18534	/0							Ξ		SE.	AL E
	10-19=-130	7/0, 10-2	20=0/885, 8-20=-938/0	, ,									036	322 <u>-</u> E
NOTES	8-22=0/829	, 12-18=-	-123/0, 11-18=0/863										· · · ·	a.!. 3
1) Unbalance	ed floor live loa	ads have	been considered for									11	A NGI	VEE PLU
2) Refer to gi	rder(s) for true	ss to trus	s connections.										11, A.	GILB
													1111 10	ne 13 2025
													J	

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 outlapse 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)

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F3	Floor	1	1	Job Reference (optional)	174175452

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:55 Page: 1 ID:1tazBACv1B?DQ0UD7CgpEkzrLfl-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:43.1

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC202	1/TPI2014	CSI TC BC WB Matrix-S	0.99 0.94 0.40	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.22 0.02	(loc) 17-18 17-18 15	l/defl >993 >724 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 102 lb	GRIP 244/190 FT = 20%F, 1	12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea except end verticals. Rigid ceiling directly bracing. (size) 15=0-3-8, Max Uplift 25=-45 (L Max Grav 15=645 (L 25=285 (l	athing directly applied applied or 2-2-0 oc 22=0-3-8, 25=0-3-8 C 4) C 4), 22=1280 (LC 1	2) 3) d, 4) Lt	One H2.5A S recommende UPLIFT at jt(does not com Recommend 10-00-00 oc ((0.131" X 3") at their outer CAUTION, D	Simpson Strong-Tie d to connect truss i s) 25. This connect sider lateral forces. 2x6 strongbacks, c and fastened to eac nails. Strongbacks ends or restrained o not erect truss ba Standard	connecto to beari ion is fo on edge ch truss to be a by othe ackward	ctors ng walls due or uplift only a s, spaced at s with 3-10d attached to w er means. ts.	to and ralls						
FORCES	(lb) - Maximum Com	pression/Maximum												
TOP CHORD	1-25=-37/0, 14-15=- 2-3=-327/210, 3-4=- 5-6=0/933, 6-8=-733 9-10=-1716/0, 10-11 12-13=-627/0 13-14	636/0, 1-2=0/0, 4/607, 4-5=-4/607, 5/0, 8-9=-1716/0, =-1716/0, 11-12=-15 627/0	64/0,											
BOT CHORD	24-25=-82/313, 23-2 22-23=-933/0, 21-22 19-21=0/1349, 18-19 16-17=0/1234, 15-16	=-027/0 24=-376/304, 2=-132/152, 9=0/1716, 17-18=0/1 5=0/38	816,									TH CA	ROL	
WEBS NOTES	9-19=-436/0, 10-18= 2-24=-167/18, 3-24= 6-22=-1188/0, 6-21= 8-19=0/727, 4-23=-8 11-18=-228/133, 11- 12-16=-775/0, 13-16 5-22=-533/0	-66/53, 2-25=-393/1(:0/216, 3-23=-555/0, :0/766, 8-21=-815/0, 11/0, 5-23=0/590, 17=-328/0, 12-17=0/ :=-102/0, 14-16=0/83	03, '430, 2,							William	in	O: FESB SEA 0363:	22	Mannun

 Unbalanced floor live loads have been considered for this design.



4. GILD

June 13,2025

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.sbcaccomponents.com)

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	2F6	Floor	2	1	Job Reference (optional)	174175453			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 Page: 1 ID:BRmHQpR0vXmBaC_kqUUg5FzrLbZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0 16-0-0

Scale = 1:41.5

Plate Offsets (X, Y): [11:0-1-8,Edge], [15:0-1-8,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	0.72	Vert(LL)	-0.21	16-17	>883	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.29	16-17	>643	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat) *Except* 18-12:2x4 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) 12=0-3-8, 20=0-5-8
	Max Grav 12=860 (LC 1), 20=866 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum
TOP CHORD	1-20=-39/0, 11-12=-859/0, 1-2=0/0, 2-3=-1782/0, 3-4=-2893/0, 4-5=-2893/0, 5-6=-3208/0, 6-7=-3208/0, 7-8=-3208/0, 8-9=-2288/0, 9-10=-860/0, 10-11=-860/0
BOT CHORD	19-20=0/1075, 17-19=0/2459, 16-17=0/3158, 15-16=0/3208, 14-15=0/2837, 13-14=0/1731, 12-13=0/51
WEBS	6-16=-251/45, 7-15=-302/0, 2-20=-1348/0, 2-19=0/921, 3-19=-881/0, 3-17=0/555, 4-17=-91/0, 5-17=-387/0, 5-16=-192/429, 8-15=0/706, 8-14=-715/0, 9-14=0/725, 9-13=-1112/0, 10-13=-96/0, 11-13=0/1143

NOTES

- 1) 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



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A MITek Affilia 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGE3	Floor Supported Gable	1	1	Job Reference (optional)	174175454

Structural LLC Thurmont MD - 21788

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries. Inc. Thu Jun 12 12:56:58 ID:64cvPTB4XM5b?0Yq?Gfkvwzr?FL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3) braced against lateral movement (i.e. diagonal web).

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

1)

2)

June 13,2025

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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor				
	2F11	Floor	6	1	Job Reference (optional)	174175455			

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 ID:pS9qNFu1A_3_7KjDbDE5xszr?Fj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1	:36.8
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Plate Offsets (X, Y): [13:0-1-8,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	0.89	Vert(LL)	-0.17	14-15	>985	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.23	14-15	>713	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 12%E

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 sheathing directly applied or
	2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 11=0-3-8, 17=0-3-8
	Max Grav 11=759 (LC 1), 17=759 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-17=-35/0, 10-11=-34/0, 1-2=-2/0,
	2-3=-1526/0, 3-4=-2399/0, 4-5=-2399/0,
	5-6=-2404/0, 6-7=-2404/0, 7-8=-2404/0,
	8-9=-1512/0, 9-10=-2/0
BOT CHORD	16-17=0/940, 15-16=0/2090, 14-15=0/2534,
	13-14=0/2404, 12-13=0/2116, 11-12=0/938
WEBS	6-14=-113/98, 7-13=-451/0, 2-17=-1177/0,
	2-16=0/763, 3-16=-734/0, 3-15=0/395,
	4-15=-73/0, 5-15=-224/0, 5-14=-324/190,
	9-11=-1174/0, 9-12=0/748, 8-12=-787/0,
	8-13=0/736
NOTES	

1) 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.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F12	Floor	3	1	Job Reference (optional)	174175456

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 ID:xm01o8gA6e7vo9cWLfN6XMzr?Ej-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





0-10-0

12-4-4

Cool	~	1.20	
Suai	e =	1.39	

_													
Loa	ading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
тс	LL	40.0	Plate Grip DOL	1.00	тс	0.54	Vert(LL)	-0.10	13-14	>999	480	MT20	244/190
тс	DL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.14	13-14	>999	360		
BC	LL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	10	n/a	n/a		
BC	DL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 65 lb	FT = 20%F, 12%E
LU	MBER												
то	P CHORD	2x4 SP No.2(flat)											
BO	T CHORD	2x4 SP No.2(flat)											
WE	BS	2x4 SP No.3(flat)											
OT	HERS	2x4 SP No.3(flat)											
BR	ACING												
то	P CHORD	Structural wood she	athing directly applie	ed or									
во	T CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	c									
RE	ACTIONS	(size) 10= Mech Max Grav 10=666 (l	anical, 16=0-3-4 _C 1), 16=659 (LC 1)									
FO	RCES	(lb) - Maximum Com Tension	pression/Maximum										
то	P CHORD	1-16=-34/0, 9-10=-4	4/0, 1-2=-2/0,										
		2-3=-1279/0, 3-4=-1	901/0, 4-5=-1901/0,										
		5-6=-1857/0, 6-7=-1	857/0, 7-8=-1277/0,										
		8-9=0/0											
BO	T CHORD	15-16=0/811, 14-15	=0/1715, 13-14=0/18	857,									
		12-13=0/1857, 11-1	2=0/1662, 10-11=0/8	803									
WE	BS	5-13=-147/29, 6-12=	=-362/0, 2-16=-1015	/0,									
		2-15=0/608, 3-15=-5	68/0, 3-14=0/252,	07/0									
		4-14=-166/30, 5-14=	=-236/236, 8-10=-10	07/0,									11
		0-11=0/017, 7-11=-0	55770, 7-12=0/506									11111 01	in the
NO	DIES											ITH UT	NON
1)	Unbalance	ed floor live loads have	e been considered fo)r							N	N	All's
2)	Refer to di	irder(s) for trues to true	e connections							/	52		THAT
2) 3)	Recomme	and 2x6 stronghacke	n edge snaced at							4	D	12/ 1	1. H.
5)	10-00-00 c	nc and fastened to eac	truss with 3-10d								1		
	(0.131" X 3	3") nails. Strongbacks	to be attached to w	alls						=		SEA	L : =

- at their outer ends or restrained by other means.
- 4) 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	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGE6	Floor Supported Gable	2	1	Job Reference (optional)	174175457

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 ID:Pexhm6GzlbKMD9xJPhgSGnzr?7V-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





0-3-8



Scale = 1:25.1

30ale = 1.23.1												
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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 11 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 1-6-0 oc purlins, except end verticals.											
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS	size) 3=1-6-0, 4=1-6-0											

	Max Grav 3=69 (LC 1), 4=63 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-4=-59/0, 2-3=-62/0, 1-2=-4/0
BOT CHORD	3-4=0/0

WEBS 2-4=0/5

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 4-0-0 oc.

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

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F12A	Floor	1	1	Job Reference (optional)	174175458

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 ID:xm01o8gA6e7vo9cWLfN6XMzr?Ej-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



14-7-8

Scale = 1:36.8

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

	(, 1). [15.0-1-0,∟uge]											
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	0.79	Vert(LL)	-0.18	14-15	>957	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.52	Vert(CT)	-0.25	14-15	>693	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	11	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 75 lb	FT = 20%F, 12%E	
L UMBER TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP SS(flat)												

DOT CHOILD	274 01 0	O(nat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	6-0-0 oc j	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	11=0-3-8, 17=0-3-8
	Max Grav	11=791 (LC 1), 17=784 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-17=-35/	/0, 10-11=-38/0, 1-2=-2/0,
	2-3=-159	0/0, 3-4=-2523/0, 4-5=-2523/0,
	5-6=-260	1/0, 6-7=-2601/0, 7-8=-2601/0,
	8-9=-157	5/0, 9-10=0/0
BOT CHORD	16-17=0/9	973 15-16=0/2182 14-15=0/2691

13-14=0/2601, 12-13=0/2187, 11-12=0/974 WEBS 6-14=-136/82, 7-13=-338/0, 2-17=-1219/0, 2-16=0/802, 3-16=-772/0, 3-15=0/435, 5-15=-259/0, 5-14=-297/241, 9-11=-1221/0, 9-12=0/783, 8-12=-797/0, 8-13=0/726, 4-15=-76/0

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	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F9	Floor	14	1	Job Reference (optional)	174175459

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 ID:FkWJITKmLZ8GhXGGfyNTy2z85F3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1









18-6-4

0-10-0

OUCLE = 1.00.0

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

												-
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.98	Vert(LL)	-0.30	19-20	>727	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.41	19-20	>529	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.05	14	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 96 lb	FT = 20%F, 12%E

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP SS(flat) *Except* 17-14:2x4 SP No.2
	(flat)
WEBS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied.

	endetanan need entedaning anoon) appilo
	except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.

REACTIONS	(size)	14=0-3-8, 23= Mechanical
	Max Grav	14=670 (LC 1), 23=670 (LC 1)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD	1-23=-24/ 2-3=-139' 5-6=-2929 9-10=-238 12-13=0/0	(0, 13-14=-26/0, 1-2=0/0, 1/0, 3-4=-2466/0, 4-5=-2466/0, 9/0, 6-7=-2929/0, 7-9=-2830/0, 81/0, 10-11=-2381/0, 11-12=-1420/0,
BOT CHORD	22-23=0/8 19-20=0/2 15-16=0/1	331, 21-22=0/2021, 20-21=0/2466, 2466, 18-19=0/2951, 16-18=0/2706, 1981, 14-15=0/838

WEBS	4-21=-421/0, 5-20=-248/0, 2-23=-1043/0, 2-22=0/729, 3-22=-821/0, 3-21=0/824, 12-14=-1051/0, 12-15=0/758, 11-15=-730/0 11-16=0/510, 9-16=-415/0, 9-18=0/162, 7-18=-157/0, 7-19=-71/89, 5-19=0/658.
	7-18=-157/0, 7-19=-71/89, 5-19=0/658, 10-16=-39/0, 6-19=-196/0

NOTES

 Unbalanced floor live loads have been considered for this design.

2) All plates are MT20 plates unless otherwise indicated.

 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.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F10	Floor	8	1	Job Reference (optional)	174175460

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:56 ID:RgGIIg4fkcyT73?AHzV0T7z85E5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-0-0

					15-10-0	0							
Scale = 1:36.2													
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	0.47	Vert(LL)	-0.10	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.75	Vert(CT)	-0.13	13-14	>999	360		
BCLL	0.0	Rep Stress Incr	YES		WB	0.24	Horz(CT)	-0.01	17	n/a	n/a		
BCDL	5.0	Code	IRC202	1/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%F, 12
LUMBER			4)	Recommend	2x6 strongbacks,	on edge	e, spaced at						
TOP CHORD	2x4 SP No.2(flat)			10-00-00 oc	and fastened to ea	ach truss	s with 3-10d						
3OT CHORD	2x4 SP No.2(flat)			(0.131" X 3")	nails. Strongback	ks to be	attached to w	valls					
WEBS	2x4 SP No.3(flat)			at their outer	ends or restrained	d by othe	er means.						
OTHERS	2x4 SP No.3(flat)		5)	CAUTION, D	o not erect truss b	backware	ds.						
BRACING			L	DAD CASE(S)	Standard								
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	athing directly applie cept end verticals.	ed or										
BOT CHORD	Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 18	applied or 10-0-0 or 3-19.17-18.	2										
REACTIONS	(size) 11=0-3-8	, 17=0-3-8, 19=0-3-8											
	Max Uplift 19=-82 (L	-C 4)											
	Max Grav 11=413 (1 19=90 (Le	LC 4), 17=723 (LC 1) C 8)),										
FORCES	(lb) - Maximum Con Tension	npression/Maximum											
TOP CHORD	10-11=-22/0, 1-19=-	32/0, 1-2=0/0, 2-3=0	/304,										
	3-4=0/440, 4-5=-579	9/0, 5-6=-1020/0,											
	6-7=-1146/0, 7-8=-1	146/0, 8-9=-783/0,											
	9-10=-1/0	19 440/0 16 17 0/	00E										
BUICHURD	15-19=-127/07, 17-	18=-440/0, 16-17=0/2 5_0/1020 12 14_0/1	220,										
	12-13-0/1020, 14-1	2-0/505	020,										1111
WEBS	6-14-143/0 5-15-0	2-0/303										M''LL CI	ND"IL
WEBO	9-11=-632/0 9-12=	3/362 8-12=-340/0										THUT	NON!
	8-13=0/130 2-19=-8	34/159 2-18=-292/0									~	ON JERG	in the
	3-18=0/237, 4-17=-0	690/0. 4-16=0/495.									12		The as
	5-16=-578/0, 7-13=-	128/0, 6-13=-31/220	1							2		181 -	Re U
NOTES													
1) Unbalance	ed floor live loads have	e been considered fo	r							=		SEA	AL :
this design	1.									=	:	0363	222 :
										_	•		

All plates are 3x3 (=) MT20 unless otherwise indicated.
 One H2.5A Simpson Strong-Tie connectors

recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19. This connection is for uplift only and does not consider lateral forces.



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F18	Floor	7	1	Job Reference (optional)	174175461

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:57 ID:V2czvtSEdXMhr2nSf8SbKGz855s-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







1-0-0 15-10-0

Scale = 1:35.4

				_								
Loading	(psf)	Spacing	1-4-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.45	Vert(LL)	-0.14	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.20	15-16	>940	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.04	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 81 lb	FT = 20%F, 12%E
				•								
TOP CHORD	2x4 SP No.2(flat)											
BOLCHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
UTHERS	2x4 SP No.3(IIal)											
BRACING	0	- 46 (
TOP CHORD	6-0-0 oc purlins ex	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	c									
BOTOHORD	bracing.		0									
REACTIONS	(size) 11=0-3-8.	18=0-3-8										
	Max Grav 11=567 (L	_C 1), 18=571 (LC 1)									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-18=-28/0, 10-11=-	24/0, 1-2=0/0,										
	2-3=-1176/0, 3-4=-1	864/0, 4-5=-2100/0,										
	5-6=-2100/0, 6-7=-1	882/0, 7-8=-1882/0,										
	8-9=-1175/0, 9-10=-	1/0										
BOT CHORD	17-18=0/706, 16-17=	=0/1626, 15-16=0/20	073,									
	14-15=0/2100, 13-14	4=0/2100, 12-13=0/*	1615,									
	11-12=0/709	15/110 0 10 005	10									
WEBS	5-15=-166/47, 6-14=	-45/112, 2-18=-885	/0,									
	2-1/=0/012, 3-1/=-3	000/0, 3-10=0/310, 122/291 0 11_ 997	/0									11
	4-10=-272/0, 4-15=- 0-12=0/607 8-12=-5	77/0 8-13-0/3/1	70,								11" 1 CA	E III
	7-13=-75/96 6-13=-	480/0								1	THUR	ROM
NOTES										1.	On the S	Nº NIL
1) Unbalance	ed floor live loads have	e been considered fo	or						4	XX	2017	N'ANA
this design).		-						-			
2) All plates a	are 3x3 (=) MT20 unle	ess otherwise indicat	ted.						-			
3) Recomme	nd 2x6 strongbacks, o	n edge, spaced at							=	:	SEA	L : =
10-00-00 c	oc and fastened to eac	h truss with 3-10d							=		0363	22 : =
(0.131" X 3	3") nails. Strongbacks	to be attached to w	alls						1		0505	
at their out	ter ends or restrained l	by other means.									Ν.	1 3
4) CAUTION	, Do not erect truss ba	ckwards.							S	2.	N.E.	Rich
LOAD CASE(S) Standard									25	GIN	EFICALS
										11	10	REIN



G 11111111 June 13,2025

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Job	Truss	Truss Type Qty F		Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor			
	2F1A	Floor	1	1	Job Reference (optional)	174175462		

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:55 ID:Az1?SZea?Mkr2mx8ZItoWFzuzO8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





1-0-0 15-6-0

Scale = 1:35.4													
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	0.57	Vert(LL)	-0.18	15	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.24	15	>759	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	11	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 80 lb	FT = 20%F, 12%E	

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 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) 11=0-3-8, 18= Mechanical
	Max Grav 11=833 (LC 1), 18=839 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum
	1-1838/0 10-1135/0 1-2-0/0
	2-3-1713/0 3-4-2762/0 4-5-2762/0
	$5_{-6-3027/0}$ $6_{-7-2734/0}$ $7_{-8-2734/0}$
	9.0 - 1716/0, $0.10 - 2/0$
	17 19-0/10/0 16 17-0/2254 15 16-0/2027
BOT CHORD	17-18=0/1040, 10-17=0/2007, 10-10=0/0027,
	14-15=0/3027, 13-14=0/3027, 12-13=0/2355,
WEBS	5-15=-116/105, 6-14=-98/193, 2-18=-1304/0,
	2-17=0/876, 3-17=-835/0, 3-16=0/521,
	4-16=-171/37. 5-16=-599/27. 9-11=-1300/0.

NOTES

 Unbalanced floor live loads have been considered for this design.

7-13=-107/118, 6-13=-683/0

9-12=0/881, 8-12=-832/0, 8-13=0/484,

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



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Job	Truss	Truss Type	Qty	Ply	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2F19	Floor	2	1	Job Reference (optional)	174175463

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:57 ID:Az1?SZea?Mkr2mx8ZItoWFzuzO8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







1-0-0 15-9-8

Scale = 1:38.3

Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI TC BC WB	0.63 0.50 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.19 -0.26 0.04	(loc) 16-17 16-17 12	l/defl >975 >708 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code	IRC2021/1P12014	Iviatrix-5							weight: 81 lb	FT = 20%F, T2%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she 6-0-0 oc purlins. ex	athing directly applie cept end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	c									
REACTIONS	(size) 12=0-3-8, Max Grav 12=849 (L	19=0-3-8 _C 1), 19=849 (LC 1))									
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	1-19=-35/0, 11-12=- 2-3=-1753/0, 3-4=-2 5-6=-3135/0, 6-7=-3 8-9=-2811/0, 9-10=-	35/0, 1-2=-2/0, 835/0, 4-5=-2835/0, 135/0, 7-8=-2811/0, 1756/0, 10-11=-2/0										
BOT CHORD	18-19=0/1059, 17-18 15-16=0/3135, 14-18 12-13=0/1060	8=0/2416, 16-17=0/3 5=0/3135, 13-14=0/2	3087, 2414,									
WEBS	6-16=-272/50, 7-15= 2-18=0/903, 3-18=-8 4-17=-94/0, 5-17=-3 10-12=-1327/0, 10-1 9-14=0/506, 8-14=-1	-76/187, 2-19=-1320 363/0, 3-17=0/535, 98/0, 5-16=-181/428 3=0/907, 9-13=-857 03/131, 7-14=-715/0	6/0, 3, /0, 0								TH CA	Rojin
NOTES	,	- ,								A.	OFFESS	12 Vin

Ν

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

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	Stonefield Rev 3-Elev 4 w/crawl-Floor	
	2FGE2	Floor Supported Gable	1	1	Job Reference (optional)	174175464

Run: 25.20 S May 13 2025 Print: 25.2.0 S May 13 2025 MiTek Industries, Inc. Thu Jun 12 12:56:58 ID:Az1?SZea?Mkr2mx8ZltoWFzuzO8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

818 Soundside Road

Edenton, NC 27932



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