

RE: 2503-4262 <b>Site Information</b> Project Custome Lot/Block: 00.00 Model: Stoneha Address: 149 W City: Lillington <b>General Truss E</b> <b>Drawings Show</b> Design Code: IR Wind Code: ASCI Wind Speed: 120	: r: DRB Raleio 994 ven /himbrel Cour <b>ngineering C</b> Special Load C2021/TPI20 E 7-16	gh Proje t riteria & ing Cond	ct Nan St St <b>Desig</b>	ne: Blake l ubdivision: ate: NC n Loads (I 5): D	Blake Pond ndividual Tru esign Program: esign Method:	<b>ss Design</b> MiTek 20/2 MWFRS (D	Trenco 818 Soundside Rd Edenton, NC 27932 20 8.8 Directional)/C-C hybrid Wind ASCE 7-16
Roof Load: 40.0 p	-			FI	oor Load: N/A	s psi	
Mean Roof Height				E	xposure Catego	ory: B	
No. Seal# 1 I72869749	Truss Name 2F9			Seal#	Truss Name	Date 4/21/25	
1         I72869749           2         I72869750           3         I72869751           4         I72869752           5         I72869753           6         I72869755           8         I72869755           9         I72869756           9         I72869757           10         I72869758           11         I72869761           12         I72869761           13         I72869762           16         I72869765           18         I72869766           19         I72869766           19         I72869766           19         I72869767           20         I72869768           21         I72869767           22         I72869767           23         I72869770           23         I72869772           25         I72869773           26         I72869774           27         I72869775           28         I72869777           30         I72869778           31         I72869779           32         I72869778           31         I72869781 <tr< td=""><td>2F9A 2F8 2F16A 2F1 2F1 2F1 2F1 2F12 2F12 2F12 2F12 2F</td><td>4/21/25 4/21/25</td><td>33678901 344567890 233456789 12345678</td><td>172869783 172869784 172869785 172869786 172869788 172869789 172869790 172869790 172869791 172869793 172869793 172869795 172869795 172869795 172869799 172869799 172869800 172869801 172869803 172869804 172869805 172869804 172869805 172869804 172869805 172869804 172869805 172869805 172869805 172869805 172869804 172869805 172869805 172869811 172869811 172869813 172869814 172869814 172869816</td><td>1F13 1F14 1FGE7 2F22 2F22A 2F21 1F15 2F18 2F17 1F16 2F27 2F20 1FGE4 1F7 2F3 1F17 1FGE8 1F6 1FGE2 1FGE3 2FG1 2FG2 1FGE3 2FG2 1FGE3 2FG3 2FG3 2FG3 2F7</td><td>4/21/25 4/21/25</td><td></td></tr<>	2F9A 2F8 2F16A 2F1 2F1 2F1 2F1 2F12 2F12 2F12 2F12 2F	4/21/25 4/21/25	33678901 344567890 233456789 12345678	172869783 172869784 172869785 172869786 172869788 172869789 172869790 172869790 172869791 172869793 172869793 172869795 172869795 172869795 172869799 172869799 172869800 172869801 172869803 172869804 172869805 172869804 172869805 172869804 172869805 172869804 172869805 172869805 172869805 172869805 172869804 172869805 172869805 172869811 172869811 172869813 172869814 172869814 172869816	1F13 1F14 1FGE7 2F22 2F22A 2F21 1F15 2F18 2F17 1F16 2F27 2F20 1FGE4 1F7 2F3 1F17 1FGE8 1F6 1FGE2 1FGE3 2FG1 2FG2 1FGE3 2FG2 1FGE3 2FG3 2FG3 2FG3 2F7	4/21/25 4/21/25	

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters

My license renewal date for the state of North Carolina is December 31, 2025 **IMPORTANT NOTE:** The seal on these truss component designs is a configuration of the state of the state of the seal on the set of the seal of t designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Galinski, John

April 21,2025



RE: 2503-4262-A - Blake Pond Lot 00.0094 OWF

Trenco 818 Soundside Rd Edenton, NC 27932

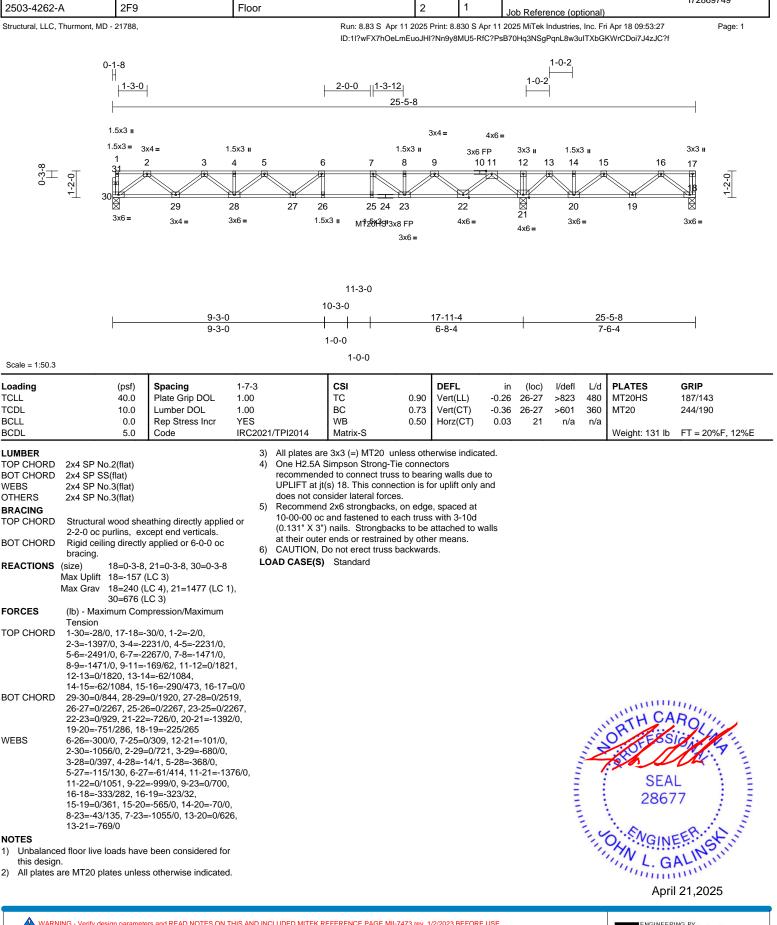
No. Seal# Truss Name Date

69 I72869817 1FGE10 4/21/25

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F9	Floor	2	1	I72869749 Job Reference (optional)	

1)

2)



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



Edenton, NC 27932

Job		Truss		Truss T	VDe			Qty	, T.	Ply	Blake Pon	d L at 00	00044			
	<u>`</u>	2F9A			չիշ			2		Piy 1					172869	9750
2503-4262-/ Structural, LLC,		-		Floor			00.0 4				Job Refere			Apr 18 09:53:27		Page: 1
-0-3-8 ⊤⊤	0-1. 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	-8  1-3-0   x3 = 3x 1 2 1 2	4 = 3x3= 2 3 29 3x4 =	1.5x3 II 3x2 4 5 28 3x6 =	27 2 3x3=	2-0-0 3= 6		-8 3) 3 II 9	2 2 2 2 2 2 2 2 2 2 2	4x6= 3x6 FP 10 11	B70Hq3NSgf		3x: 3 II 15	WrCDoi7J4zJC?f 3= 3x3=	3x3 II 17 3x6 =	1-2-0
Scale = 1:50.3 Loading TCLL		(psf) 40.0	9- <b>Spacing</b> Plate Grip DOL	3-0 3-0 1-10-0 1.00		11-3 10-3-0 1-0-0 1-0-0 1-0- <b>CSI</b> TC	0	0.67	0-8-4	.) -0.2		l/defl >800	7- L/d 480	-5-8 6-4 РLATES MT20HS	GRIP 187/143	
TCDL BCLL		10.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES		BC WB		0.78 0.57	Vert(C Horz(C	,		>585 n/a	360 n/a	MT20	244/190	
BCDL		5.0	Code	IRC202	1/TPI2014	Matrix-			``	,				Weight: 131 lb	FT = 20'	%F, 12%E
	(flat) 2x4 SP SS(fl 2x4 SP No.3i 2x4 SP No.3i Structural wc 6-0-0 oc purl Rigid ceiling bracing. (size) 18 Max Uplift 18 Max Grav 18	at) (flat) (flat) ood sheat ins, exc directly ==0-3-8, ==-165 (l	.C 4), 21=1674 (L	4) Died or 5) Doc LC	recommend UPLIFT at jt does not co	ed to conr (s) 18. Th nsider late d 2x6 stron and faste ) nails. Si r ends or i Do not ere	nect truss to is connectio ral forces. ngbacks, on ned to each rongbacks t restrained by ct truss bac	bearir n is fo edge, truss to be a y othe	ng walls or uplift of , spaceo with 3-1 attached or means	only and d at 0d to walls						
FORCES			pression/Maximu	m												
TOP CHORD	1-30=-33/0, 1 2-3=-1618/0, 5-6=-2897/0, 8-9=-1766/0, 12-13=0/198	3-4=-25 6-7=-26 9-11=-2 4, 13-14	34/0, 1-2=-2/0, 591/0, 4-5=-2591/ 663/0, 7-8=-1766/ 285/55, 11-12=0/ <sup>-</sup> I=-85/1166, 16=-339/504, 16-	0, 1985,												
BOT CHORD	29-30=0/975 26-27=0/266	, 28-29= 3, 25-26 3, 21-22	=0/2225, 27-28=0 6=0/2663, 23-25= 2=-742/0, 20-21=-	/2931, 0/2663,									and a	ORTH CA	ROU	111
this design	6-26=-304/0, 2-30=-1221// 3-28=0/468, 5-27=-142/15 11-21=-1562 9-23=0/792, 15-19=0/390 7-23=-1200/0 13-20=0/697 d floor live load	7-25=0. ), 2-29=: 4-28=-1. 54, 6-27: /0, 11-2. 16-18=- , 15-20= 0, 14-20: ds have	/316, 12-21=-119 0/836, 3-29=-790 4/2, 5-28=-433/0,	/0, 1142/0, 347/41, /174, 59/0, for								. ADDITION	North States	SEA 2867	ER.	A Commentation

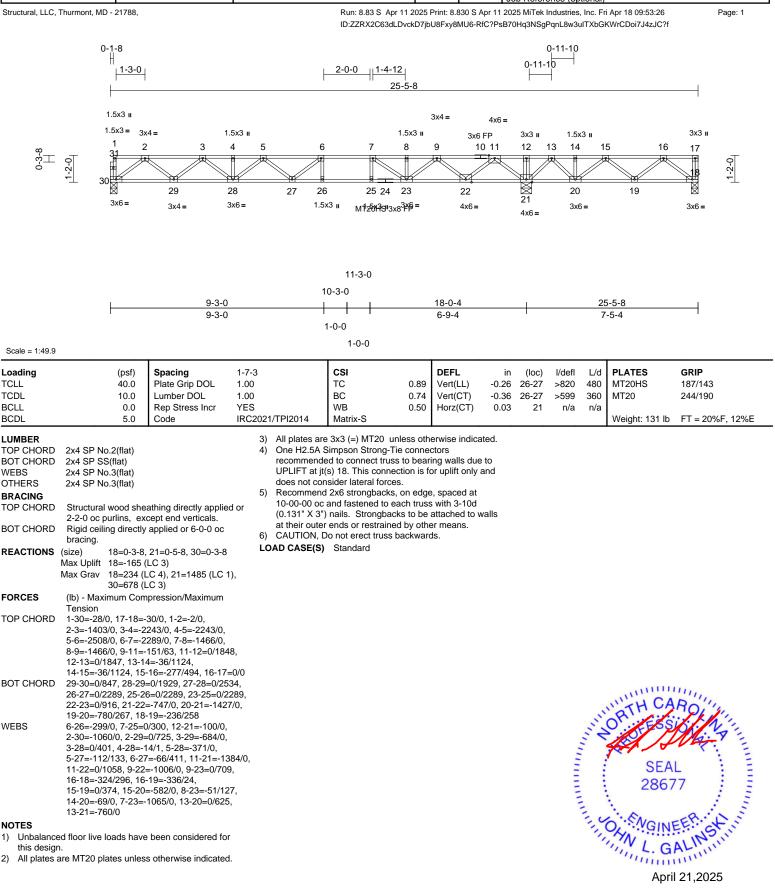
TRENCO A MITEK Affiliate

818 Soundside Road Edenton, NC 27932

April 21,2025

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)

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F8	Floor	2	1	Job Reference (optional)	172869751



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Edenton, NC 27932

Job Tru:	SS	Truss Type		Qty	Ply	Blake Pon	d Lot 00	.0094 0	OWF	
2503-4262-A 2F9		Floor		1	1					172869752
Structural, LLC, Thurmont, MD - 21788			Run: 8.83 S Apr 11	2025 Print: 8.		Job Refere			Apr 18 09:53:27	Page: 1
	3x4 = 1.5x3 2 3 4 2 3 4 2 2 3 2 3 4 2 3 4 2 9 28 3x4 = 3x6	3 <b>1</b> 5 6 <b>1 1 1 1 1 1 1 1 1 1</b>	ID:11?wFX7hOeLmE 0-0   1-3-12  25-2-0 1.5x3 ⊪ 7 8 1.5x3 ⊪ 7 8 25 24 23 Mr₱2ðн♥S 3x8 FP 3x6 =	3x4 =	4x4 = 8x6 FP 11 10 12 12 13 10	1-0-2	-2 	15	16 19	xx3 = 77 77 77 77 77 77 77 77 77 77 77 77 77
	<u>8-11-8</u> 8-11-8	9-11-8   1-0-0		<u>17-7-12</u> 6-8-4		ł		<u>25-2-0</u> 7-6-4		4
Loading (psf)	Spacing	1-7-3	CSI	DEF		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL	1.00 1.00		0.84 Vert( 0.72 Vert(	,	24 26-27 32 26-27	>886 >647	480 360	MT20HS MT20	187/143 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr	YES IRC2021/TPI2014		0.72 Vent 0.49 Horz	,	03 21	>647 n/a	560 n/a		244/190 FT = 20%F, 12%E
(flat) WEBS 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood s 5-8-3 oc purlins, BOT CHORD Rigid ceiling direc bracing. REACTIONS (size) 18=0-3 Mechaa Max Uplift 18=-14 Max Grav 18=24	sheathing directly applied except end verticals. ctly applied or 6-0-0 oc 3-8, 21=0-3-8, 30= unical	I or 6) Recommended 100 6) Recommend 100 7) 10000 cc at (0.131" X 3") 100 CAUTION, DO 100 CASE(S)	impson Strong-Tie c d to connect truss to s) 18. This connection sider lateral forces. 2x6 strongbacks, or and fastened to each nails. Strongbacks tends or restrained b o not erect truss bac Standard	bearing wa on is for uplif n edge, spac n truss with 3 to be attach y other mea	t only and ed at 3-10d ed to walls					
FORCES (Ib) - Maximum C Tension TOP CHORD 1-30=-31/0, 17-11 2-3=-1371/0, 3-4: 5-6=-2410/0, 6-7: 8-9=-1470/0, 9-1 12-13=0/1765, 13 14-15=-69/1039,	compression/Maximum 8=-30/0, 1-2=0/0, =-2182/0, 4-5=-2182/0, =-2214/0, 7-8=-1470/0, 1=-195/61, 11-12=0/1765	0/0								
26-27=0/2214, 25	5-26=0/2214, 23-25=0/22 -22=-687/0, 20-21=-1336	214,						and a	ORTH CA	ROJIN
WEBS 6-26=-327/0, 7-23 2-30=-1042/0, 2-3 3-28=0/385, 4-28 5-27=-126/135, 6 11-21=-1355/0, 1 9-23=0/686, 16-1 15-19=0/346, 15-	5=0/286, 12-21=-98/0, 29=0/703, 3-29=-664/0, 3=-27/0, 5-28=-330/0,	/34,					. CONTRACTOR	N	SEA 2867	EER. Strund
NOTES 1) Unbalanced floor live loads ha	ave been considered for							14	YNI	ALINS, I'I'
<ol> <li>Onbalanced floor live loads ha this design.</li> <li>All plates are MT20 plates un</li> </ol>									Apri	21.2025
•	meters and READ NOTES ON TI								ENGINEER	

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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F16A	Floor	1	1	Job Reference (optional)	172869753

Structural, LLC, Thurmont, MD - 21788

Loading

TCLL

TCDI

BCLL

BCDL

LUMBER

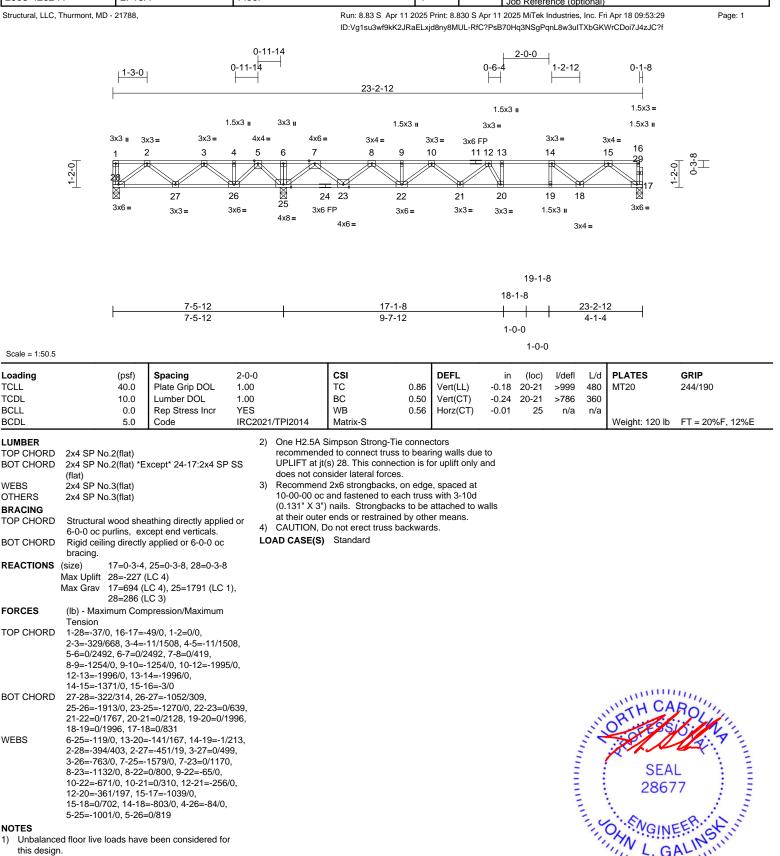
WEBS

OTHERS

FORCES

WEBS

NOTES



1) this design.

mm April 21,2025

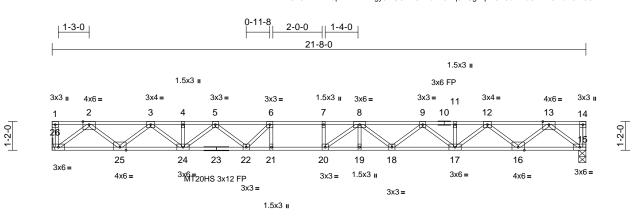


Edenton, NC 27932

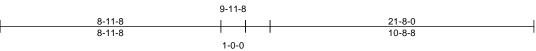
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ſ	Job	Truss	Truss Type Qty Ply Bla		Blake Pond Lot 00.0094 OWF I72869754		
	2503-4262-A	2F4	Floor	1 1 Job Reference (optional)		Job Reference (optional)	172869754

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:25 ID:IP4Gn81I2VTmupmzNKNk?gy8MUC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



10-11-8



1-0-0

Scale = 1:46.8

	·											
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 YES IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.55 0.64 0.54	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.44 -0.61 0.08	(loc) 19-20 19-20 15	l/defl >582 >423 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 111 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD	2x4 SP DSS(flat)											
WEBS	2x4 SP No.3(flat)											
BRACING TOP CHORD		athing directly appli										
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		ed or									
BOT CHORD			c									
REACTIONS	(size) 15=0-3-8 Max Grav 15=942 (I	, 26= Mechanical LC 1), 26=942 (LC 1	)									
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD		8545/0, 4-5=-3545/0, 1765/0, 7-8=-4765/0, -3539/0, 11-12=-353										
BOT CHORD	25-26=0/1187, 24-2 21-22=0/4765, 20-2 18-19=0/4751, 17-1 15-16=0/1186	1=0/4765, 19-20=0/4	4751,									
WEBS	6-21=-113/252, 7-20 2-25=0/1124, 3-25= 4-24=-71/0, 5-24=-6 6-22=-695/0, 13-15=	-1090/0, 3-24=0/840 888/0, 5-22=0/576, =-1489/0, 13-16=0/1	), 124,								SEA 2867	ROUT
	12-16=-1090/0, 12-1 9-17=-720/0, 9-18=0	,	3/0,							22	S SILT	AN: SI
	8-19=-53/126, 8-20=									3	ANN	1 71. 2
NOTES									-		Y. 054	
	ed floor live loads have	e been considered fo	or						-		SEA	
	are MT20 plates unles	s otherwise indicate	d.						-		2867	/ : E
3) Refer to g	girder(s) for truss to trus	ss connections.								-	N	1 3
	2x6 strongbacks, on e									30	S.ENO	ER. DS
	stened to each truss w									11	GIN	SUST

nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

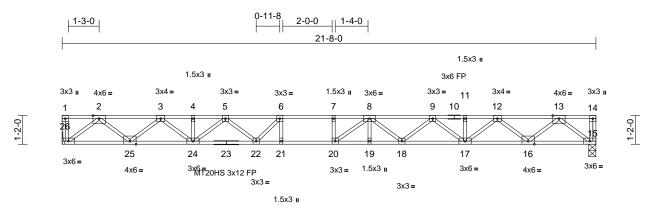


Page: 1

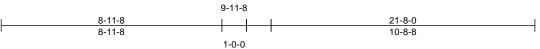
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Job	Truss	russ Truss Type Qty Ply		Ply	Blake Pond Lot 00.0094 OWF I72869755				
2503-4262-A	2F1	Floor	2	1	Job Reference (optional)	172869755			

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:24 ID:dvoM3it86VqcqpGT66eh\_xy8MUP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f









Scale = 1:46.8

Loading	(psf)	Spacing	1-7-3	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)		. ,	>582	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.64	Vert(CT)	-0.61	19-20	>423	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S		- (- /					Weight: 111 lb	FT = 20%F, 12%E
											0	· · · · ·
LUMBER												
TOP CHORD												
BOT CHORD	2x4 SP DSS(flat)											
WEBS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she		ed or									
	6-0-0 oc purlins, except end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	<b>;</b>									
	bracing.											
REACTIONS	· · ·	26= Mechanical										
	Max Grav 15=942 (L		)									
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-26=-32/0, 14-15=-	, ,										
	2-3=-2050/0, 3-4=-3	, , ,										
	5-6=-4440/0, 6-7=-4 8-9=-4424/0, 9-11=-3	, , ,	0/0									
	12-13=-2050/0, 13-1	,	9/0,									
BOT CHORD	25-26=0/1187, 24-25		1084									
BOT ONORD	21-22=0/4765, 20-2											
	18-19=0/4751, 17-18	,	· · · · · · · · · · · · · · · · · · ·									
	15-16=0/1186		,									
WEBS	6-21=-113/252, 7-20	=-175/25, 2-26=-148	39/0,									
	2-25=0/1124, 3-25=-	-1090/0, 3-24=0/840	,									ing,
	4-24=-71/0, 5-24=-6	88/0, 5-22=0/576,									WAH CA	Roll
	6-22=-695/0, 13-15=	,	,							N	River	JALIN'S
	12-16=-1090/0, 12-1	,	/0,							33	U.SEPS	Chi Vit
	9-17=-720/0, 9-18=0									5 1		7: 1 -
_	8-19=-53/126, 8-20=	-364/506							1		SEA 2867	S : 2
NOTES											SEA	1 1 2
,	ed floor live loads have	been considered fo	r						=			
this design									=		286/	7 : E
	are MT20 plates unles		3.						-		•	1 - E -
	irder(s) for truss to trus 2x6 strongbacks, on eo		0.00							1	N	A 1. 2
	tened to each truss wi									24	O'SNGINI	Ent
	ongbacks to be attache									11	'AN GIN	S. S.
	strained by other mean										VIG	ALILIN
LOAD CASE(											L.G.	unit.
	c, clandard											

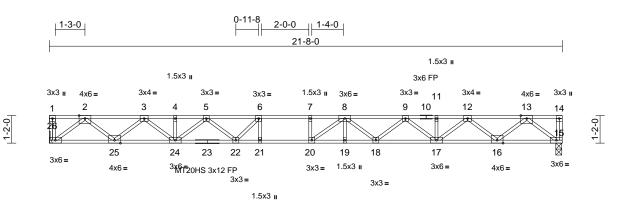


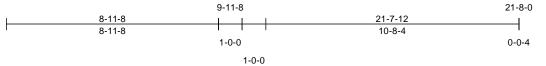
Page: 1

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Job	Truss	Truss Type Qty Ply Blake		Blake Pond Lot 00.0094 OWF		
2503-4262-A	2F2	Floor	3	1	Job Reference (optional)	172869756

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:24 ID:wFj?X5zXSficAulp04GKmPy8MUI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







Scale = 1:48.7

Scale = 1.40.7				_								
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	1-7-3 1.00 1.00 YES	CSI TC BC WB	0.55 0.64 0.54	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.44 -0.61 0.08	(loc) 19-20 19-20 15	l/defl >582 >423 n/a	L/d 480 360 n/a	PLATES MT20HS MT20	<b>GRIP</b> 187/143 244/190
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 111 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP DSS(flat) 2x4 SP No.3(flat)											
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		ed or									
BOT CHORD	Rigid ceiling directly bracing.		2									
REACTIONS		, 26= Mechanical										
	Max Grav 15=942 (L		)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-26=-32/0, 14-15=- 2-3=-2050/0, 3-4=-3 5-6=-4440/0, 6-7=-4 8-9=-4424/0, 9-11=- 12-13=-2050/0, 13-1	545/0, 4-5=-3545/0, 765/0, 7-8=-4765/0, 3539/0, 11-12=-3539 14=0/0	,									
	21-22=0/4765, 20-2 18-19=0/4751, 17-1 15-16=0/1186											
WEBS	6-21=-113/252, 7-20 2-25=0/1124, 3-25=- 4-24=-71/0, 5-24=-6 6-22=-695/0, 13-15= 12-16=-109/0, 12-1 9-17=-720/0, 9-18=0 8-19=-53/126, 8-20=	-1090/0, 3-24=0/840 88/0, 5-22=0/576, 1489/0, 13-16=0/1 17=0/832, 11-17=-53 0/418, 8-18=-418/0,	, 124,							And And	ORTH CA	ROHINA
<ul> <li>this design</li> <li>2) All plates a</li> <li>3) Refer to gi</li> <li>4) Required 2</li> <li>oc and fas</li> <li>nails. Strop</li> </ul>	ed floor live loads have n. are MT20 plates unles irder(s) for truss to trus 2x6 strongbacks, on ed stened to each truss wi ongbacks to be attache istrained by other mean	e been considered fo s otherwise indicated ss connections. dge, spaced at 10-00 th 3-10d (0.131" X 3 ed to walls at their ou	d. D-00 ")							J. M.	SEA 2867	EER. K



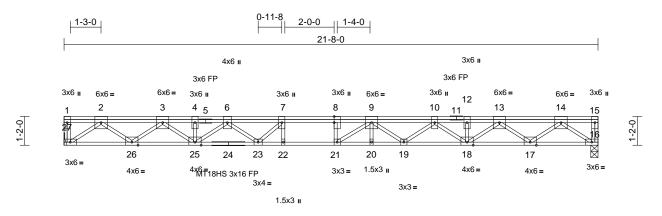
Page: 1

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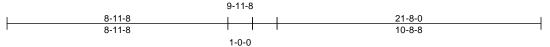


Job	Truss	Truss Type Qty Ply Bla		Blake Pond Lot 00.0094 OWF		
2503-4262-A	2F1A	Floor	3	1	Job Reference (optional)	172869757

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:24 ID:dvoM3it86VqcqpGT66eh\_xy8MUP-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



10-11-8



1-0-0

Scale = 1:46.8

# Plate Offsets (X, Y): [8:0-3-0,Edge]

·	, , , , , , , , , , , , , , , , , , , ,	1		-								
Loading	(psf)	Spacing	1-10-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)		20-21	>614	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.58	20-21	>447	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.10	16	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 140 lb	FT = 20%F, 12%E
					-						- 5	,
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	( )											
BOT CHORD	( )											
WEBS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD			ed or									
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly		•									
BUICHURD	bracing.	applied of 10-0-0 0	C									
REACTIONS	•	, 27= Mechanical										
REACTIONS	Max Grav 16=1080		C 1)									
FORCES	(lb) - Maximum Corr		5 1)									
FURGES	Tension	ipression/waximum										
TOP CHORD		46/0 1-2=0/0										
	2-3=-2477/0, 3-4=-4											
	6-7=-5393/0, 7-8=-5	, ,										
	9-10=-5357/0, 10-12	2=-4307/0,										
	12-13=-4307/0, 13-1											
BOT CHORD	26-27=0/1435, 25-2	6=0/3486, 23-25=0/4	4925,									
	22-23=0/5775, 21-2											
	19-20=0/5736, 18-1	9=0/4962, 17-18=0/3	3486,									
WEBS	16-17=0/1434 7-22=-47/112, 8-21=	272/466 2 27 47	161/0								minin	11111
WEDS	2-26=0/1324, 3-26=										W'TH CA	Rolly
	4-25=-139/0, 6-25=-		,							5	River	in the star
	7-23=-747/0, 14-16=		325.							2.	0	Chi Via
	13-17=-1282/0, 13-1									35		13: 7 -
	10-18=-818/0, 10-19	9=0/501, 9-19=-473/	/0,						2		Prove and a second	K 1 2
	9-20=-25/45, 9-21=-	407/610									SFA	1 1 2
NOTES									=		SEA 2867	L : E
	ed floor live loads have	e been considered fo	or						Ξ		2867	/ : :
this desigr											<b>1</b>	1 5
	are MT20 plates unles		d.							1	·	0123
	irder(s) for truss to trus									24	O. SNGINI	Enters
	2x6 strongbacks, on e									11	YA,	
	stened to each truss w ongbacks to be attache										11 LG	ALIN
	estrained by other mea		ulei								L.G.	IIIII
enus of Te	sonamed by other filed	113.										



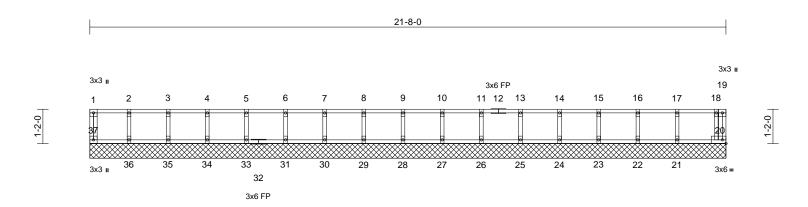
April 21,2025

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FGE1	Floor Supported Gable	1	1	Job Reference (optional)	172869758

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:34 ID:IgchLyEz1jcLQQZEtPAkBGy8MTx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



### Scale = 1:39.2

-													
Loading	(psf)	Spacing	1-7-3		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		TC	0.07	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	20	n/a	n/a		
BCDL	5.0	Code		21/TPI2014	Matrix-R	0.00	110112(12)	0.00	20	n/a	n, a	Weight: 92 lb	FT = 20%F, 12%E
	0.0	0000	111020	21/11/2011	Mathx It							Wolght. 02 lb	11 = 20/01, 12/02
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc purlins, exe Rigid ceiling directly bracing.	applied or 10-0-0 oc	for N 1 2	5 8 1 1 1 NOTES ) All plates are indicated. 2) Gable require	2-36=-102/0, 3-35= 5-33=-107/0, 6-31= 3-29=-107/0, 9-28= 1-26=-107/0, 13-2 5-23=-107/0, 16-2 8-20=-74/0 1.5x3 (  ) MT20 u as continuous bottu ully sheathed from	=-107/0, =-107/0, 25=-107/ 22=-105/ unless of	7-30=-107/0, 10-27=-107/0, /0, 14-24=-106 /0, 17-21=-114 therwise d bearing.	5/0,					
REACTIONS	23=21-8-( 26=21-8-( 29=21-8-( 33=21-8-( 33=21-8-( 36=21-8-( 22=14-( 22=14-( 22=114-( 24=117-(L 26=117-(L 30=117-(L 30=117-(L 33=117-(L))))	.C 1), 23=118 (LC 1), .C 1), 25=117 (LC 1), .C 1), 27=117 (LC 1), .C 1), 29=117 (LC 1), .C 1), 31=117 (LC 1), .C 1), 31=117 (LC 1), .C 1), 34=117 (LC 1), .C 1), 36=110 (LC 1),	3-0, 4 3-0, 5 3-0, 5 3-0, L	<ul> <li>braced again</li> <li>Gable studs :</li> <li>Recommend 10-00-00 oc : (0.131" X 3")</li> </ul>	st lateral moveme spaced at 1-4-0 oc 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained	nt (i.e. d c. on edge ach truss ks to be	iagonal web). e, spaced at s with 3-10d attached to wa	alls				when CA	Politic
FORCES	(lb) - Maximum Com Tension	pression/Maximum									an'	OPLESS	R. Main
TOP CHORD	1-37=-47/0, 19-20=0 3-4=-12/0, 4-5=-12/0 7-8=-12/0, 8-9=-12/0 10-11=-12/0, 11-13= 14-15=-12/0, 15-16= 36-37=0/12, 35-36= 33-34=0/12, 31-33=0 29-30=0/12, 28-29=( 23-24=0/12, 22-23=0 20-21=0/12	0, 5-6=-12/0, 6-7=-12/ 0, 9-10=-12/0, -12/0, 13-14=-12/0, -2/0, 16-17=-12/0, -2/0, 0/12, 34-35=0/12, 0/12, 30-31=0/12, 0/12, 27-28=0/12, 0/12, 24-25=0/12,								CONTRACTOR .	Star Start	SEA 2867	ALIN

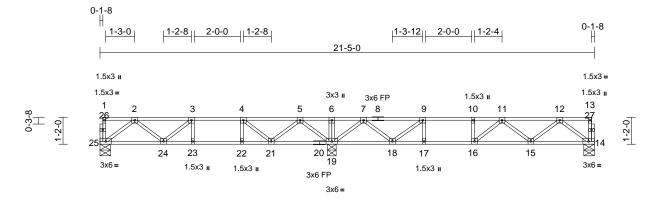
April 21,2025



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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F5	Floor	1	1	Job Reference (optional)	172869759

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:17 ID:9wzDLEVFSHeWvT8IIATnJYzewTm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:49.9

Scale = 1:49.9											
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 IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.45 0.67 0.25	DEFL Vert(LL) Vert(CT) Horz(CT)	(loc) 15-16 15-16 14	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 106 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
	0.0	0000				L	 -	-		Wolght. Too is	11 - 20/01, 12/02
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	( )		LOAD CASE(S)	Standard							
BRACING											
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		ed or								
BOT CHORD		applied or 10-0-0 o	с								
REACTIONS	•	, 19=0-4-8, 25=0-5-8	3								
	Max Grav 14=467 (I		1),								
FORCES	25=405 (l (lb) - Maximum Com	,									
FORCES	(ID) - Maximum Con Tension	pression/waximum									
TOP CHORD		0/0, 4-5=-598/9, 64, 7-9=-740/0,	80/0,								
BOT CHORD		=0/900 22-23=0/90	0								
Bor onone	21-22=0/900, 19-21		o,								202
	18-19=-102/377, 17										11111
WEBS	16-17=0/1165, 15-1		572							TH UA	Roite
WEBS	3-23=-88/10, 4-22=0 9-17=0/128, 10-16=								5	O	id: Min
	5-21=0/440, 4-21=-4		,						24	AI	14: 7 -
	7-18=0/533, 9-18=-6	,	·							The A	Mr. E
	12-15=0/401, 11-15 2-25=-617/0, 2-24=0							=		SEA	1 1 1
NOTES	2 20017/0, 2-24=0	5/250, 5-24250/14						=		SEA 2867	- : E
	ed floor live loads have	e been considered fo	or					-		200/	1 : 5
this desigr									1		1 8
	are 3x3 (=) MT20 unle		ted.						50	S.ENO	FRILS
	end 2x6 strongbacks, on oc and fastened to eac								11	GIN	SIN
	3") nails. Strongbacks		valls						1	LG	ALIMIN
at their out	ter ends or restrained	by other means.								N L. G	IIIII
<ol><li>CAUTION</li></ol>	l, Do not erect truss ba	ackwards.								1995 A. 20	

4) CAUTION, Do not erect truss backwards.



Page: 1

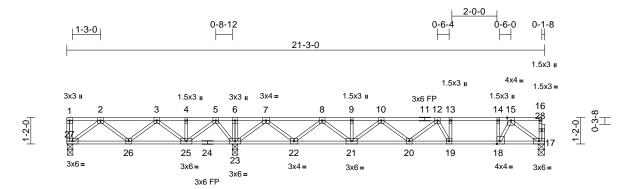
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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F14	Floor	3	1	Job Reference (optional)	172869760

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:28 ID:Vg1su3wf9kK2JRaELxjd8ny8MUL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:51.2

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

	1	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	0.82		-0.13	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	``'	-0.17		>963	360	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.01	23	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI20	14 Matrix-S		,					Weight: 111 lb	FT = 20%F, 12%E
LUMBER				le mechanical connectio	on (by oth	ers) of truss	to					
TOP CHORD	( )			ig plate at joint(s) 23.								
	2x4 SP No.2(flat)			12.5A Simpson Strong-T imended to connect trus			to					
WEBS	2x4 SP No.3(flat)			T at it(s) 27. This connect								
OTHERS	2x4 SP No.3(flat)			not consider lateral force		or upint only a	anu					
BRACING			E) Deee	nmend 2x6 strongbacks		snaced at						
TOP CHORD	6-0-0 oc purlins, ex		10-00	-00 oc and fastened to e	each truss	with 3-10d	alls					
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	at the	r outer ends or restraine ION, Do not erect truss	ed by othe	er means.	vans					
REACTIONS	· · ·	23=0-3-0, 27=0-3-0	,	SE(S) Standard	Dackwall	JO.						
	Max Uplift 27=-145 (			Scanuaru								
	Max Grav 17=378 (I 27=194 (I		1),									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD												
		24/971, 4-5=-24/971	,									
	5-6=0/1615, 6-7=0/1	, , ,										
	8-9=-580/0, 9-10=-5	, ,	2/0									
	15-16=-3/0	1=-759/0, 14-15=-759	9/0,									107 A.F
BOT CHORD		-26675/216										1111
BOT ONORD	23-25=-1300/0, 22-2										"TH CA	Roil
		21=0/846, 19-20=0/9	38,							1	A Lin	
	18-19=0/759, 17-18	=0/469								22	ike py	Por Var
WEBS	6-23=-64/0, 13-19=-	14/232, 14-18=-433/	0,								4/1/	Neg: 1 2
		6=-290/17, 3-26=0/32	22,								R	N 1
	3-25=-494/0, 7-23=-										SEA	n 1 E
	8-22=-660/0, 8-21=0										0007	<b>.</b>
		)=0/122, 12-20=-76/0							-		286/	: :
	4-25=-67/0, 5-25=0/	7=-585/0, 15-18=0/61 620	i∠,									1 2
NOTEO	4-20=-07/0, 0-25=0/	020, 3-23=-399/0								2	1. A.	als S
NOTES	ad flaar live laada have	haan aanaidanad fa	-							1,0	SEA 2867	EENA
this design	ed floor live loads have	e been considered to	I							11	YA	INS, I'
	n. are 3x3 (=) MT20 unle	ess otherwise indicate	ed.								L.G.	ALIN
											111111	111

April 21,2025

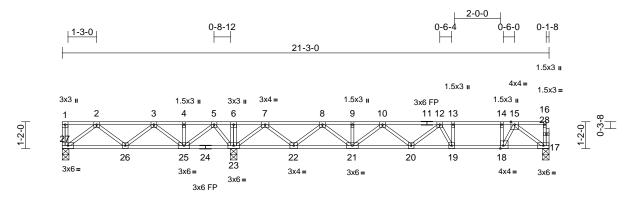
818 Soundside Road Edenton, NC 27932

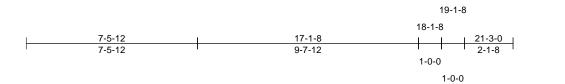
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 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	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F12	Floor	5	1	Job Reference (optional)	172869761

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:28 ID:1UUUhjw1OQCBhH?2nEBObZy8MUM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:50.3

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

		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	0.82	Vert(LL)	-0.13	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.17		>963	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.01	23	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI20	14 Matrix-S							Weight: 111 lb	FT = 20%F, 12%E
			0) 0	10 FA Oires Otros								
				12.5A Simpson Strong-T			to					
TOP CHORD	( /			mended to connect trus								
BOT CHORD	( /			not consider lateral force		or upint only a	anu					
WEBS	2x4 SP No.3(flat)			nmend 2x6 strongbacks		s spaced at						
OTHERS	2x4 SP No.3(flat)			-00 oc and fastened to e								
BRACING			(0.404	" X 3") nails. Strongba			valls					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex			r outer ends or restraine			rano					
BOT CHORD			5) CAUT	ION, Do not erect truss	backward	ds.						
	bracing.		LOAD CA	SE(S) Standard								
REACTIONS	(size) 17=0-3-8	, 23=0-3-8, 27=0-3-8										
	Max Uplift 27=-145 (	(LC 4)										
	Max Grav 17=378 (I	LC 4), 23=1127 (LC	1),									
	27=194 (I	LC 3)										
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD	1-27=-25/0, 16-17=-	50/0 1-2-0/0										
		-24/971, 4-5=-24/971										
	5-6=0/1615, 6-7=0/1	,	,									
	8-9=-580/0, 9-10=-5											
		4=-759/0, 14-15=-75	9/0.									
	15-16=-3/0		,									11 A.
BOT CHORD	26-27=-205/213, 25	-26=-675/216,									1111 CA	
	23-25=-1300/0, 22-2	,									TH UA	ROUT
	21-22=-21/245, 20-2	21=0/846, 19-20=0/9	38,							1	A Ato	1411
	18-19=0/759, 17-18	=0/469								22	A A A	Prinst,
WEBS	6-23=-64/0, 13-19=-	-14/232, 14-18=-433/	/0,							- 7		112:1 2
	2-27=-268/258, 2-26	6=-290/17, 3-26=0/32	22,								pro-	1 2
	3-25=-494/0, 7-23=-	, ,							-		SEA	1 1 2
	8-22=-660/0, 8-21=0	, ,							=			<u>-</u> : :
		0=0/122, 12-20=-76/0									2867	1 : 5
		7=-585/0, 15-18=0/6	12,								•	1 E -
	4-25=-67/0, 5-25=0/	620, 5-23=-599/0								1	SEA 2867	A 1. 8
NOTES										24	6 SNGINI	ENT
,	ed floor live loads have	e been considered fo	r							1	A. GIN	SI
this design										1		
<ol><li>All plates a</li></ol>	are 3x3 (=) MT20 unle	ess otherwise indicat	ed.								1111111	unin'
											- ann	114.0

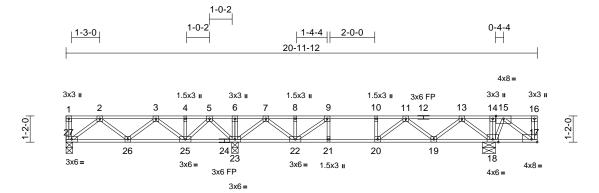


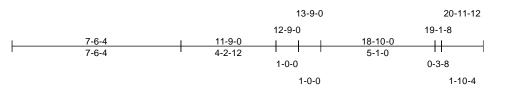
April 21,2025

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ſ	Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
	2503-4262-A	2F23A	Floor	1	1	Job Reference (optional)	172869762

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:31 ID:KqP897?Qla4B1M1OiCp1O2y8MUF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:51.3

# Plate Offsets (X, Y): [17:Edge,0-1-8]

		-											
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	0.89		0.08	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.52	Vert(CT)	0.13	19-20	>999	360		
BCLL	0.0	Rep Stress Incr	NO		WB	0.88	Horz(CT)	-0.02	18	n/a	n/a		
BCDL	5.0	Code	IRC202	I/TPI2014	Matrix-S							Weight: 112 lb	FT = 20%F, 12%E
		•	0)									•	
			3)		Simpson Strong-Tie ed to connect truss			to					
TOP CHORD	2x4 SP No.2(flat)				s) 27. This connec								
BOT CHORD	( )				sider lateral forces		or upint only	anu					
WEBS	2x4 SP No.3(flat)		4)		1 has/have been		d Building						
BRACING	0	- the internation of the second line of	,		st review loads to			orrect					
TOP CHORD		athing directly applied	JOF		led use of this trus								
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly		5)		2x6 strongbacks,		, spaced at						
BOICHURD	bracing.		- /		and fastened to ea								
REACTIONS	•	23=0-3-8, 27=0-3-8			nails. Strongback			valls					
	Max Uplift 27=-18 (L				ends or restrained								
	Max Opint 27=-18 (L Max Grav 18=1771				o not erect truss b								
	27=224 (L		), 7)		other connection								
FORCES	(lb) - Maximum Com	,			icient to support c								
FURGES	(ib) - Maximum Com Tension	ihiession/iniaximum			0-10-4 on top choi			tion					
TOP CHORD	1-27=-25/0, 16-17=-	1118/0 1-2=0/0			ection device(s) is	me resp	DONSIDINITY OF						
		172/340, 4-5=-172/34	10. ov	others.	CASE(S) section,	loade a	onlined to the	face					
	5-6=0/816, 6-7=0/81		, 0)		ire noted as front (								
	8-9=-199/603, 9-10=			AD CASE(S)	,	, , , , , ,	on (D).						
	10-11=-360/910, 11-	-13=0/1509,	1)		or Live (balanced):	lumbe	r Increase-1	00					
	,	5=0/2044, 15-16=0/0	1)	Plate Increa	· · · ·			.00,					
BOT CHORD	26-27=-39/253, 25-2	,		Uniform Lo									111.
	23-25=-481/0, 22-23				27=-7, 1-16=-67							WHICA	Pall
	21-22=-910/360, 20-				ed Loads (lb)							all	10/11
	19-20=-1248/174, 18	8-19=-1745/0,			-1084 (F=-700)						N.	O' ASS	KIN'S
WEBS	17-18=-1471/0	111/10 10 20- 220/0	<b>`</b>								24	all H	Vi. 7 -
WEBS		111/19, 10-20=-236/0 318/48, 2-26=-93/65,									2	:0/1/	Ki i
	,	-318/48, 2-26=-93/65, -311/0, 7-23=-524/81									1	ORTHCA SEA 2867	. i i i i i i
		=-821/0, 7-23=-524/81 3=-821/0, 13-19=0/548								=		SEA	L ; =
		)=0/557, 15-17=0/184								3		2867	7 : E
		5=-57/0, 8-22=-170/5,	-,							-		. 2007	1 E E
		5=0/382, 5-23=-497/0									2	N	1 8
NOTES											20	E.En	RINS
	ed floor live loads have	been considered for									1	O GINF	E. CY
this design											1	NI -	1 IN IN
	are 3x3 (=) MT20 unle	ess otherwise indicate	ed.									11, L. G.	ALIN
												in the second	mu.

April 21,2025

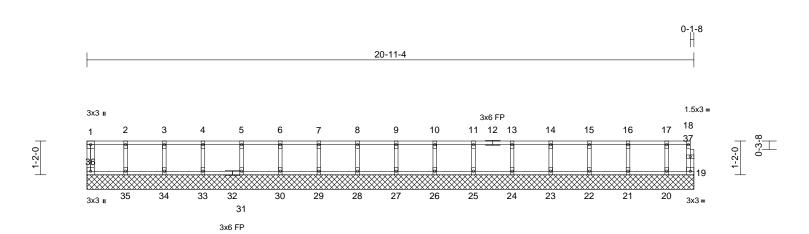
Page: 1



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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FGE3	Floor Supported Gable	1	1	Job Reference (optional)	172869763

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:35 ID:9FIq\_HrKe\_wHulpYXkRpuy8MTu-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:39.7

Scale = 1:39.7													
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0 1.00		CSI TC	0.05	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	<b>GRIP</b> 244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.03	Vert(TL)	n/a	-	n/a	999	WIT20	244/190
BCLL	0.0	Rep Stress Incr	YES		WB	0.02	Horiz(TL)	0.00	19	n/a	n/a		
BCDL	5.0	Code	IRC2021	/TPI2014	Matrix-R							Weight: 88 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	21=20-11- 23=20-11- 25=20-11- 27=20-11- 31=20-11- 31=20-11- 36=20-11- 36=20-11- Max Grav 19=22 (LC 21=102 (L 23=98 (LC (LC 1), 26 1), 28=98 30=98 (LC	xept end verticals. applied or 10-00 oc 4, 20=20-11-4, 4, 22=20-11-4, 4, 24=20-11-4, 4, 28=20-11-4, 4, 33=20-11-4, 4, 33=20-11-4, 4, 33=20-11-4, 4, 35=20-11-4, 4, 35=20-11-4, 4, 35=20-11-4, 5, 1), 20=79 (LC 1), C 1), 22=97 (LC 1), C 1), 22=98 (LC 1), 27=98 (I (LC 1), 29=98 (LC 1), 3=98 (LC 1), 35=98 (I	d or 1) 2) 3) 4) 5) 6) LO 5=98 _C ), 3=98	TES All plates are indicated. Gable require. Truss to be fi braced again Gable studs Recommend 10-00-00 oc (0.131" X 3") at their outer	2-35=-88/0, 3-34= 5-31=-89/0, 6-30= 3-28=-89/0, 9-27= 11-25=-89/0, 13-2 15-22=-88/0, 16-2 1.5x3 (  ) MT20 as continuous boid ully sheathed from ts lateral movem spaced at 1-4-0 c 2x6 strongbacks and fastened to 6 nails. Strongbacks and fastened to 6 nails. Strongbacks and fastened to 6 nails. Strongbacks and fastened to 6 and statened to 7 Standard	89/0, 7- 89/0, 10 89/0, 10 89/0, 10 	29=-89/0, -26=-89/0, 14-23=-89/0, 14-23=-89/0, 17-20=-74/0 therwise d bearing. e or securely iagonal web). agonal web). agonal web. s, spaced at s with 3-10d that tached to w: er means.	alls				OR THE	ROUTIN
FORCES	(lb) - Maximum Com Tension	pression/Maximum									1	44 A	NA
TOP CHORD	1-36=-36/0, 18-19=-7 3-4=-4/0, 4-5=-4/0, 5 7-8=-4/0, 8-9=-4/0, 9 11-13=-4/0, 13-14=-4 15-16=-4/0, 16-17=-4 35-36=0/4, 34-35=0/ 30-31=0/4, 29-30=0/ 26-27=0/4, 25-26=0/ 22-23=0/4, 21-22=0/	-6=-4/0, 6-7=-4/0, -10=-4/0, 10-11=-4/0 4/0, 14-15=-4/0, 4/0, 17-18=-4/0 4, 33-34=0/4, 31-33: 4, 28-29=0/4, 27-28: 4, 24-25=0/4, 23-24:	), =0/4, =0/4, =0/4,							CONTRACT OF CONTRACT	annun a	SEA 286	EER. St.

April 21,2025

Page: 1

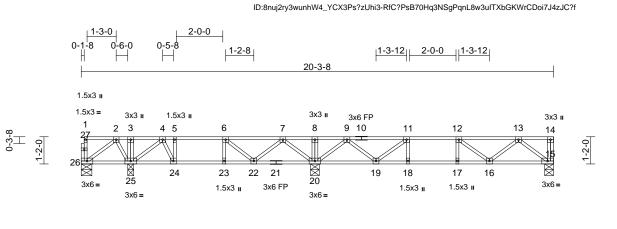


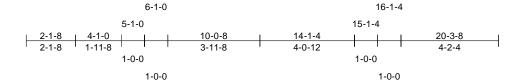
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Job	Truss Truss Type Qty Ply Bla		Blake Pond Lot 00.0094 OWF			
2503-4262-A	1F4	Floor	1	1	Job Reference (optional)	172869764

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:17

Structural, LLC, Thurmont, MD - 21788,





Scale = 1:49.5

Scale = 1.49.5						<u> </u>						
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)		16-17	>999	480	MT20	244/190
CDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.08	16-17	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	15	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 105 lb	FT = 20%F, 12%E
LUMBER FOP CHORD BOT CHORD WEBS DTHERS BRACING FOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly	eathing directly applic	4) Provide bearing 26. 5) Recomm 10-00-00 (0.131" at their of 6) CAUTIC	mechanical connect plate capable of with nend 2x6 strongbact o oc and fastened to ( 3") nails. Strongb puter ends or restrai N, Do not erect trus <b>E(S)</b> Standard	hstanding 2 ks, on edge each truss acks to be ned by othe	21 lb uplift at e, spaced at s with 3-10d attached to v er means.	joint					
OTCHORD	bracing.	applied of 0-0-0 0c		()								
REACTIONS		, 20=0-4-8, 25=0-3-0	),									
	26=0-5-8 Max Uplift 26=-21 (L											
	Max Grav 15=410 (I	,	).									
		LC 11), 26=134 (LC										
ORCES	(lb) - Maximum Con Tension	npression/Maximum	,									
TOP CHORD	1-26=-45/0, 14-15=- 2-3=-108/186, 3-4=- 5-6=-531/30, 6-7=-3 8-9=0/710, 9-11=-5- 12-13=-712/0, 13-14	107/187, 4-5=-531/3 57/109, 7-8=0/710, 44/83, 11-12=-895/0	,									
BOT CHORD	25-26=-91/109, 24-2 23-24=-30/531, 22-2 20-22=-203/146, 19 18-19=0/895, 17-18 15-16=0/498	23=-30/531, -20=-223/233,	5,							and the	OR THESE	ROUT
WEBS	3-25=-91/0, 5-24=-1 8-20=-77/0, 11-18=( 2-26=-133/118, 2-25 4-24=0/271, 7-20=-6 6-22=-296/0, 9-20=- 11-19=-517/0, 13-15 12-16=-230/41	0/123, 12-17=-98/0, 5=-181/51, 4-25=-38 636/0, 7-22=0/325, 745/0, 9-19=0/453,									SEA 2867	EER. St.
NOTES										2	1. 0.	als 3
<ol> <li>Unbalance this design</li> </ol>										in the	OKN GIN	EERISTIN
3) Provide me	are 3x3 (=) MT20 unle echanical connection ate at joint(s) 25.										L.G	ALIM

April 21,2025

Page: 1



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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F2	Floor	4	1	Job Reference (optional)	172869765

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS

BRACING

FORCES

WEBS

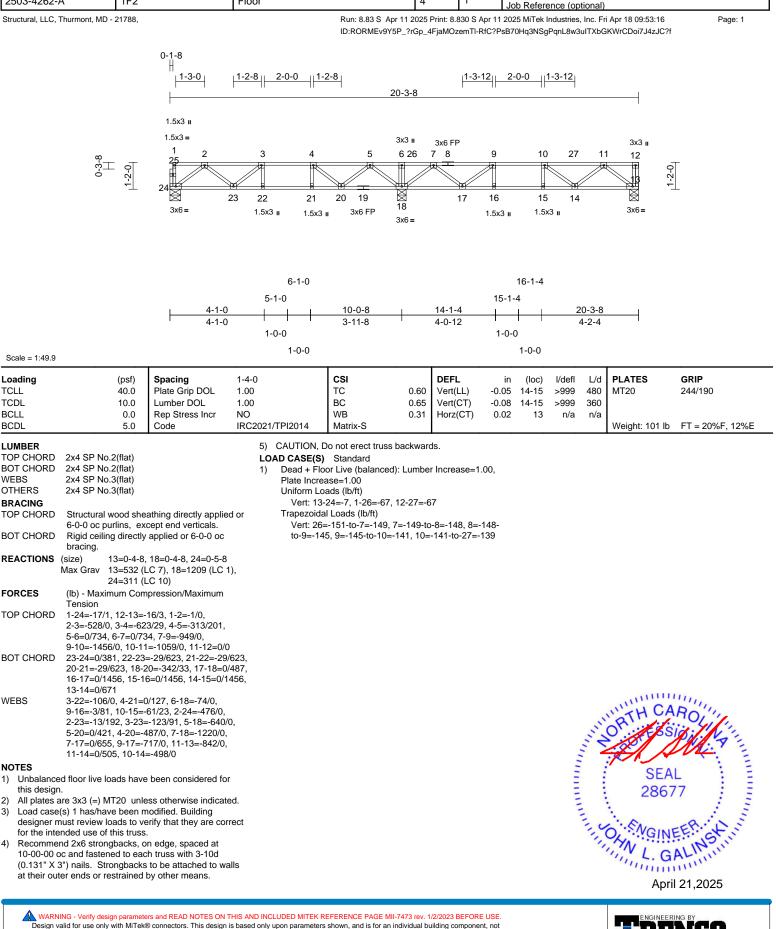
NOTES

1)

2) 3)

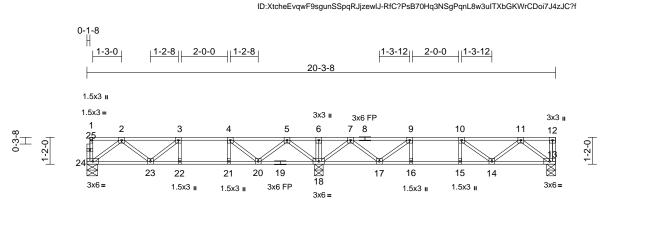
4)

LUMBER

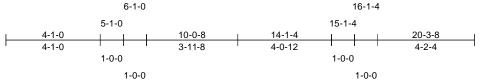


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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F1	Floor	7	1	Job Reference (optional)	172869766



Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:15



Scale = 1:49.9

Scale = 1:49.9											
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	<b>CSI</b> TC BC WB Matrix-S	0.29 0.45 0.18	DEFL Vert(LL) Vert(CT) Horz(CT)	(loc) 14-15 14-15 13	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 101 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except: 6-0-0 oc bracing: 18	cept end verticals. applied or 10-0-0 or		Standard							
	•	, 18=0-4-8, 24=0-5-8 _C 7), 18=814 (LC 1									
FORCES	(lb) - Maximum Com	pression/Maximum									
TOP CHORD	Tension 1-24=-21/0, 12-13=- 2-3=-602/0, 3-4=-76 5-6=0/462, 6-7=0/46 9-10=-792/0, 10-11=	0/0, 4-5=-514/0, 62, 7-9=-521/0, =-617/0, 11-12=0/0									
BOT CHORD	23-24=0/413, 22-23 20-21=0/760, 18-20 17-18=-91/276, 16-1 14-15=0/792, 13-14	=-101/275, 17=0/792, 15-16=0/7	,							mmm	1000
WEBS	3-22=-73/10, 4-21=0 9-16=0/91, 10-15=-7 2-23=0/245, 3-23=-2 5-20=0/369, 4-20=-4 7-17=0/371, 9-17=-4 11-14=0/250, 10-14	70/14, 2-24=-517/0, 204/9, 5-18=-601/0, 405/0, 7-18=-614/0, 422/0, 11-13=-534/0,	,						in the second se	OR LESS	ROUT
<ol> <li>NOTES</li> <li>Unbalanced floor live loads have been considered for this design.</li> <li>All plates are 3x3 (=) MT20 unless otherwise indicated.</li> <li>Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>CAUTION, Do not erect truss backwards.</li> </ol>								111100	J. M.	SEA 2867	E.P. K.

April 21,2025

Page: 1

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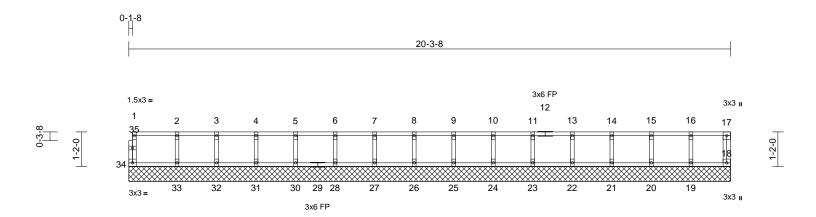


Edenton, NC 27932

	Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
	2503-4262-A	1FGE1	Floor Supported Gable	1	1	Job Reference (optional)	172869767
Structural, LLC, Thurmont, MD - 21788,			Run: 8.83 S Apr 11 2	025 Print: 8.	830 S Apr 11	2025 MiTek Industries, Inc. Fri Apr 18 09:53:21	Page: 1

ID:3FAaEjRY1YmQ2bIgQXRSZBzewXj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



### Scale = 1:38.9

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	0.06	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	18	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 84 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 she 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 18=20-3-{ 21=20-3-{ 27=20-3-{ 31=20-3-{ 34=20-3-{ Max Grav 18=44 (L0 (LC 1), 21 1), 23=98 25=98 (L0	athing directly applied cept end verticals. applied or 10-00 oc 3, 19=20-3-8, 20=20-3 3, 22=20-3-8, 23=20-3 3, 25=20-3-8, 26=20-3 3, 28=20-3-8, 30=20-3 3, 32=20-3-8, 33=20-3	<ol> <li>All plates are indicated.</li> <li>Gable requir</li> <li>Truss to be f braced agair</li> <li>Gable studs</li> <li>Gable studs</li> <li>Recommendo (0.131" X 3") at their outer</li> <li>CAUTION, E</li> <li>CAUTION, E</li> <li>CAUTION, E</li> <li>A-8,</li> <li>B-8,</li> <li>B-8,</li> <li>B-99</li> <li>C</li> <li>F=98</li> </ol>	≥ 1.5x3 (  ) MT20 u es continuous botto ully sheathed from ist lateral movemen spaced at 1-4-0 oc 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained on ot erect truss b	om chor one fac nt (i.e. d c. on edge ich truss is to be I by othe	d bearing. e or securely iagonal web). e, spaced at s with 3-10d attached to wa er means.	alls				vveight: 84 ib	F1 = 20%F, 12%E
		(LC 1), 32=95 (LC 1) _C 1), 34=48 (LC 1)	,									
FORCES	(lb) - Maximum Com Tension										UNITH CA	ROUL
TOP CHORD	1-34=-45/0, 17-18=- 3-4=-9/0, 4-5=-9/0, 5	9-10=-9/0, 10-11=-9/0 9/0, 14-15=-9/0,	,							A.M.	SEA 2867	A strain
BOT CHORD	33-34=0/9, 32-33=0/ 28-30=0/9, 27-28=0/	/9, 31-32=0/9, 30-31= /9, 26-27=0/9, 25-26= /9, 22-23=0/9, 21-22=	0/9,						111111		SEA 2867	L 77 EER. St.
WEBS	16-19=-85/0, 15-20= 13-22=-89/0, 11-23= 9-25=-89/0, 8-26=-8 6-28=-89/0, 5-30=-8 3-32=-86/0, 2-33=-9	89/0, 10-24=-89/0, 9/0, 7-27=-89/0, 9/0, 4-31=-90/0,									OHN L.G	EER. Human
NOTES												

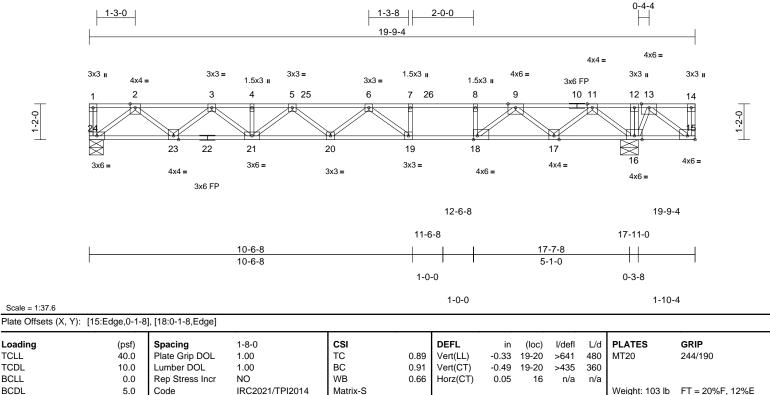
April 21,2025



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

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F25	Floor Girder	1	1	Job Reference (optional)	172869768

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:32 ID:8mc0MWOPXz71SZzqE1a\_ZszvBP3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Code IRC2021/TPI2014 Matrix-S Weight: 103 lb FT = 20%F, 12%E 5.0 3) Recommend 2x6 strongbacks, on edge, spaced at

LUMBER	
TOP CHORD	2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2

NOTES

2)

this design.

	(flat)
BOT CHORD	2x4 SP No.2(flat) *Except* 22-15:2x4 SP SS (flat)
WEBS	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 6-0-0 oc bracing.
REACTIONS	(size) 16=0-7-0, 24=0-5-8
	Max Grav 16=1904 (LC 1), 24=804 (LC 3)
FORCES	(lb) - Maximum Compression/Maximum
FORCES	(lb) - Maximum Compression/Maximum Tension
FORCES	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0,
	Tension
	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0,
	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0,
	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0, 5-6=-3333/0, 6-7=-2902/6, 7-8=-2902/6,
	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0, 5-6=-3333/0, 6-7=-2902/6, 7-8=-2902/6, 8-9=-2902/6, 9-11=-1238/841, 11-12=0/1563, 12-13=0/1563, 13-14=0/0
TOP CHORD	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0, 5-6=-3333/0, 6-7=-2902/6, 7-8=-2902/6, 8-9=-2902/6, 9-11=-1238/841, 11-12=0/1563, 12-13=0/1563, 13-14=0/0
TOP CHORD	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0, 5-6=-3333/0, 6-7=-2902/6, 7-8=-2902/6, 8-9=-2902/6, 9-11=-1238/841, 11-12=0/1563, 12-13=0/1563, 13-14=0/0 23-24=0/1005, 21-23=0/2348, 20-21=0/3182,
TOP CHORD	Tension 1-24=-33/0, 14-15=-844/0, 1-2=0/0, 2-3=-1694/0, 3-4=-2802/0, 4-5=-2802/0, 5-6=-3333/0, 6-7=-2902/6, 7-8=-2902/6, 8-9=-2902/6, 9-11=-1238/841, 11-12=0/1563, 12-13=0/1563, 13-14=0/0 23-24=0/1005, 21-23=0/2348, 20-21=0/3182, 19-20=0/3363, 18-19=-6/2902,

2-24=-1260/0, 2-23=0/897, 3-23=-851/0, 3-21=0/580, 4-21=-66/0, 5-21=-485/0,

5-20=-27/205. 6-20=-129/160. 6-19=-901/0. 11-16=-1413/0. 11-17=0/1025. 9-17=-1152/0.

9-18=0/1386, 13-15=0/1393, 13-16=-1050/0

1) Unbalanced floor live loads have been considered for

Load case(s) 1 has/have been modified. Building

for the intended use of this truss.

designer must review loads to verify that they are correct

CAUTION, Do not erect truss backwards. Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 700 Ib down at 19-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

(0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

10-00-00 oc and fastened to each truss with 3-10d

6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

4)

5)

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

Uniform Loads (lb/ft)

Vert: 15-24=-8, 1-25=-83, 25-26=-98, 14-26=-83 Concentrated Loads (lb)

Vert: 14=-800 (F=-700)

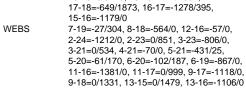


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$\begin{bmatrix} 2503 + 262 - A \\ 2F24 \\ \hline Floor \\ \hline Ill \\ Ill \\ \hline $	72869769
Structural, LLC, Thurmont, MD - 21788.       Rum: BLS S. Apr 11 2025 MTR4: Industries, Inc. Fri Apr 16 09:53.32 ID:BhD_FRW175Ragbm6/VHbz:ABR-RIC?Phg3NSgPqnLaw3uT7XGKW1CDDa774zJC77         Image: Distribution of the structural struc	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Page: 1
3x6 =       3x6 =       3x3 =       3x3 =       4x4 =       4x4 =       4x6 =         3x6 FP       12-6-8       19-9.4         11-6-8       11-6-8       17-7-8       19-9.4         10-6-8       1-0-0       0.3-8       1-0-0       0.3-8         Scale = 1:37.6       1-0-0       0.3-8       1-0-0       1-10-4         Scale = 1:37.6       1-0-0       0.3-8       1-0-0       1-10-4         Scale = 1:37.6       1-0-0       0.3-8       1-0-0       0.3-8         Scale = 1:37.6       1-0-0       0.3-8       1-0-0       1-10-4         Scale = 1:37.6       1-0-0       0.3-8       1-10-4       1-10-4         Scale = 1:37.6       1-0-0       0.3-8       1-10-4       1-10-4         Scale = 1:37.6       10-0       1.00       <	
10-6-8       11-6-8       17-11-0         10-6-8       10-6-8       10-6-8         10-6-8       1-0-0       0-3-8         1-0-0       0-3-8         1-0-0       0-3-8         20ate 0ffsets (X, Y): [15:Edge,0-1-8], [18:0-1-8,Edge]       1-0-0         0-ading       (psf)       Spacing       1-8-0         Plate Offsets (X, Y): [15:Edge,0-1-8], [18:0-1-8,Edge]       TC       0.85         0-0       Vert(LL)       -0.33       19-20       >641       480         MT20       244         0-0       Rep Stress Incr       NO       BC       0.855       Vert(CT)       -0.46       19-20       >465       360         3CDL       5.0       Code       IRC2021/TPI2014       Matrix-S       WB       0.70       Horz(CT)       0.05       16       n/a       n/a         UMBER       5.0       Code       IRC2021/TPI2014       Matrix-S       0.00       Weight: 103 lb       FT         JUMBER       2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2 (flat)       3)       Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131* X 37) nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.         300 C CHORD       2x4 SP No.2(flat) *Ex	:=
10-6-8         17-7-8           10-6-8         10-6-8           10-6-8         1-0-0           1-0-0         0-3-8           1-0-0         1-10-4           Scale = 1:37.6         1-0-0           Scale = 1:37.6         1-0-0           Coading         (psf)           Plate Offsets (X, Y):         [15:Edge,0-1-8], [18:0-1-8,Edge]           Loading         (psf)           Plate Grip DOL         1.00           CDL         10.0           Lumber DOL         1.00           BC         0.85           WBB         0.70           Horz(CT)         0.05           3CDL         5.0           Code         IRC2021/TPI2014           Matrix-S         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.	
In-6-8         1-0-0         0-3-8           Scale = 1:37.6         1-0-0         1-10-4           Plate Offsets (X, Y):         [15:Edge,0-1-8], [18:0-1-8,Edge]         1-0-0         1-10-4           Loading         (psf)         Spacing         1-8-0         TC         0.85         Vert(LL)         -0.33         19-20         >641         480         MT20         244           TCDL         10.0         Lumber DOL         1.00         BC         0.85         Vert(CT)         -0.46         19-20         >465         360           3CDL         5.0         Code         IRC2021/TPI2014         Matrix-S         WB         0.70         Horz(CT)         0.05         16         n/a         n/a           LUMBER         FOP CHORD         2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2         3)         Recommend 2x6 strongbacks, on edge, spaced at 10-00 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.         at their outer ends or restrained by other means.	1
1-0-0       1-10-0       1-10-0         Scale = 1:37.6         Plate Offsets (X, Y): [15:Edge,0-1-8], [18:0-1-8,Edge]         CSI       DEFL       in       (loc)       //defl       //d       PLATES       GR         OCSI       DEFL       in       (loc)       //defl       //d       PLATES       GR         CSI       DEFL       in       (loc)       //defl       //d       PLATES       GR         CSI       DEFL       in       (loc)       //defl       //d       PLATES       GR         OCSI       DEFL       in       (loc)       //defl       //d       MT20       244         Solution of the point of t	1
Scale = 1:37.6           Plate Offsets (X, Y):         [15:Edge,0-1-8], [18:0-1-8,Edge]           Loading         (psf)         Spacing         1-8-0         CSI         DEFL         in         (loc)         I/defl         L/d         PLATES         GR           CDL         40.0         Plate Grip DOL         1.00         TC         0.85         Vert(LL)         -0.33         19-20         >641         480         MT20         244           MT20         244         SCDL         0.0         Rep Stress Incr         NO         WB         0.70         Vert(CT)         -0.46         19-20         >465         360           GOD         5.0         Code         IRC2021/TPI2014         Matrix-S         WB         0.70         Horz(CT)         0.05         16         n/a         n/a           LUMBER         5.0         Code         IRC2021/TPI2014         Matrix-S         Weight: 103 lb         FT           LUMBER         5.0         Code         IRC2021/TPI2014         Matrix-S         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.         at their outer ends or restrained by other means.	
Plate Offsets (X, Y):       [15:Edge,0-1-8], [18:0-1-8,Edge]         Loading       (psf)       Spacing       1-8-0       CSI       DEFL       in       (loc)       I/defl       L/d       PLATES       GR         TCLL       40.0       Plate Grip DOL       1.00       TC       0.855       BC       0.855       Vert(LL)       -0.33       19-20       >641       480       MT20       244         TCDL       10.0       Lumber DOL       1.00       BC       0.855       WB       0.70       Horz(CT)       -0.46       19-20       >465       360       MT20       244         SOLL       0.0       Rep Stress Incr       NO       WB       0.70       Matrix-S       Weight: 103 lb       FT         LUMBER       Cyclifiat)       *Except*       10-14:2x4 SP No.2       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.	
Loading         (psf)         Spacing         1-8-0         CSI         DEFL         in         (loc)         l/defl         L/d         PLATES         GR           TCLL         40.0         Plate Grip DOL         1.00         TC         0.85         Vert(LL)         -0.33         19-20         >641         480         MT20         244           TCDL         10.0         Lumber DOL         1.00         BC         0.85         Vert(CT)         -0.46         19-20         >465         360         MT20         244           3CDL         5.0         Code         IRC2021/TPI2014         Matrix-S         WB         0.05         16         n/a         n/a           UMBER         5.0         Code         IRC2021/TPI2014         Matrix-S         Weight: 103 lb         FT           UMBER         70P CHORD         2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2         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.           30T CHORD         2x4 SP No.2(flat) *Except* 22-15:2x4 SP SS         at their outer ends or restrained by other means.         at their outer ends or restrained by other means.	
TCLL       40.0       Plate Grip DOL       1.00       TC       0.85       Vert(LL)       -0.33       19-20       >641       480       MT20       244         TCDL       10.0       Lumber DOL       1.00       BC       0.85       Vert(LL)       -0.33       19-20       >641       480       MT20       244         SCLL       0.0       Rep Stress Incr       NO       WB       0.70       Horz(CT)       0.05       16       n/a       n/a       M20       244         3CDL       5.0       Code       IRC2021/TPI2014       Matrix-S       WB       0.70       Horz(CT)       0.05       16       n/a       n/a       Weight: 103 lb       FT         JUMBER "OP CHORD       2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2 (flat)       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.       at their outer ends or restrained by other means.	
CLL       0.0       Rep Stress Incr       NO       WB       0.70       Hor2(CT)       0.05       16       n/a       n/a         3CDL       5.0       Code       IRC2021/TPI2014       Matrix-S       WB       0.70       Hor2(CT)       0.05       16       n/a       n/a         JUMBER         COP CHORD       2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2       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.       at their outer ends or restrained by other means.	1/190
SCDL     5.0     Code     IRC2021/TPI2014     Matrix-S     Weight: 103 lb     FT       UMBER OP CHORD     2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2 (flat)     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.     Weight: 103 lb     FT	
UMBER       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.         30       Cop CHORD       2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2 (flat)         30       Cop CHORD       2x4 SP No.2(flat) *Except* 22-15:2x4 SP SS	- 200/ E 120/
OP CHORD       2x4 SP SS(flat) *Except* 10-14:2x4 SP No.2 (flat)       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.         SOT CHORD       2x4 SP No.2(flat) *Except* 22-15:2x4 SP SS       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.	= 20%F, 12%l
VEBS       2x4 SP No.3(flat)       5)       Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 700	
BRACING provided sufficient to support concentrated load(s) /00 OP CHORD Structural wood sheathing directly applied or Ib down at 19-7-12 on top chord. The design/selection	
6-0-0 oc purlins, except end verticals. 30T CHORD Rigid ceiling directly applied or 6-0-0 oc 0 Is the ICAP CASE(S) action leads applied to the form	
REACTIONS (size) 16=0-7-0, 24=0-5-8 of the truss are noted as front (F) or back (B).	
(h) Maximum Compression/Maximum 1) Dead + Floor Live (balanced): Lumber Increase=1.00,	
Tension Linformase=1.00	
TOP CHORD 1-24=-33/0, 14-15=-896/0, 1-2=0/0, 2-3=-1620/0, 3-4=-2657/0, 4-5=-2657/0, 5-6=-3120/0, 6-7=-2694/214, 7-8=-2694/214, 8-9=-2694/214, 9-11a=-1099/980, 11-12=0/1657, 12-13=0/1656, 13-14=0/0 3OT CHORD 23-24=0/966, 21-23=0/2239, 20-21=0/2995, 19-20=0/3129, 18-19=-214/2694, 17-19=-640/4720, 46-47, 12376/005	



## NOTES

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

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

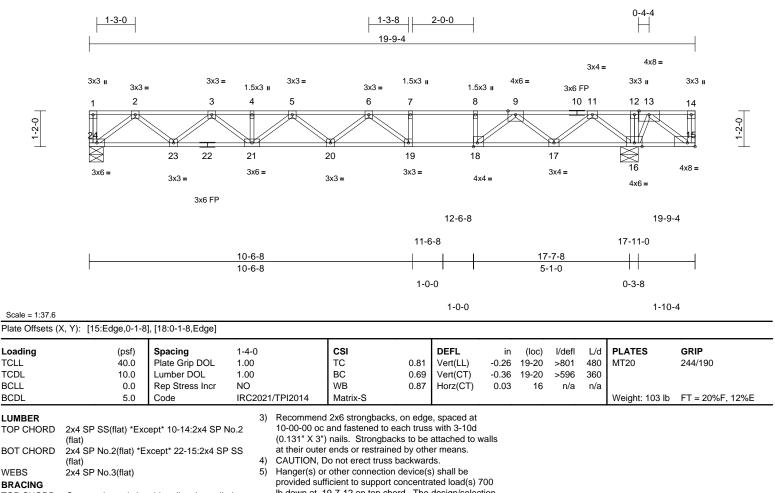
# SEAL 28677 VGINEERIS April 21,2°



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	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F24	Floor	2	1	Job Reference (optional)	172869770

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:31 ID:BhD\_FilW17SRq8pm9vVfbbzvBRI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



	(flat)	<ol><li>CAUTION, Do not erect truss backwards.</li></ol>	
WEBS	2x4 SP No.3(flat)	5) Hanger(s) or other connection device(s) shall be	
BRACING		provided sufficient to support concentrated load(s) 700	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.	Ib down at 19-7-12 on top chord. The design/selection of such connection device(s) is the responsibility of	
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except:	<ul> <li>others.</li> <li>6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).</li> </ul>	
REACTIONS	10-0-0 oc bracing: 23-24,21-23. (size) 16=0-7-0, 24=0-5-8	LOAD CASE(S) Standard	
REACTIONS	Max Grav 16=1981 (LC 1), 24=585 (LC 3)	1) Dead + Floor Live (balanced): Lumber Increase=1.00,	
FORCES	(lb) - Maximum Compression/Maximum Tension	Plate Increase=1.00 Uniform Loads (lb/ft)	
TOP CHORD	1-24=-26/0, 14-15=-1109/0, 1-2=0/0, 2-3=-1209/0, 3-4=-1953/0, 4-5=-1953/0, 5-6=-2245/142, 6-7=-1795/649,	Vert: 15-24=-7, 1-14=-67 Concentrated Loads (lb) Vert: 14=-1075 (F=-700)	
	7-8=-1795/649, 8-9=-1795/649, 9-11=-420/1400, 11-12=0/2024, 12-13=0/2023, 13-14=0/0		
BOT CHORD	23-24=0/727, 21-23=0/1662, 20-21=-57/2180, 19-20=-303/2207, 18-19=-649/1795, 17-18=-1082/1078, 16-17=-1678/0,		OP THE SAL
	15-16=-1457/0		
WEBS	7-19=0/288, 8-18=-494/0, 12-16=-52/0,		S Sth MM
	2-24=-913/0, 2-23=0/627, 3-23=-590/14,		3 19
	3-21=-60/372, 4-21=-58/0, 5-21=-289/93,		E : SEAL
	5-20=-110/90, 6-20=-24/227, 6-19=-806/0,		
	11-16=-1159/0, 11-17=0/850, 9-17=-964/0, 9-18=0/1173, 13-15=0/1828, 13-16=-1312/0		28677
NOTES	3-10-0/11/3, 13-13-0/1020, 13-10-1312/0		
	ed floor live loads have been considered for		E LAND
this design			O, NGINEE
	 (s) 1 has/have been modified Building		· · · · · · · · · · · · · · · · · · ·

Load case(s) 1 has/have been modified. Building 2) designer must review loads to verify that they are correct for the intended use of this truss.

mm April 21,2025

GA

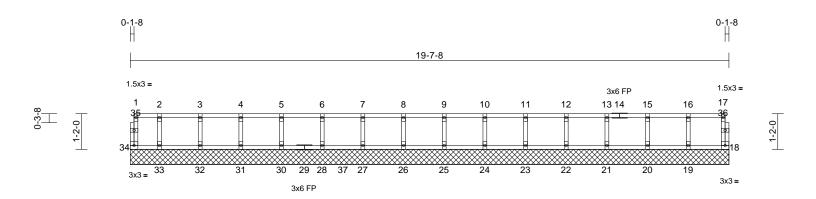
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **PCB Building Component Scietus Information**, and the from the Structure Building Component Advance interport of the property damage. 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	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGE6	Floor Supported Gable	1	1	Job Reference (optional)	172869771
Structural, LLC, Thurmont, MD - 2	21788,	Run: 8.83 S Apr 11 2	025 Print: 8.	830 S Apr 11	2025 MiTek Industries, Inc. Fri Apr 18 09:53:22	Page: 1

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:22 ID:aNITxbud2ohdoJUTQTIm3azew7J-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



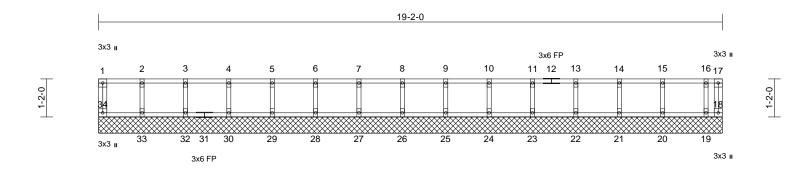
Scale = 1:37.8

Scale = 1:37.8													
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO		CSI TC BC WB	0.09 0.04 0.03	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 18	l/defl n/a n/a n/a	L/d 999 999 n/a	<b>PLATES</b> MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code	IRC2021/1	TPI2014	Matrix-R							Weight: 82 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 18=19-7-8 24=19-7-8 31=19-7-8 34=19-7-8 34=19-7-8 20=147 (L 22=147 (L 24=146 (L 28=158 (L 31=146 (L)	applied or 10-0-0 oc 8, 19=19-7-8, 20=19- 8, 22=19-7-8, 23=19- 8, 25=19-7-8, 30=19- 8, 28=19-7-8, 30=19- 8, 32=19-7-8, 33=19- 8 C 1), 19=147 (LC 1), LC 1), 21=147 (LC 1), LC 1), 23=147 (LC 1), LC 1), 25=147 (LC 1), LC 1), 27=158 (LC 1), LC 1), 30=145 (LC 1), LC 1), 32=152 (LC 1), LC 1), 34=37 (LC 1)	NOT 1) / i 2) (0 3) <sup>-</sup> 1 1 2) (0 3) <sup>-</sup> 1 1 1 7 7 8, (0 7 7 8, (0 7 7 8, (1) 1 1 1 1 1 1 1 1 1 1 1 1 1	TES All plates are indicated. Gable require Truss to be fu braced again: Gable studs s Load case(s) designer mus for the intend Recommend Recommend (0.131" X 3") at their outer D CASE(S) Dead + Floc Plate Increa Uniform Loa Vert: 18-3	1.5x3 (  ) MT20 u as continuous botto illy sheathed from st lateral movemen spaced at 1-4-0 oc 1 has/have been t review loads to v ed use of this trus: 2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained Standard or Live (balanced): se=1.00 dis (lb/ft) 14=-10, 1-17=-100 d Loads (lb)	om chor one fac nt (i.e. d modified verify that s. on edge ch truss s to be l by othe Lumber	d bearing. e or securely iagonal web). d. Building at they are co e, spaced at with 3-10d attached to w er means.	rrect alls					
	Tension										S	R	. Lill
TOP CHORD	3-4=-7/0, 4-5=-7/0, 5 7-8=-7/0, 8-9=-7/0, 9 11-12=-7/0, 12-13=- 15-16=-7/0, 16-17=- 33-34=0/7, 32-33=0/	9-10=-7/0, 10-11=-7/0 7/0, 13-15=-7/0, 7/0 /7, 31-32=0/7, 30-31=	e0/7,							annu.	in the second se	SEA 2867	
	24-25=0/7, 23-24=0/ 20-21=0/7, 19-20=0/		:0/7,							1111			all
WEBS		134/0, 4-31=-132/0,									A MARINE STREET	Apri	EEP. St. Marine

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	170000770
2503-4262-A	2FGE2	Floor Supported Gable	1	1	Job Reference (optional)	172869772

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:34 ID:DtA4ZIFbo1kC2a8QQ6izkTy8MTw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



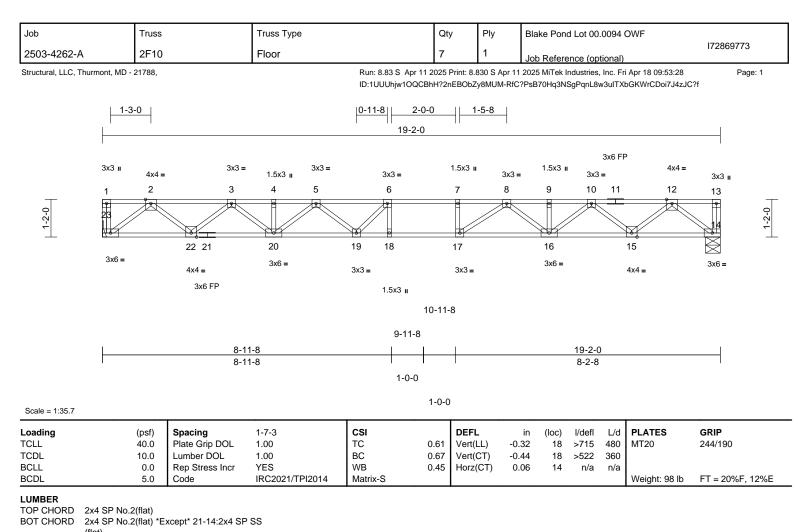
### Scale = 1:35.4

Loading	(psf)	Spacing	1-7-3		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		TC	0.06	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	18	n/a	n/a		
BCDL	5.0	Code		1/TPI2014	Matrix-R							Weight: 82 lb	FT = 20%F, 12%E
LUMBER	· · ·		N	OTES								, <u> </u>	
TOP CHORD	2x4 SP No.2(flat)				1.5x3 (  ) MT20 u	nless o	therwise						
BOT CHORD	( )		• • •	indicated.									
WEBS	2x4 SP No.3(flat)		2)	Gable require	es continuous botto	om chor	d bearing.						
OTHERS	2x4 SP No.3(flat)		3)	Truss to be f	ully sheathed from	one fac	e or securely						
BRACING					st lateral movemer		iagonal web).						
TOP CHORD	Structural wood she	athing directly applied	dor <sup>4)</sup>		spaced at 1-4-0 oc								
	6-0-0 oc purlins, ex	cept end verticals.	5)		2x6 strongbacks,								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc			and fastened to ea			- 11 -					
	bracing.				nails. Strongback ends or restrained			alis					
REACTIONS		0, 19=19-2-0, 20=19-		OAD CASE(S)		by our	er means.						
		0, 22=19-2-0, 23=19-3	L 0,	OAD CASE(3)	Stanuaru								
		0, 25=19-2-0, 26=19-3 0, 28=19-2-0, 29=19-3	,										
		), 32=19-2-0, 33=19-2 ), 32=19-2-0, 33=19-2											
	34=19-2-0	, ,	20,										
	Max Grav 18=7 (LC		=122										
	(LC 1), 21	=116 (LC 1), 22=118	(LC										
		7 (LC 1), 24=117 (LC											
		_C 1), 26=117 (LC 1),											
		_C 1), 28=117 (LC 1),											
	,	_C 1), 30=117 (LC 1), _C 1), 33=118 (LC 1),											
	34=47 (L											SEA 2867	111.
FORCES	(lb) - Maximum Com	,										M' ULCA	Dille
TOROLO	Tension	pression/maximum										"ath or	TOI!!
TOP CHORD		)/0, 1-2=-5/0, 2-3=-5/0	).								N.	0	A AND
	3-4=-5/0, 4-5=-5/0, 5	, ,	,								5 <		V3.7 -
	7-8=-5/0, 8-9=-5/0, 9	9-10=-5/0, 10-11=-5/0	),									: the	4: -
	11-13=-5/0, 13-14=-									-			
	15-16=-5/0, 16-17=-									- 3		SEA	L : E
BOT CHORD		/5, 30-32=0/5, 29-30=								=		2867	77 : 2
		/5, 26-27=0/5, 25-26=											1 I I I
	20-21=0/5, 19-20=0/	/5, 22-23=0/5, 21-22= /5_18-19-0/5	0/5,								-	N	1.1
WEBS	2-33=-106/0, 3-32=-	,									50	S. ENG.	- CRILLS
WEbb	5-29=-107/0, 6-28=-	, ,									11	OL GIN	E.F. GLN
		107/0, 10-24=-107/0,									1	NI C	EER. A.
	,	2=-107/0, 14-21=-106	/0,									L.G	in the second se
	15-20=-111/0, 16-19	9=-80/0											111.
												Apri	l 21,2025



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	(flat)
WEBS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-11-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 14=0-5-8, 23= Mechanical
	Max Grav 14=832 (LC 1), 23=832 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-23=-32/0, 13-14=-31/0, 1-2=0/0,
	2-3=-1775/0, 3-4=-2992/0, 4-5=-2992/0,
	5-6=-3617/0, 6-7=-3732/0, 7-8=-3732/0,
	8-9=-2995/0, 9-10=-2995/0, 10-12=-1776/0,
	12-13=0/0
BOT CHORD	22-23=0/1042, 20-22=0/2480, 19-20=0/3420,
	18-19=0/3732, 17-18=0/3732, 16-17=0/3402,
	15-16=0/2478, 14-15=0/1043

	15-16=0/2478, 14-15=0/1043
WEBS	6-18=-191/144, 7-17=-224/0, 2-23=-1308/0,
	2-22=0/954, 3-22=-918/0, 3-20=0/654,
	4-20=-50/0, 5-20=-546/0, 5-19=0/397,
	6-19=-451/146, 12-14=-1309/0, 12-15=0/953,
	10-15=-914/0, 10-16=0/660, 9-16=-77/0,
	8-16=-521/0, 8-17=0/642

NOTES

 Unbalanced floor live loads have been considered for this design.

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

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

LOAD CASE(S) Standard



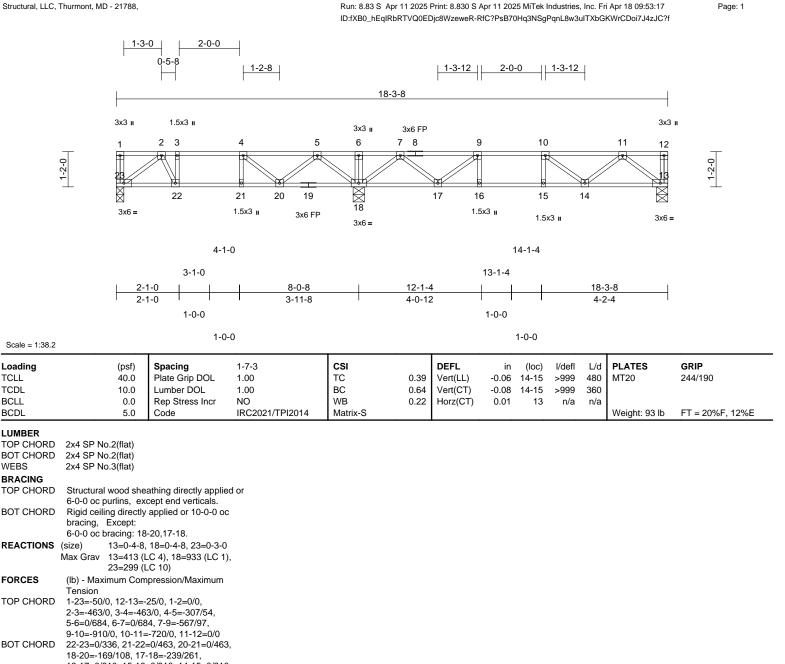
April 21,2025

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	Blake Pond Lot 00.0094 OWF	
2503	3-4262-A	1F3	Floor	12	1	Job Reference (optional)	172869774



16-17=0/910, 15-16=0/910, 14-15=0/910, 13-14=0/501 WEBS 3-22=-202/11, 4-21=-34/33, 6-18=-78/0, 9-16=0/126, 10-15=-101/2, 2-23=-421/0, 2-22=-4/285, 5-18=-646/0, 5-20=0/341, 4-20=-318/0, 7-18=-747/0, 7-17=0/456, 9-17=-522/0, 11-13=-629/0, 11-14=0/284, 10-14=-239/46

## NOTES

Loading

TCLL

TCDI

BCLL

BCDL

WEBS

FORCES

LUMBER

- Unbalanced floor live loads have been considered for 1) this design.
- 2) All plates are 3x3 (=) MT20 unless otherwise indicated. Recommend 2x6 strongbacks, on edge, spaced at 3)
- 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Service Servic ORTH Martin Martin 867 GA 11111

April 21,2025

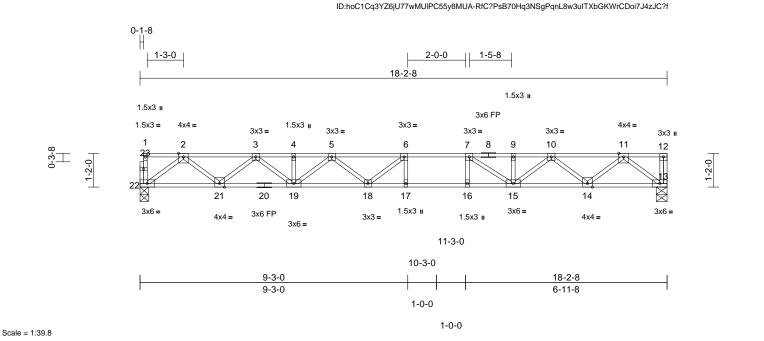


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<b>.</b>	Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2	2503-4262-A	2F6	Floor	5	1	Job Reference (optional)	172869775

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:26

Structural, LLC, Thurmont, MD - 21788.



Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.29	17-18	>733	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.40	17-18	>534	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 93 lb	FT = 20%F, 12%

L	U	M	в	E	R

TOP CHORD	
BOT CHORD	2x4 SP No.2(flat) *Except* 20-13:2x4 SP SS (flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-7-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 13=0-4-8, 22=0-3-8
	Max Grav 13=790 (LC 1), 22=785 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	,,,,,,
	2-3=-1670/0, 3-4=-2778/0, 4-5=-2778/0,
	5-6=-3298/0, 6-7=-3318/0, 7-9=-2765/0,
	9-10=-2765/0, 10-11=-1673/0, 11-12=0/0
BOT CHORD	,,,
	17-18=0/3318, 16-17=0/3318, 15-16=0/3318,
	14-15=0/2320, 13-14=0/988
WEBS	6-17=-217/72, 7-16=-39/221, 2-22=-1236/0,
	2-21=0/890, 3-21=-851/0, 3-19=0/579,
	4-19=-30/0, 5-19=-511/0, 5-18=0/301,
	4-19=-30/0, 5-19=-511/0, 5-18=0/301, 6-18=-336/213, 11-13=-1240/0, 11-14=0/891,
	4-19=-30/0, 5-19=-511/0, 5-18=0/301,

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



April 21,2025

Page: 1

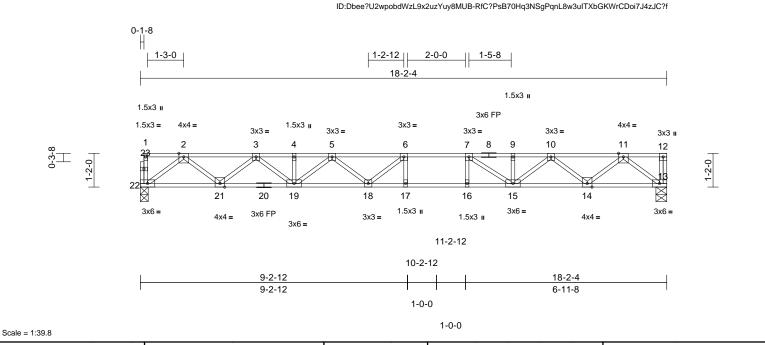
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F5	Floor	1	1	Job Reference (optional)	172869776

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:25

Structural, LLC, Thurmont, MD - 21788,



Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.29	17-18	>736	480	MT20	244/190
FCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.40	17-18	>537	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 92 lb	FT = 20%F, 12%E

BOT CHORD	2x4 SP No.2(flat) *Except* 20-13:2x4 SP SS (flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-7-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 13=0-4-8, 22=0-3-4
	Max Grav 13=789 (LC 1), 22=784 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-22=-29/0, 12-13=-32/0, 1-2=-2/0,
	2-3=-1668/0, 3-4=-2773/0, 4-5=-2773/0,
	5-6=-3292/0, 6-7=-3311/0, 7-9=-2761/0,
	9-10=-2761/0, 10-11=-1671/0, 11-12=0/0
BOT CHORD	21-22=0/985, 19-21=0/2321, 18-19=0/3171,
	17-18=0/3311, 16-17=0/3311, 15-16=0/3311,
	14-15=0/2317, 13-14=0/987
WEBS	6-17=-218/73, 7-16=-39/220, 2-22=-1234/0,
	2-21=0/889, 3-21=-849/0, 3-19=0/578,
	4-19=-31/0, 5-19=-508/0, 5-18=0/301,
	6-18=-335/213, 11-13=-1239/0, 11-14=0/890,
	10-14=-841/0, 10-15=0/566, 9-15=-101/88,

NOTES

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

7-15=-845/0

 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



April 21,2025

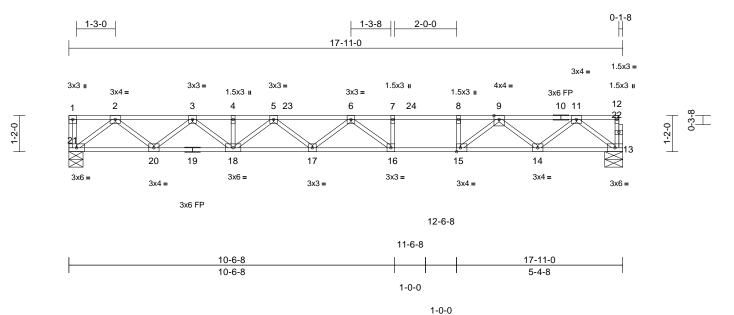
Page: 1

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F26	Floor	2	1	Job Reference (optional)	172869777

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:33 ID:ehsevcSoehPMAXWyOkEbQdzvFV4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:37.3

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

	(X, T): [10:0 T 0,Eugo	<b>1</b>											
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 NO		CSI TC BC WB	0.59 0.70 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.26 -0.40 0.05	(loc) 16-17 16-17 13	l/defl >800 >532 n/a	L/d 480 360 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code		1/TPI2014	Matrix-S	0110		0.00			1.70	Weight: 90 lb	FT = 20%F, 12%E
LUMBER TOP CHORD	2x4 SP SS(flat) *Exc (flat)	cept* 10-12:2x4 SP	,	DAD CASE(S)	Do not erect trus Standard or Live (balance			.00,					
BOT CHORD	(flat)	xcept* 19-13:2x4 S	PSS	Plate Incre Uniform Lo	ase=1.00 ads (lb/ft)	,							
WEBS OTHERS BRACING	2x4 SP No.3(flat) 2x4 SP No.3(flat)			Vert: 13-	-21=-7, 1-23=-67	′, 23-24 <b>=</b> -8	0, 12-24=-67	7					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		ed or										
BOT CHORD			C										
REACTIONS	(size) 13=0-7-0, Max Grav 13=671 (l	, 21=0-5-8 LC 1), 21=674 (LC 1	1)										
FORCES	(lb) - Maximum Corr Tension												
TOP CHORD	1-21=-27/0, 12-13=- 2-3=-1432/0, 3-4=-2 5-6=-2890/0, 6-7=-2 8-9=-2641/0, 9-11=-	2395/0, 4-5=-2395/0 2641/0, 7-8=-2641/0	,										
BOT CHORD	,	=0/1993, 17-18=0/2	737,									mmm	0.00
WEBS	7-16=-42/168, 8-15= 2-20=0/766, 3-20=-7 4-18=-49/0, 5-18=-4	729/0, 3-18=0/513, 137/0, 5-17=0/205,									A.V.	OR THE SEA	ROUT
	6-17=-154/0, 6-16=- 11-14=0/732, 9-14=-		50/0,							-	1	<i>₩</i> , <i>L</i>	the is
NOTES	a differentina han da l	- harman and the state								-		SEA	L : Е
this desig	ed floor live loads have n. e(s) 1 has/have been n		or									286	• -
designer i	must review loads to ve ended use of this truss	erify that they are co	orrect									· · · · · · · · · ·	- PRIDE
3) Recomme 10-00-00	end 2x6 strongbacks, o oc and fastened to eac 3") nails Strongbacks	on edge, spaced at ch truss with 3-10d	valls								111	OKNGIN	ALINSTIT

for the intended use of this truss. 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.

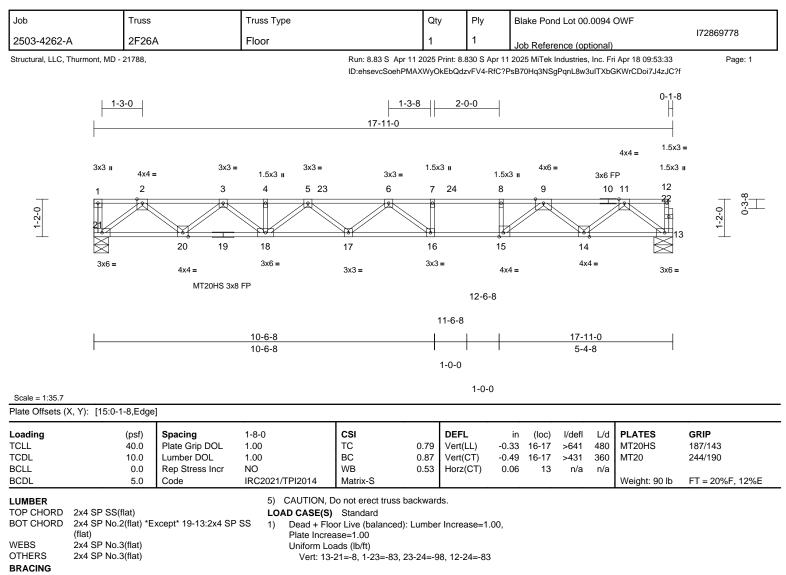
1111111111 April 21,2025

Page: 1



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818 Soundside Road Edenton, NC 27932



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) 13=0-7-0, 21=0-5-8
	Max Grav 13=834 (LC 1), 21=838 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-21=-33/0, 12-13=-26/3, 1-2=0/0,
	2-3=-1780/0, 3-4=-2973/0, 4-5=-2973/0,
	5-6=-3583/0, 6-7=-3276/0, 7-8=-3276/0,
	8-9=-3276/0, 9-11=-1742/0, 11-12=-2/0
BOT CHORD	20-21=0/1050, 18-20=0/2476, 17-18=0/3395,
	16-17=0/3660, 15-16=0/3276, 14-15=0/2489,
	13-14=0/1046
WEBS	7-16=-55/208, 8-15=-480/0, 2-21=-1317/0,
	2-20=0/951, 3-20=-906/0, 3-18=0/635,
	4-18=-62/0, 5-18=-539/0, 5-17=0/251,
	6-17=-190/0, 6-16=-630/58, 11-13=-1311/0,

NOTES

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

11-14=0/906, 9-14=-972/0, 9-15=0/1114

- All plates are MT20 plates 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. 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.



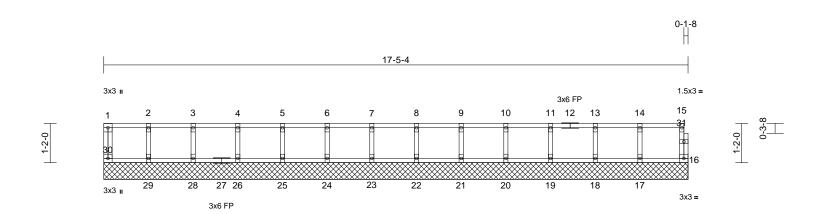
April 21,2025



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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FGE4	Floor Supported Gable	1	1	Job Reference (optional)	172869779

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:35 ID:dSrCBKIT5y6nv2t?6FFgM5y8MTt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:34.4

Scale = 1:34.4												
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-R	0.06 0.01 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 16	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 73 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	No.2(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 16=17-5 19=17-5 25=17-5 29=17-5 Max Grav 16=41 (Lt 18=97 (Lt (LC 1), 22=10 25=98 (Lt	v applied or 10-0-0 oc 4, 17=17-5-4, 18=17- 4, 20=17-5-4, 21=17- 4, 23=17-5-4, 24=17- 4, 26=17-5-4, 28=17- 4, 30=17-5-4	braced ag 4) Gable stu 5) Load case designer i for the inti- 6) Recomme 10-00-00 (0.131" X at their ou 7) CAUTION 5-4, I) Dead + I 5-4, Plate Inci 5-4, Uniform 5-4, Uniform 0=98 (LC 1), 8=99	e fully sheathed fro ainst lateral mover ds spaced at 1-4-0 e(s) 1 has/have bee nust review loads t ended use of this tr and 2x6 strongback oc and fastened to 3") nails. Strongba ter ends or restrair I, Do not erect truss <b>S)</b> Standard Floor Live (balance- rease=1.00 Loads (lb/ft) 16-30=-7, 1-6=-67,	nent (i.e. c oc. en modifier o verify the uss. s.s, on edge each truss acks to be red by othe s backward d): Lumbe	liagonal web). d. Building at they are co a, spaced at s with 3-10d attached to w er means. ds. r Increase=1.0	rrect alls					
FORCES	(lb) - Maximum Com Tension	npression/Maximum									mm	un.
TOP CHORD	1-30=-38/0, 15-16=- 3-4=-8/0, 4-5=-8/0, \$	9-10=-8/0, 10-11=-8/0								N.A.	ORTH CA	ROLLIN
BOT CHORD	29-30=0/8, 28-29=0 24-25=0/8, 23-24=0	/8, 26-28=0/8, 25-26= /8, 22-23=0/8, 21-22= /8, 18-19=0/8, 17-18=	=0/8,								SEA	
WEBS	2-29=-86/0, 3-28=-9 5-25=-89/0, 6-24=-9 8-22=-92/0, 9-21=-9 11-19=-89/0, 13-18=	90/0, 7-23=-92/0, 90/0, 10-20=-89/0,									SEA 2867	L TT EER CLU
indicated.	are 1.5x3 (  ) MT20 ur	nless otherwise								in the	1111111	ALIN: 121,2025

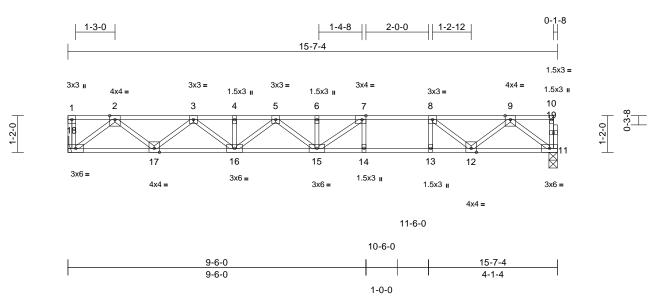
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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F16	Floor	2	1	Job Reference (optional)	172869780

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:29 ID:Vg1su3wf9kK2JRaELxjd8ny8MUL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-0-0



Scale = 1:36.7

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

-		1		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	0.60	Vert(LL)	-0.28	14-15	>654	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.38	14-15	>480	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	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 SS(flat)											
BOT CHORD	( )											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	eathing directly appli	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	0 0 ,	/ applied or 10-0-0 o	С									
	bracing.											
REACTIONS	( )	, 18= Mechanical										
	Max Grav 11=838 (I	<i>,,</i>	,									
FORCES	(lb) - Maximum Com	npression/Maximum										
TODOLODD	Tension	07/0 4 0 0/0										
TOP CHORD	1-18=-39/0, 10-11=- 2-3=-1730/0, 3-4=-2											
	5-6=-3178/0, 6-7=-3											
	8-9=-1743/0, 9-10=-											
BOT CHORD	,		3036.									
	14-15=0/2686, 13-1											
	11-12=0/992											
WEBS	7-14=-316/0, 8-13=0	0/373, 2-18=-1315/0	,									1111.
	2-17=0/887, 3-17=-8								M' U CI	Della		
	4-16=-109/0, 5-16=-										"aTH UP	NOI 1
11-12=0/992 WEBS 7-14=-316/0, 8-13=0/373, 2-18=-1315/0, 2-17=0/887, 3-17=-837/0, 3-16=0/516, 4-16=-109/0, 5-16=-332/0, 5-15=0/197, 9-11=-1240/0, 9-12=0/978, 8-12=-1211/0, 6-15=-317/0, 7-15=-55/744 NOTES 1) Unbalanced floor live loads have been considered for									id Mile			
	6-15=-317/0, 7-15=-55/744										TM6. 7 3	
NOTES										2	Th 1	MAX: 3
1) Unbalanced floor live loads have been considered for										1 1 2		
this design.											SEA	(L : =

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

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. 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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April 21,2025

Page: 1

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF		
2503-4262-A	1F14L	Floor Girder	2	1	Job Reference (optional)	172869781	

14-6-8

2-0-0

0-5-0

1-3-0

Structural, LLC, Thurmont, MD - 21788,

1-2-0

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:20 ID:pRaQhm99XH?vKKF9i7iIXbzQSC4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



3x6 II

10

Î

4x8 =

PLATES

Weight: 94 lb

MT20

GRIP

244/190

FT = 20%F, 12%E

1-2-0

3x6 II 3x6 II 4x8 II 3x6 II 3x6 II 6x8 = 6x6 = 3x6 II 4x6 u 3 8 2 4 5 6 7 18 9 Τ 16 15 14 13 12 3x6 = 3x6 = 6x6 = 3x6 = 3x3 = 4x8 = 6-6-8 5-6-8 4-6-8 14-6-8 4-6-8 8-0-0 1-0-0 1-0-0 Plate Offsets (X, Y): [5:0-3-0,Edge], [11:Edge,0-1-8], [15:0-1-8,Edge] 1-7-3 CSI DEFL in (loc) l/defl L/d (psf) Spacing 40.0 Plate Grip DOL 1.00 TC 0.52 Vert(LL) -0.10 13-14 >999 480 10.0 Lumber DOL 1.00 BC 0.71 Vert(CT) -0.29 13-14 >590 360 0.0 Rep Stress Incr NO WB 0.83 Horz(CT) 0.06 11 n/a n/a Code IRC2021/TPI2014 Matrix-S 5.0 Vert: 11-17=-8, 1-10=-80 Concentrated Loads (lb) Vert: 18=-1201

Scale = 1:38

Loading

TCLL

TCDL

BCLL

BCDL

LUMBER

TOP CHORD

2x4 SP SS(flat) BOT CHORD 2x4 SP No.3(flat) WEBS 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 11=0-4-8, 17=0-4-8 (size) Max Grav 11=1562 (LC 1), 17=897 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-17=-43/0, 10-11=0/89, 1-2=0/0, 2-3=-2033/0, 3-4=-3606/0, 4-5=-3606/0, 5-6=-3606/0, 6-7=-4535/0, 7-8=-4535/0, 8-9=-3587/0, 9-10=0/0 BOT CHORD 16-17=0/1179, 15-16=0/2920, 14-15=0/3606,

2x4 SP SS(flat)

#### 13-14=0/4399, 12-13=0/4902, 11-12=0/2258 WEBS 4-15=-1455/0, 5-14=0/604, 2-17=-1447/0, 2-16=0/1085, 3-16=-1126/0, 3-15=0/1750, 9-11=-2772/0, 9-12=0/1688, 8-12=-1671/0, 8-13=-557/0, 7-13=0/274, 6-13=0/228, 6-14=-1122/0

#### NOTES

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

Load case(s) 1 has/have been modified. Building 2) designer must review loads to verify that they are correct for the intended use of this truss.

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

## LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)



April 21,2025

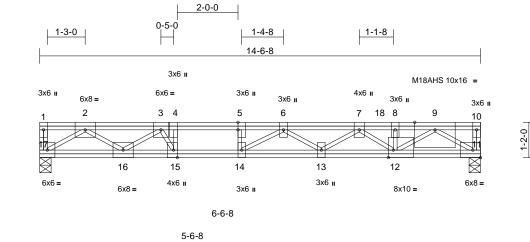
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGR1	Floor Girder	1	1	Job Reference (optional)	172869782

## Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:23 ID:zIpeZ242xdQ8wBhV8VgWQZzewHO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

Scale = 1:38

# Plate Offsets (X, Y): [5:0-3-0,Edge], [12:0-2-0,Edge], [15:0-3-0,Edge]

1-2-0

		. , , , , , ,		-								-	
Loading	(psf)	Spacing	1-4-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		тс	0.51	Vert(LL)	-0.06	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.57	Vert(CT)	-0.28	13-14	>607	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO		WB	0.96	Horz(CT)	0.04	11	n/a	n/a		
BCDL	5.0	Code	IRC2021	/TPI2014	Matrix-S		(0.)					Weight: 114 lb	FT = 20%F, 12%E
				-					-				
LUMBER			1)		or Live (balanced)	: Lumbe	r Increase=1	.00,					
TOP CHORD				Plate Increa									
BOT CHORD	( )			Uniform Lo	· · ·								
WEBS	2x4 SP No.3(flat) *E	xcept* 12-9:2x4 SP	No.2		17=-7, 1-10=-67								
	(flat)				ed Loads (lb)								
BRACING				Vert: 3=-	696, 18=-1700								
TOP CHORD			ed or										
	6-0-0 oc purlins, ex												
BOT CHORD	0 0 ,	applied or 10-0-0 o	С										
DELOTIONO	bracing.	17 0 1 0											
REACTIONS	· · · ·	, 17=0-4-8											
	Max Grav 11=2034		(1										
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension	70/0 4 0 0/0											
TOP CHORD	1-17=-34/0, 10-11=- 2-3=-3641/0, 3-4=-5	, ,											
	2-3=-3641/0, 3-4=-5 5-6=-5903/0, 6-7=-6												
	8-9=-5674/0, 9-10=0												
BOT CHORD	,		5903										
Bot offord	13-14=0/6486, 12-1												
WEBS	4-15=-848/0, 5-14=0												
	2-16=0/2009, 3-16=												11.
	9-11=-3475/0, 7-13=	-137/0, 6-13=0/308	,									"" CA	
	6-14=-798/0, 8-12=-	1162/0, 7-12=-1340	/0,									TH UA	ROIL
	9-12=0/3394										5	on teks	il this
NOTES											32	AN N	1.71
1) Unbalanc	ed floor live loads have	e been considered fo	or								-	The IL	1AL S
this desig													
<ul> <li>Notes</li> <li>10-14=0/0406, 12-13=0/0735, 11-12=0/2991</li> <li>WEBS</li> <li>4-15=-848/0, 5-14=0/237, 2-17=-2429/0, 2-16=0/2009, 3-16=-2171/0, 3-15=0/1246, 9-11=-3475/0, 7-13=-137/0, 6-13=0/308, 6-14=-798/0, 8-12=-1162/0, 7-12=-1340/0, 9-12=0/3394</li> <li>Notes</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) All plates are MT20 plates unless otherwise indicated.</li> <li>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.</li> <li>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.</li> </ul>								L : =					
3) Load case(s) 1 has/have been modified. Building													
designer must review loads to verify that they are correct 28677									1 1 2				
for the intended use of this truss.								÷.	1 3				
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d								ains					
(0.131" X 3") nails. Strongbacks to be attached to walls								EFICE					
at their outer ends or restrained by other means.									11	YN	IN IN		
LOAD CASE								NN L.G.	AL				
LUAD CASE	() Stanuaru											1111111	in the second se
												Amril	04 0005

April 21,2025

Page: 1

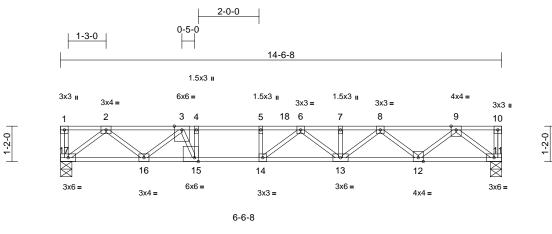
818 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 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	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F9	Floor	2	1	Job Reference (optional)	172869783

#### Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:18 ID:5NHi6gshRC7ljyEgOUSRSgzewO7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-0-0

Scale = 1:38

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.89 0.82 0.60	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.34 0.04	(loc) 13-14 13-14 11	l/defl >999 >500 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 75 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP DSS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 11=0-4-8.	cept end verticals.	Concentra Vert: 11: d or	-17=-8, 1-10=-80 ted Loads (lb) =-58, 8=-47, 18=-2	280							
	Max Grav 11=864 (I	_C 1), 17=779 (LC 1)										
FORCES	(lb) - Maximum Corr Tension	pression/Maximum										
TOP CHORD	1-17=-30/0, 10-11=- 2-3=-1613/0, 3-4=-2 5-6=-2807/0, 6-7=-2 8-9=-1703/0, 9-10=0	807/0, 4-5=-2807/0, 823/0, 7-8=-2823/0,										
BOT CHORD	16-17=0/964, 15-16	=0/2362, 14-15=0/28										
WEBS		=0/910, 8-12=-903/0,									WATH CA	ROM
NOTES	d fla an line la a da la anc		_							1	O FESS	Willing .
<ol> <li>Unbalance this design</li> </ol>	d floor live loads have	e been considered to	r							54	41 A	No. 7 in
designer m	(s) 1 has/have been must review loads to ve nded use of this truss	erify that they are cor	rect						1111		SEA	
<ol> <li>Recommer 10-00-00 o (0.131" X 3 at their out</li> <li>LOAD CASE(S</li> </ol>	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks er ends or restrained 5) Standard	n edge, spaced at th truss with 3-10d to be attached to wa by other means.							LI IV		OR LEESS SEA 2867	EER OF IT
Plate Incr	Joor Live (balanced): I rease=1.00 Loads (lb/ft)	_umber Increase=1.0	00,								L.G	ALIN: 121,2025

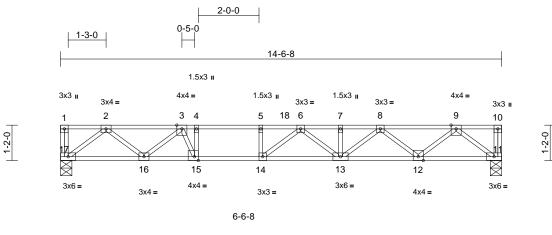
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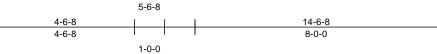
TEREERING BY TEREERING BY A MITCH Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F10	Floor	3	1	Job Reference (optional)	172869784

#### Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:19 ID:wLDF39ZR0jJD2i5dEyzpGhzewNE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-0-0

Scale = 1:38

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

Loading         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.75 0.65 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.29 0.03	(loc) 13-14 13-14 11	l/defl >999 >602 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 75 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD 2x4 SP SS(flat) BOT CHORD 2x4 SP SS(flat) WEBS 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood shea 6-0-0 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 11=0-4-8, Max Grav 11=864 (L FORCES (lb) - Maximum Com Tension TOP CHORD 1-17=-30/0, 10-11=-3	ept end verticals. applied or 10-0-0 oc 17=0-4-8 C 1), 17=703 (LC 1) pression/Maximum 32/0, 1-2=0/0,	Concentrat Vert: 11=	17=-8, 1-10=-80 ed Loads (lb) 58, 8=-223, 18=	-28							
2-3=-1429/0, 3-4=-2: 5-6=-2400/0, 6-7=-24 8-9=-1703/0, 9-10=0 BOT CHORD 16-17=-0/866, 15-16= 13-14=-0/2678, 12-13 WEBS 4-15=-710/0, 5-14=- 2-16=0/733, 3-16=-8 9-11=-1261/0, 9-12= 8-13=0/272, 7-13=- 6-14=-474/0	503/0, 7-8=-2603/0, /0 :0/2060, 14-15=0/24 3=0/2391, 11-12=0/19 16/159, 2-17=-1087/0 21/0, 3-15=0/1000, 0/908, 8-12=-895/0,	005								WH CA	BO
<ol> <li>b-14=-474/0</li> <li>NOTES</li> <li>1) Unbalanced floor live loads have this design.</li> <li>2) Load case(s) 1 has/have been m designer must review loads to ve for the intended use of this truss.</li> <li>3) Recommend 2x6 strongbacks, on 10-00-00 oc and fastened to eac (0.131" X 3") nails. Strongbacks at their outer ends or restrained fit</li> </ol>	odified. Building rify that they are com n edge, spaced at h truss with 3-10d to be attached to wa	rect						THURSE .	in a start of the	SEA 2867	

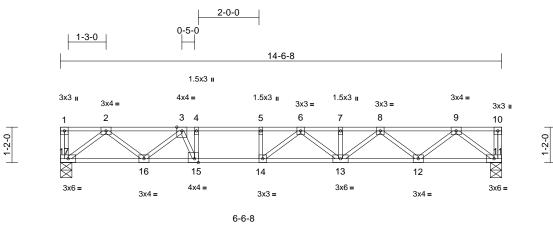
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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F12	Floor	1	1	Job Reference (optional)	172869785

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:19 ID:6XV6eAW?P\_G?1rdpM2uKzLzewM?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-0-0

Scale = 1:38

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

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.48 0.46 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.21 0.03	(loc) 13-14 13-14 11	l/defl >999 >820 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 75 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc	cept end verticals.	Concentrat Vert: 3=- d or	-17=-8, 1-10=-80 red Loads (lb) -141								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	;									
REACTIONS	(size) 11=0-4-8, Max Grav 11=667 (L											
FORCES	(lb) - Maximum Com Tension	,. , ,										
TOP CHORD	1-17=-31/0, 10-11=-3 2-3=-1512/0, 3-4=-2 5-6=-2332/0, 6-7=-2 8-9=-1359/0, 9-10=0	332/0, 4-5=-2332/0, 191/0, 7-8=-2191/0,										
BOT CHORD	16-17=0/907, 15-16= 13-14=0/2374, 12-13	=0/2138, 14-15=0/23										
WEBS	4-15=-470/0, 5-14=- 2-16=0/787, 3-16=-8 9-11=-1035/0, 9-12= 8-13=0/405, 7-13=-5 6-14=-173/275	138/37, 2-17=-1138/ 315/0, 3-15=0/650, =0/695, 8-12=-671/0,	0,								SEA 2867	Rouli
NOTES	0-14=-173/273									J.	OR	Sol M/
<ol> <li>Unbalance this design.</li> </ol>	d floor live loads have	been considered for	r							33		The
2) Load case( designer m	(s) 1 has/have been m nust review loads to ve nded use of this truss.	erify that they are cor	rect								SEA	L
10-00-00 o (0.131" X 3	nd 2x6 strongbacks, o c and fastened to eac 8") nails. Strongbacks er ends or restrained l	h truss with 3-10d to be attached to wa	alls								286	- R . N
LOAD CASE(S 1) Dead + Fl Plate Incre			00,								in min	mm
											Apri	l 21,2025

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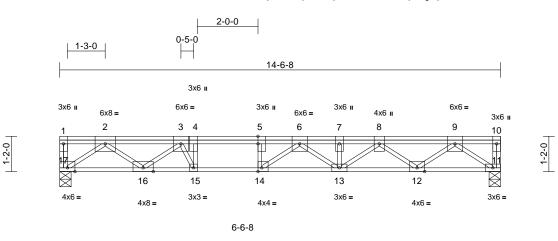
TRENCO A MiTek Affiliate

<sup>818</sup> Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F13	Floor	2	1	Job Reference (optional)	172869786

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:20 ID:LY3x63qJHzXJ8rdptVMQ0qzewLb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-0-0

Scale = 1:38

# Plate Offsets (X, Y): [5:0-3-0,Edge], [14:0-1-8,Edge]

$\begin{array}{r} 2\text{-}3\text{=-}3450/0, 3\text{-}4\text{=-}4772/0, 4\text{-}5\text{=-}4772/0, \\ 5\text{-}6\text{=-}4772/0, 6\text{-}7\text{=-}3680/0, 7\text{-}8\text{=-}3680/0, \\ 8\text{-}9\text{=-}2124/0, 9\text{-}10\text{=}0/0 \\ \text{BOT CHORD}  16\text{-}17\text{=}01/938, 15\text{-}16\text{=}0/4910, 14\text{-}15\text{=}0/4 \\ 13\text{-}14\text{=}0/4181, 12\text{-}13\text{=}0/2983, 11\text{-}12\text{=}0/2 \\ \text{WEBS}  2\text{-}17\text{=-}2379/0, 2\text{-}16\text{=}0/1921, 3\text{-}16\text{=-}1855 \\ 3\text{-}15\text{=-}791/0, 9\text{-}11\text{=-}1513/0, 9\text{-}12\text{=}0/113 \\ 8\text{-}12\text{=-}1090/0, 8\text{-}13\text{=}0/870, 7\text{-}13\text{=-}140/0 \\ 6\text{-}13\text{=-}625/0, 6\text{-}14\text{=}0/1092, 4\text{-}15\text{=}0/638, \\ \end{array}$	Concentrate Vert: 3=-1 ed or c 1)						
Max Grav         11=926 (LC 1), 17=1429 (LC           FORCES         (lb) - Maximum Compression/Maximum Tension           TOP CHORD         1.17=-39/0, 10-11=-39/0, 1-2=0/0, 2-3=-3450/0, 3-4=-4772/0, 4-5=-4772/0, 5-6=-4772/0, 6-7=-3680/0, 8-9=-2124/0, 9-10=0/0           BOT CHORD         16-17=0/1938, 15-16=0/4910, 14-15=0/-13-14=0/4181, 12-13=0/2983, 11-12=0/-13-14=0/4181, 12-13=0/2983, 11-12=0/-13-15=-791/0, 9-11=-1513/0, 9-12=0/113 8-12=-7991/0, 9-13=0/1921, 3-16=-1855-3-15=-791/0, 9-13=0/1921, 3-16=-1855-3-15=-791/0, 9-13=0/1921, 3-15=-1040/0           WEBS         2.17=-2379/0, 2-16=0/1921, 3-16=-1855-3-15=-791/0, 9-13=-0/1921, 3-15=-791/0, 9-13=0/2043-3-15=-791/0, 9-13=0/2043-3-15=-791/0, 9-13=-0/2045-3-15=-791/0, 9-13=0/2045-3-15=-791/0, 9-13=-0/2045-3-15=-791/0, 9-13=-0/1921, 3-15=-0/638, 70, 7-13=-140/0	4772,						
$\begin{array}{llllllllllllllllllllllllllllllllllll$	4772,						
$\begin{array}{rl} \mbox{TOP CHORD} & 1.17 = -39/0, \ 10 - 11 = -39/0, \ 1 - 2 = 0/0, \\ 2 - 3 = -3450/0, \ 3 - 4 = -4772/0, \ 4 - 5 = -4772/0, \\ 5 - 6 = -4772/0, \ 6 - 7 = -3680/0, \ 7 - 8 = -3680/0, \\ 8 - 9 = -2124/0, \ 9 - 10 = 0/0 \\ \mbox{BOT CHORD} & 16 - 17 = 0/1938, \ 15 - 16 = 0/4910, \ 14 - 15 = 0/. \\ 13 - 14 = 0/4181, \ 12 - 13 = 0/2983, \ 11 - 12 = 0/. \\ \mbox{WEBS} & 2 - 17 = -2379/0, \ 2 - 16 = 0/1921, \ 3 - 16 = -1855 \\ 3 - 15 = -791/0, \ 9 - 11 = -1513/0, \ 9 - 12 = 0/1133 \\ 8 - 12 = -1090/0, \ 8 - 13 = -0870, \ 7 - 13 = -140/0 \\ 6 - 13 = -625/0, \ 6 - 14 = 0/1092, \ 4 - 15 = 0/638, \end{array}$	4772,						
3-15=-791/0, 9-11=-1513/0, 9-12=0/113 8-12=-1090/0, 8-13=0/870, 7-13=-140/0 6-13=-625/0, 6-14=0/1092, 4-15=0/638,							
5-14=-566/0	2,					WITH CA	ARO
NOTES					1	ofiss	in the
<ol> <li>Unbalanced floor live loads have been considered for this design.</li> <li>Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are co for the intended use of this truss.</li> <li>Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d</li> </ol>					in M	SEA 286	AL 77
(0.131" X 3") nails. Strongbacks to be attached to w	alls				5	N.A.	a 12 3
at their outer ends or restrained by other means. LOAD CASE(S) Standard					1,0	ONGIN	EERICA
<ol> <li>Dead + Floor Live (balanced): Lumber Increase=1. Plate Increase=1.00 Uniform Loads (lb/ft)</li> </ol>	00,					in min	ALINS

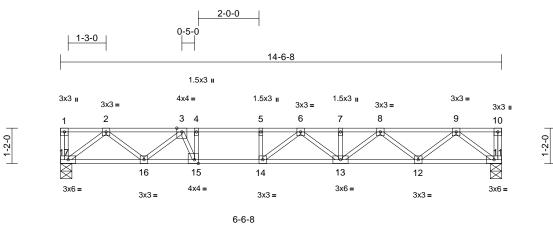
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

A MiTek Affi 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F11	Floor	4	1	Job Reference (optional)	172869787

Structural LLC Thurmont MD - 21788

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:19 ID:OLMv\_xB3mhsqHi3dHtv?NfzewMQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

#### Scale = 1:38

#### F

Plate Offsets (	X, Y): [15:0-1-8,Edge	e]		_							-	
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.56	Vert(LL)	-0.16	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.21	13-14	>803	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.37	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
LUMBER												
TOP CHORD	2x4 SP SS(flat)											
BOT CHORD	2x4 SP SS(flat)											

#### 2x4 SP No.3(flat) WEBS 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=0-4-8, 17=0-4-8 Max Grav 11=629 (LC 1), 17=629 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-17=-31/0, 10-11=-31/0, 1-2=0/0, 2-3=-1250/0, 3-4=-2010/0, 4-5=-2010/0, 5-6=-2010/0, 6-7=-2003/0, 7-8=-2003/0, 8-9=-1262/0, 9-10=0/0 BOT CHORD 16-17=0/771, 15-16=0/1767, 14-15=0/2010, 13-14=0/2137, 12-13=0/1734, 11-12=0/774 WEBS 4-15=-550/0, 5-14=-93/82, 2-17=-967/0, 2-16=0/624, 3-16=-673/0, 3-15=0/767, 9-11=-971/0, 9-12=0/635, 8-12=-614/0, 8-13=0/344, 7-13=-52/0, 6-13=-186/0, 6-14=-280/168

#### 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.

LOAD CASE(S) Standard



April 21,2025

Page: 1

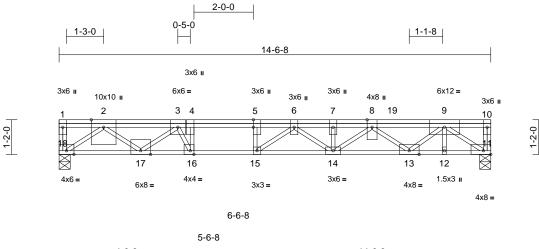
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF					
2503-4262-A	1F14	Floor	6	1	Job Reference (optional)	172869788				

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:20 ID:1XsRYEImOL1ywYKj?VTyTezewFq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





1-0-0

Scale = 1:38.8

## Plate Offsets (X, Y): [5:0-3-0,Edge], [11:Edge,0-1-8], [16:0-1-8,Edge]

	, 1). [0.0 0 0,∟uge],			-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 NO IRC2021	/TPI2014	<b>CSI</b> TC BC WB Matrix-S	0.42 0.72 0.86	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.30 0.08	(loc) 14-15 14-15 11	l/defl >999 >565 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 95 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
	0.0	0000										troigini oo ib	20/01,12/02
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP SS(flat) 2x4 SP SS(flat) 2x4 SP No.3(flat) *E: (flat)	xcept* 17-2:2x4 SP	1) No.2	Plate Increa Uniform Los Vert: 11- Concentrate	ads (lb/ft) 18=-8, 1-10=-80 ed Loads (lb)	Lumbe	r Increase=1	.00,					
BRACING				Vert: 3=-	1062, 19=-875								
TOP CHORD	Structural wood she 6-0-0 oc purlins, exe		ed or										
BOT CHORD	Rigid ceiling directly bracing.		0										
REACTIONS	(size) 11=0-4-8, Max Grav 11=1597		C 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-18=-43/0, 10-11=0 2-3=-3886/0, 3-4=-5 5-6=-5766/0, 6-7=-5 8-9=-3742/0, 9-10=0	766/0, 4-5=-5766/0, 399/0, 7-8=-5399/0,											
BOT CHORD	17-18=0/2167, 16-17 14-15=0/5661, 13-14 11-12=0/2353												
WEBS	2-18=-2660/0, 2-17= 3-16=-62/600, 9-11= 7-14=0/106, 6-14=-3 8-13=-1825/0, 9-12= 4-16=-510/43, 5-15=	2847/0, 8-14=0/274 328/0, 6-15=-2/482, 2/0, 9-13=0/1801,									and a	SEA 2867	ROUNT
NOTES											5 1		31. 2
,	ed floor live loads have	been considered fo	r									1000	11 1
this design		a differal Devilation								2		SEA	L i =
	e(s) 1 has/have been m nust review loads to ve		rrect							= =		2867	77 : E
	ended use of this truss.									-			1 5
	nd 2x6 strongbacks, o										1	N	A 18 8
	oc and fastened to eac 3") nails. Strongbacks		alle									NGIN	EEN
	ter ends or restrained l		ฉแอ								11	YN	INSIN
LOAD CASE(												L.G	AL



April 21,2025

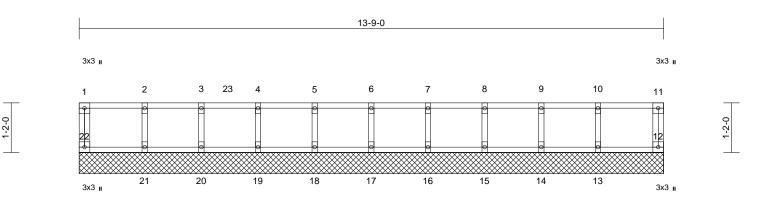
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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	170000700
2503-4262-A	1FGE7	Floor Supported Gable	1	1	Job Reference (optional)	172869789

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:22 ID:ptwlxP?nVUSaVdL3yO1oM5zewEv-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





#### Scale = 1:27.1

Loading	(psf)	Spacing	1-7-3		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.03	Vert(TL)	n/a	-	n/a	999	-	
BCLL	0.0	Rep Stress Incr	NO		WB	0.16	Horiz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code	IRC2021/TP	912014	Matrix-R	0.10		0.00		1.70		Weight: 59 lb	FT = 20%F, 12%E
												<u> </u>	, ,
LUMBER					1 has/have bee								
TOP CHORD	2x4 SP SS(flat)				st review loads to		at they are co	rrect					
BOT CHORD	2x4 SP No.2(flat)				ed use of this tru								
WEBS	2x4 SP No.3(flat)				2x6 strongbacks								
OTHERS	2x4 SP No.3(flat)				and fastened to								
BRACING			ot		nails. Strongba			ans					
TOP CHORD		eathing directly applie	u ui				ei means.						
	6-0-0 oc purlins, e			• • •	Standard	م مامر با ۱		~~					
BOT CHORD		y applied or 10-0-0 oc		Plate Increa	or Live (balanced	i): Lumbe	r increase=1.	00,					
	bracing.			Jniform Loa									
REACTIONS		-0, 13=13-9-0, 14=13-	5-0,		22=-8, 1-11=-80								
		-0, 16=13-9-0, 17=13-	· ·		ed Loads (lb)								
		-0, 19=13-9-0, 20=13- -0, 22=13-9-0	9-0, 0		620, 23=-753								
		.C 1), 13=123 (LC 1),			20,20 .00								
		(LC 1), 15=124 (LC 1)											
		(LC 1), 17=141 (LC 1)											
		C 1), 19=538 (LC 1),	,										
	20=594	(LC 1), 21=32 (LC 1),											
	22=78 (L	C 1)											
FORCES	(lb) - Maximum Cor	mpression/Maximum											
	Tension												
TOP CHORD	1-22=-73/0, 11-12=	, , ,											
		/0, 4-5=-16/0, 5-6=-16											in the second se
	,	/0, 8-9=-16/0, 9-10=-1	6/0,									ITH UA	ROIL
	10-11=-16/0	0/40 40 00 0/40									1	ON	L. MANY
BOT CHORD	21-22=0/16, 20-21= 18-19=0/16, 17-18=	, , ,									22		1. S.
	15-16=0/16, 14-15=	, , ,									2	AL N	May: 1 -
	12-13=0/16	-0/10, 13-14-0/10,										North State	N 1 E
WEBS		-17/0, 4-19=-527/0,								=		SEA	L 1 E
	3-20=-584/0, 2-21=									=		0007	
	8-15=-113/0, 9-14=	-718/0, 10-13=-115/0								1		2007	(/ : :
NOTES												SEA 2867	L 77
	are 1.5x3 (  ) MT20 u	nless otherwise										1. 6.	Ains
indicated.											110	O, VGIN	EFICE
	uires continuous botto										1	YN	IN IN
		one face or securely										11, L.G.	AL
		nt (i.e. diagonal web).										China L. G	inin,
<ol><li>Gable stud</li></ol>	ds spaced at 1-4-0 oc	L.										1000	

April 21,2025



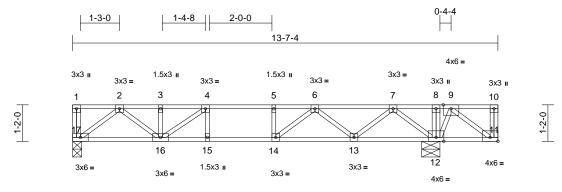
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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F22	Floor	2	1	Job Reference (optional)	172869790

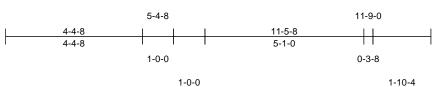
Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:31 ID:KqP897?Qla4B1M1OiCp1O2y8MUF-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

13-7-4

Page: 1



6-4-8



Scale = 1:36.8

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

Looding	(nof)	Specing	1-4-0		CSI		DEFL	1-	(loc)	1/dof	L/d	PLATES	GRIP
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	1-4-0		TC	0.84	Vert(LL)	in 0.09	(loc) 13-14	l/defl >999	L/a 480	MT20	244/190
TCDL	40.0	Lumber DOL	1.00		BC	0.66	Vert(CT)	0.09		>999	360	101120	244/190
BCLL	0.0	Rep Stress Incr	NO		WB	0.65	Horz(CT)	0.01	13-14	>333 n/a	n/a		
BCDL	5.0	Code		21/TPI2014	Matrix-S	0.05	11012(01)	0.01	12	n/a	n/a	Weight: 73 lb	FT = 20%F, 12%E
BODL	5.0	Code	INCZUZ	1/1712014	Watrix-3	-						Weight. 73 lb	FT = 20 /0F, TZ /0E
LUMBER			4)		2x6 strongbacks								
TOP CHORE					and fastened to e								
BOT CHORE					) nails. Strongbad r ends or restraine			ans					
WEBS	2x4 SP No.3(flat)		5)		Do not erect truss								
BRACING			<u></u>		other connection								
TOP CHORE		eathing directly applie	ed or <sup>o</sup>		ficient to support			00					
BOT CHORE	6-0-0 oc purlins, ex				3-5-12 on top ch								
BUICHURL	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	applied of 6-0-0 oc			nection device(s)								
REACTIONS	0	, 17=0-3-8		others.	( )								
REACTIONS	Max Uplift 17=-26 (L	,	7)		CASE(S) section			ace					
	Max Grav 12=1495	,	3)		are noted as front	(F) or ba	ick (B).						
FORCES	(lb) - Maximum Con		Ý L	OAD CASE(S)									
IUNCES	Tension	ipression/iviaximum	1)		or Live (balanced	): Lumbe	r Increase=1.	00,					
TOP CHORE		-830/0. 1-2=0/0.		Plate Increa									
	,	-714/101, 4-5=-876/4	04,	Uniform Lo	ads (ID/π) ·17=-7, 1-10=-67								
	5-6=-876/404, 6-7=-	-364/997, 7-8=0/153	1,		ed Loads (lb)								
	8-9=0/1531, 9-10=0				=-796 (F=-700)								
BOT CHORE	, -	,		vent. 10=	=-790 (F=-700)								
	14-15=-404/876, 13	,											
	12-13=-1231/25, 11												
WEBS	4-15=-136/31, 5-14=		0									minin	11111
	2-17=-539/66, 2-16= 7-13=0/566, 6-13=-{	=-62/362, 7-12=-845/	0,								-	WAH CA	Rollin
		-1014/0, 3-16=-184/	17								1	Rive	
	4-16=-272/369	-1014/0, 5-10104/	.,								2.	0	No Vin
NOTES											32		White 3
	ced floor live loads have	e been considered fo	r								-		
this desig			•							-		SEA	1 : =
	5A Simpson Strong-Tie	connectors								=			<u> </u>
	ended to connect truss		to							E		286	// : :
	at jt(s) 17. This connect		nd									s	1 E
	consider lateral forces.										1	N	A 1 . 2
	se(s) 1 has/have been n										24	SEA 286	FERRE
	must review loads to v		rrect								11	YA,	NS
for the in	tended use of this truss	i.										L.G	ALILIN
												111111	min

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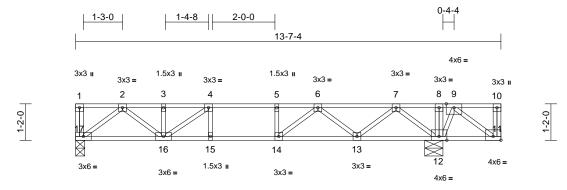


April 21,2025

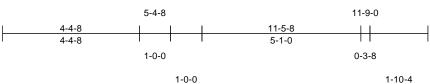
Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F22A	Floor	1	1	Job Reference (optional)	172869791

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:31 ID:KqP897?Qla4B1M1OiCp1O2y8MUF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

13-7-4



6-4-8





Scale = 1:36.8

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

					· · · · · ·					-	
Loading (psf)	Spacing	1-4-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	0.09	13-14	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	0.12	13-14	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB	0.66	Horz(CT)	-0.01	12	n/a	n/a		
BCDL 5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%F, 12%E
	Code athing directly applied sept end verticals. applied or 6-0-0 oc 17=0-3-8 C 4) LC 1), 17=365 (LC 3 pression/Maximum 340/0, 1-2=0/0, 399/116, 4-5=-845/43 311/1050, 7-8=0/1601 0 6=-436/845, 14=-784/644, 2=-1106/0 -276/0, 8-12=-2303/0 -70/354, 7-12=-868/0 99/0, 6-14=0/658, 1065/0, 3-16=-188/13 been considered for connectors bearing walls due to on is for uplift only an odified. Building	A Recommendation of the format		, on edge ach truss ks to be d by oth- backware device(s concentri- ord. The s the res , loads a (F) or ba ): Lumbe	e, spaced at s with 3-10d attached to wal er means. ds. s) shall be ated load(s) 700 design/selectio ponsibility of pplied to the fac ick (B).	lls 0 on ce				Weight: 73 lb	EER Stunner

April 21,2025

Page: 1



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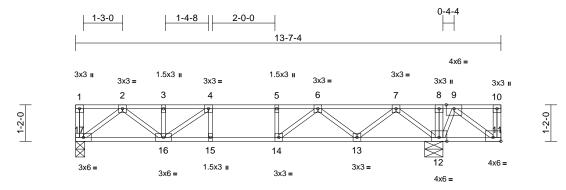
818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F21	Floor Girder	1	1	Job Reference (optional)	172869792

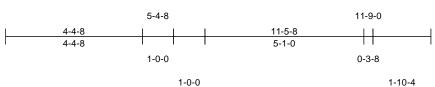
Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:30 ID:serlxn\_o\_GyKPCSC8Vlorqy8MUG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

13-7-4

Page: 1



6-4-8



Scale = 1:36.8

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

Loading	(psf)	Spacing	1-4-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	(psi) 40.0	Plate Grip DOL	1.00		TC	0.83	Vert(LL)	0.09	· · ·	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.66	Vert(CT)	0.00		>999	360	WI120	244/100
BCLL	0.0	Rep Stress Incr	NO		WB	0.64	Horz(CT)	0.01	10 14	n/a	n/a		
BCDL	5.0	Code		1/TPI2014	Matrix-S	0.04	11012(01)	0.01	12	n/a	n/a	Weight: 73 lb	FT = 20%F, 12%E
BCDL	5.0	Coue	INCZUZ	.1/1712014	Wattix-5							Weight. 73 lb	FT = 20 /0F, 12 /0E
LUMBER			4)		2x6 strongbacks								
TOP CHORD	( )				and fastened to e								
BOT CHORD					nails. Strongbac			alls					
WEBS	2x4 SP No.3(flat)		<b>C</b> )		ends or restraine								
BRACING			5) Jar 6)		o not erect truss other connection								
TOP CHORD		athing directly applie	dor <sup>b)</sup>		ficient to support of			00					
	6-0-0 oc purlins, ex				3-5-12 on top cho								
BOT CHORD	0 0 7	applied or 6-0-0 oc			ection device(s) is			.1011					
REACTIONS	bracing.	, 17=0-3-8		others.			,						
REACTIONS	(size) 12=0-7-0 Max Uplift 17=-24 (L	,	7)		CASE(S) section			ace					
		,	<b>)</b> \	of the truss a	are noted as front	(F) or ba	ck (B).						
	Max Grav 12=1476		" L(	OAD CASE(S)	Standard								
FORCES	(lb) - Maximum Com	npression/Maximum	1)	Dead + Flo	or Live (balanced)	): Lumbe	r Increase=1.	00,					
	Tension	011/0 1 2 0/0		Plate Increa									
TOP CHORD		·814/0, 1-2=0/0, '20/95, 4-5=-890/390		Uniform Lo									
	,	-388/973, 7-8=0/1501			17=-7, 1-10=-67								
	8-9=0/1501, 9-10=0		,		ed Loads (lb)								
BOT CHORD				Vert: 10=	=-779 (F=-700)								
	14-15=-390/890, 13												
	12-13=-1204/51, 11												
WEBS	4-15=-133/34, 5-14=	=-265/0, 8-12=-43/0,											1111
	2-17=-544/62, 2-16=	-58/366, 7-12=-840/	0,									"" CI	DUL
	7-13=0/562, 6-13=-5											"TH UP	NON IN
		-996/0, 3-16=-183/19	,								5	on iss	State 1
	4-16=-281/360										32	SEA 286	1. 7 2
NOTES											2 -	HI SA	ILY: 3
	ed floor live loads have	e been considered for								1	: /		. <u>1</u> 1 2
this desig												SEA	L : =
	A Simpson Strong-Tie											286	77 : 2
	nded to connect truss t											200	(/ <u>;</u> ;
	at jt(s) 17. This connect		าต								3	1. Contraction of the second s	1 3
	consider lateral forces.										3 .	1. 6.	Ains
	e(s) 1 has/have been n		roct								1	O, VGIN	EFICE
	must review loads to ve ended use of this truss		lect								11	YN	"IN"
	011100 000 01 01110 0000	•										L. G	AL
												1111111	111111

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

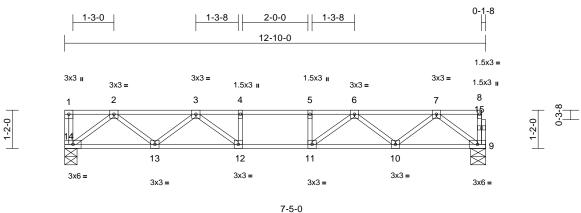
April 21,2025



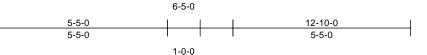
Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F15	Floor	10	1	Job Reference (optional)	172869793

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:20 ID:6wCg9RgKHGQBeY60NhQYKnzew7b-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







1-0-0

Scale = 1:35.1

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC2021/TPI2014	BC	0.56 0.71 0.31	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.03	(loc) 12-13 12-13 9	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 64 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS		cept end verticals. applied or 10-0-0 oc 14=0-4-8	Vert: 14= d or	ed Loads (lb) 58								
FORCES TOP CHORD BOT CHORD WEBS	Max Grav 9=686 (LC (lb) - Maximum Com Tension 1-14=-40/0, 8-9=-36 3-4=-2050/0, 4-5=-2 6-7=-1345/0, 7-8=-2 13-14=0/848, 12-13: 10-11=0/1807, 9-10: 4-12=-235/0, 5-11=- 2-13=0/647, 3-13=-€ 7-9=-1061/0, 7-10=0	pression/Maximum /0, 1-2=0/0, 2-3=-13- 050/0, 5-6=-2050/0, /0 =0/1807, 11-12=0/20 =0/848 235/0, 2-14=-1064/0 501/0, 3-12=0/509,	50,									
<ul> <li>this design</li> <li>Load case designer m</li> <li>for the inte</li> <li>Recomment</li> <li>10-00-00 c</li> <li>(0.131" X 3 at their out</li> <li>CAUTION,</li> <li>LOAD CASE(5</li> <li>Dead + F</li> <li>Plate Incr</li> <li>Uniform L</li> </ul>	(s) 1 has/have been m nust review loads to ve inded use of this truss nd 2x6 strongbacks, o co and fastened to eac 3") nails. Strongbacks ter ends or restrained , Do not erect truss ba	nodified. Building ify that they are con n edge, spaced at th truss with 3-10d to be attached to wa by other means. ckwards.	rect alls						. and the second		SEA 2867 OK L. G	EER. SK IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

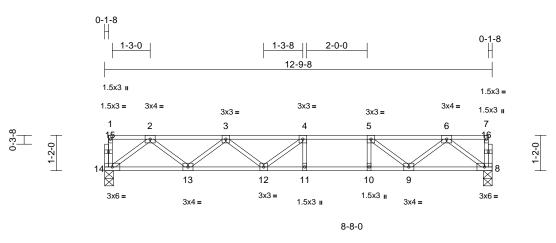
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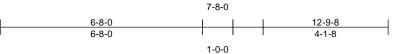


Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F18	Floor	3	1	Job Reference (optional)	172869794

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:30 ID:\_tbF6PxHw1Suwa9RvfEsh\_y8MUK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:38	( )							(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	0.39	Vert(LL)	-0.14	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.19	11-12	>790	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 64 lb	FT = 20%F, 12%E
LUMBER												

TOP CHORD	2x4 SP SS(flat)
BOT CHORD	2x4 SP SS(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(size) 8=0-3-8, 14=0-3-8
	Max Grav 8=684 (LC 1), 14=684 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum Tension
FORCES	
	Tension 1-14=-44/0, 7-8=-49/0, 1-2=-3/0, 2-3=-1347/0, 3-4=-1964/0, 4-5=-1968/0, 5-6=-1344/0,

#### NOTES

Unbalanced floor live loads have been considered for 1) 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.

LOAD CASE(S) Standard

# OR The second se SEAL 28677 GA mm

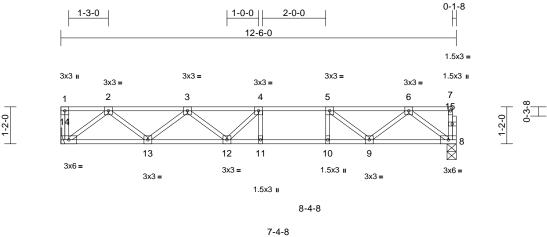
April 21,2025

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F17	Floor	2	1	Job Reference (optional)	172869795

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:29 ID:\_tbF6PxHw1Suwa9RvfEsh\_y8MUK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

Scale = 1:36.4					1-0-	-0						
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	0.58	Vert(LL)	-0.14	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.18	11-12	>809	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 12%E
UMBER			·									
OP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP SS(flat)											
NEDC	2v4 CD No 2(flot)											

IOP	Cr	101	
BOT	CF	IOI	

BOT CHORD	2x4 SP 33(lial)
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) 8=0-3-8, 14= Mechanical
	Max Grav 8=668 (LC 1), 14=674 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum Tension
TOP CHORD	1-14=-44/0, 7-8=-44/0, 1-2=0/0, 2-3=-1304/0, 3-4=-1893/0, 4-5=-1885/0, 5-6=-1300/0, 6-7=-3/0
BOT CHORD	13-14=0/815, 12-13=0/1768, 11-12=0/1885, 10-11=0/1885, 9-10=0/1885, 8-9=0/803
WEBS	4-11=-243/41, 5-10=-8/241, 2-14=-1022/0, 2-13=0/637, 3-13=-604/0, 3-12=0/264, 4-12=-239/169, 6-8=-1004/0, 6-9=0/647, 5-9=-755/0

#### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections. 2)

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 3) (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



April 21,2025

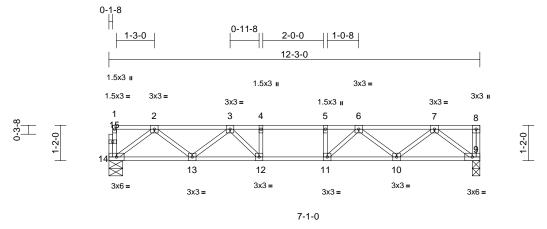
Page: 1

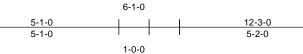
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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F16	Floor	10	1	Job Reference (optional)	172869796

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:21 ID:qJkkG7oaXyMappqKvIUwi5zUglb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

Scale = 1:38

TCLL         40.0         Plate Grip DOL         1.00         TC         0.54         Vert(LL)         -0.09         10-11         >999         480         MT20         2           TCDL         10.0         Lumber DOL         1.00         BC         0.65         Vert(CT)         -0.12         10-11         >999         360           BCLL         0.0         Rep Stress Incr         NO         WB         0.28         Horz(CT)         0.03         9         n/a         n/a	GRIP					
TCDL       10.0       Lumber DOL       1.00       BC       0.65       Ver(CT)       -0.12       10-11       >999       360         BCLL       0.0       Rep Stress Incr       NO       WB       0.28       Horz(CT)       0.03       9       n/a       n/a         BCDL       5.0       Code       IRC2021/TPI2014       Matrix-S       WB       0.28       Weight: 62 lb       F         LUMBER       TOP CHORD       2x4 SP No.2(flat)       Security       Sec						
BCLL       0.0       Rep Stress Incr       NO       WB       0.28       Horz(CT)       0.03       9       n/a       Meight: 62 lb       F         BCDL       5.0       Code       IRC2021/TPI2014       Matrix-S       Matrix-S       Veight: 62 lb       F         LUMBER       TOP CHORD       2x4 SP No.2(flat)       So (2)       Veight: 62 lb       F	244/190					
BCDL     5.0     Code     IRC2021/TPI2014     Matrix-S       LUMBER       TOP CHORD     2x4 SP No.2(flat)       BOT CHORD     2x4 SP No.2(flat)						
LUMBER TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)						
TOP CHORD         2x4 SP No.2(flat)           BOT CHORD         2x4 SP No.2(flat)	FT = 20%F, 12%E					
TOP CHORD         2x4 SP No.2(flat)           BOT CHORD         2x4 SP No.2(flat)						
BOT CHORD 2x4 SP No.2(flat)						
WEBS 2x4 SP No.3(flat)						
OTHERS 2x4 SP No.3(flat)						
BRACING						
TOP CHORD Structural wood sheathing directly applied or						
6-0-0 oc purlins, except end verticals.						
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.						
REACTIONS         (size)         9=0-3-0, 14=0-5-8           Max Grav         9=660 (LC 1), 14=654 (LC 1)						
FORCES (Ib) - Maximum Compression/Maximum						
Tension						
TOP CHORD 1-14=-35/0, 8-9=-39/0, 1-2=-2/0, 2-3=-1263/0,						
3-4=-1860/0, 4-5=-1860/0, 5-6=-1860/0,						
6-7=-1265/0, 7-8=0/0 BOT CHORD 13-14=0/805, 12-13=0/1690, 11-12=0/1860,						
10-11=0/1689, 9-10=0/806						
WEBS 4-12252/0, 5-11237/0, 2-141008/0,						
2-13=0/596, 3-13=-555/0, 3-12=0/453,						
6-11=0/444	2					
NOTES	1111					
1) Unbalanced floor live loads have been considered for	Out					
this design.	MAN'S					
2) Provide mechanical connection (by others) of truss to	1. 7 -					
bearing plate at joint(s) 9.	641 E					
<ul> <li>7-9=-1011/0, 7-10=0/597, 6-10=-552/0, 6-11=0/444</li> <li>NOTES</li> <li>1) Unbalanced floor live loads have been considered for this design.</li> <li>2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.</li> <li>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.</li> <li>4) CAUTION, Do not erect truss backwards.</li> <li>LOAD CASE(S) Standard</li> </ul>						
(0.131" X 3") nails. Strongbacks to be attached to walls						
at their outer ends or restrained by other means.	e 🕴 E					
4) CAUTION, Do not erect truss backwards.						
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(11111111) April 21,2025

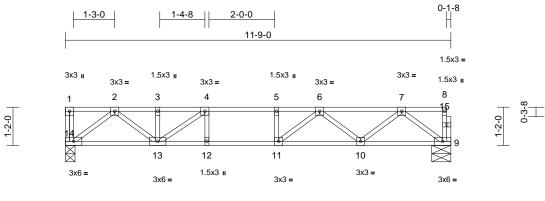
Page: 1

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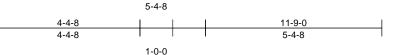


Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F27	Floor	1	1	Job Reference (optional)	172869797

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:33 ID:j8E97tW?eLwh7L0SCvurcbzvFYs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0

Scale = 1:35.1

		1	:	-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	TC	0.37	Vert(LL)	-0.07	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.09	10-11	>999	360	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S	0.20		0.02	Ū			Weight: 60 lb	FT = 20%F, 12%E
								-				
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she		ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
	bracing.											
REACTIONS	(size) 9=0-7-0,											
	Max Grav 9=418 (L0	C 1), 14=422 (LC 1)										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-14=-38/0, 8-9=-24		2/0,									
	3-4=-832/0, 4-5=-11	, ,										
	6-7=-802/0, 7-8=-1/0											
BOT CHORD												
	10-11=0/1057, 9-10											
WEBS	4-12=-15/74, 5-11=-	,,										
	2-13=0/429, 7-9=-64	, ,										
	6-10=-332/0, 6-11=-	20/242, 3-13=-96/48	3,									

#### NOTES

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

4-13=-438/0

 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



April 21,2025

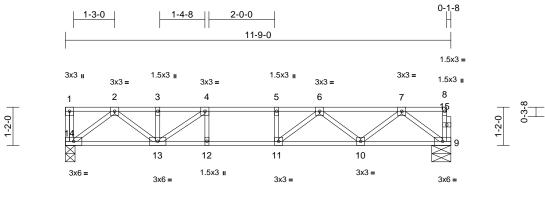
Page: 1

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



Job		Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-42	262-A	2F20	Floor	3	1	Job Reference (optional)	172869798

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:30 ID:OSHNkRz9DyqTn2t0annZldy8MUH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0

Scale = 1:35.1

00010 = 1.00.1												
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	0.39	Vert(LL)	-0.06	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.08	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.01	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 60 lb	FT = 20%F, 12%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP SS(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	C									
	bracing.											
REACTIONS	(size) 9=0-7-0, 2	14=0-3-8										
	Max Grav 9=418 (L0	C 1), 14=422 (LC 1)										

FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-14=-38/0, 8-9=-24/0, 1-2=0/0, 2-3=-832/0,
	3-4=-832/0, 4-5=-1131/0, 5-6=-1131/0,
	6-7=-802/0, 7-8=-1/0
BOT CHORD	13-14=0/496, 12-13=0/1131, 11-12=0/1131,
	10-11=0/1056, 9-10=0/514
WEBS	4-12=-19/83, 5-11=-113/0, 2-14=-622/0,
	2-13=0/429, 7-9=-643/0, 7-10=0/375,

2-13=0/429, 7-9=-043/0, 7-10=0/375,
6-10=-330/0, 6-11=-16/240, 3-13=-93/43,
4-13=-438/0

### 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



April 21,2025

Page: 1

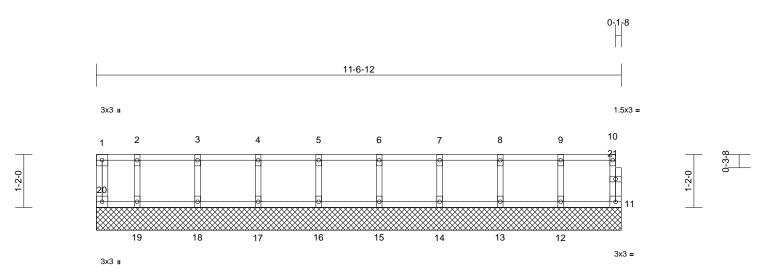
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGE4	Floor Supported Gable	1	1	Job Reference (optional)	172869799

#### Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:22 ID:Xb1O33c0E2hhOM0wVQ6qvSzewR1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:25.4

						· · · · ·						
Loading	(psf)	Spacing	1-7-3	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	(100)	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		210,100
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R	0.00	110112(112)	0.00		11/4	n/a	Weight: 50 lb	FT = 20%F, 12%E
BODE	0.0	Ouc		WIGHTIX TX							Weight. 50 lb	11 = 20701, 1270E
LUMBER			5) Recommend	2x6 strongbacks,	on edae	e, spaced at						
TOP CHORD	2x4 SP No.2(flat)			and fastened to ea								
BOT CHORD	2x4 SP No.2(flat)		(0.131" X 3"	) nails. Strongback	ks to be	attached to w	alls					
WEBS	2x4 SP No.3(flat)		at their oute	r ends or restrained	d by othe	er means.						
OTHERS	2x4 SP No.3(flat)		6) CAUTION, I	Do not erect truss b	backward	ds.						
BRACING			LOAD CASE(S)	Standard								
TOP CHORD	Structural wood she	athing directly applied	. ,									
	6-0-0 oc purlins, ex											
BOT CHORD		applied or 10-0-0 oc										
201 0110112	bracing.											
REACTIONS	0	2, 12=11-6-12,										
		12, 14=11-6-12,										
		2, 16=11-6-12,										
		2, 18=11-6-12,										
		2, 20=11-6-12										
	Max Grav 11=42 (LC	C 1), 12=118 (LC 1),										
	13=117 (L	.C 1), 14=117 (LC 1),										
	15=117 (L	C 1), 16=118 (LC 1),										
	17=116 (L	C 1), 18=122 (LC 1),										
	19=93 (LC	C 1), 20=30 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD		39/0, 1-2=-5/0, 2-3=-5	5/0,									• 12 A.
	3-4=-5/0, 4-5=-5/0, 5										, in the second	
	7-8=-5/0, 8-9=-5/0, 9									.0	"TH CA	Roil
BOT CHORD		5, 17-18=0/5, 16-17=								1	River	- Multing
		5, 13-14=0/5, 12-13=	0/5,								0	No Vie
	11-12=0/5									52		12. Y 2
WEBS	9-12=-106/0, 8-13=-								2	-		NV
	6-15=-107/0, 5-16=-								=		CEA	1 1 2
	3-18=-110/0, 2-19=-	88/0							=	- I	SEA	
NOTES									=		SEA 2867	77 : 2
<ol> <li>All plates</li> </ol>	are 1.5x3 (  ) MT20 un	less otherwise							1			1 2
indicated.										-	1. Contract (1. Contract)	1 2
	uires continuous bottor									20	. Enia	- CRINS
	e fully sheathed from c									27	GIN	EF. GT
	ainst lateral movement	t (i.e. diagonal web).								11	NY	IN IN
<ol> <li>Gable stud</li> </ol>	ds spaced at 1-4-0 oc.										11, L.G	AL
											L.G	11111.

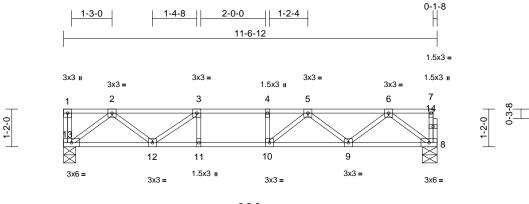
# April 21,2025

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	17000000		
2503-4262-A	1F7	Floor	8	1	Job Reference (optional)	172869800		

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:18 ID:HnuHvkhjNO\_efXd7UIEmICzewSE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f







1-0-0

Scale = 1:35.7

		1	:	1							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	0.36	Vert(LL)	-0.08	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.10	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%F, 12%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	C									
	bracing.											
	(size) 8=0-5-8,											
	Max Grav 8=411 (L0	C 1), 13=415 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-13=-27/0, 7-8=-24		0/0,									
	3-4=-1096/0, 4-5=-1 6-7=-1/0	096/0, 5-6=-784/0,										
BOT CHORD	12-13=0/500, 11-12:	0/1006 10 11 0/1	206									
BUICHURD	9-10=0/1032, 8-9=0/		J30,									
WEBS	3-11=-25/83, 4-10=-											
	2-12=0/364, 3-12=-4											
	6-9=0/364, 5-9=-323	, , ,										

#### 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

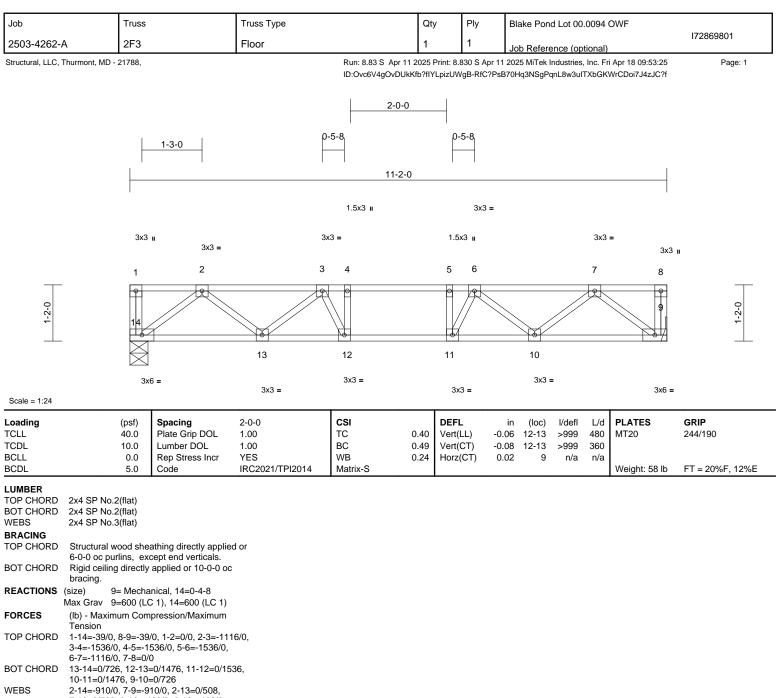


April 21,2025

Page: 1

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 10-11=U/14/6, 9-10=0//26

 WEBS
 2-14=-910/0, 7-9=-910/0, 2-13=0/508,

 7-10=0/508, 3-13=-468/0, 6-10=-468/0,
 3-12=-72/402, 6-11=-72/402, 4-12=-298/37,

 5-11=-298/37
 5-11=-298/37

#### NOTES

- Unbalanced floor live loads have been considered for this design.
- 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



April 21,2025

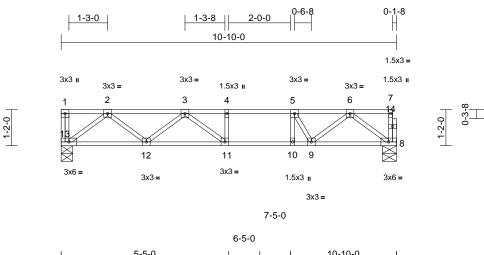
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

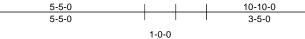


Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F17	Floor	5	1	Job Reference (optional)	172869802

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:21 ID:6wCg9RgKHGQBeY60NhQYKnzew7b-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





1-0-0

#### Scale = 1:37.2

Loading TCLL TCDL BCLL BCDL	(psf)Spacing40.0Plate Grip DOL10.0Lumber DOL0.0Rep Stress Incr5.0Code	2-0-0 1.00 1.00 NO IRC2021/TPI2014	CSI TC BC WB Matrix-S	0.65 0.49 0.28	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.14 0.01	(loc) 11-12 11-12 8	l/defl >999 >931 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 55 lb	<b>GRIP</b> 244/190 FT = 20%F, 12%E
LUMBER TOP CHORD 2x4 SP N BOT CHORD 2x4 SP S WEBS 2x4 SP N OTHERS 2x4 SP N BRACING	S(flat) 5.3(flat) 5.3(flat)										
6-0-0 oc p											
REACTIONS (size) Max Grav	8=0-5-8, 13=0-4-8 8=576 (LC 1), 13=582 (LC 1	1)									
FORCES (Ib) - Max Tension	imum Compression/Maximu	n									
TOP CHORD 1-13=-40/ 3-4=-140/ 6-7=-4/0	0, 7-8=-60/0, 1-2=0/0, 2-3=- )/0, 4-5=-1400/0, 5-6=-1118/ 207, 11-12=0/1392, 10-11=0/	0,									

NOTES

WEBS

 Unbalanced floor live loads have been considered for this design.

4-11=-125/0, 5-10=0/282, 2-13=-887/0, 2-12=0/492, 3-12=-401/0, 3-11=-99/242, 6-8=-830/0, 6-9=0/589, 5-9=-614/0

 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



April 21,2025

Page: 1

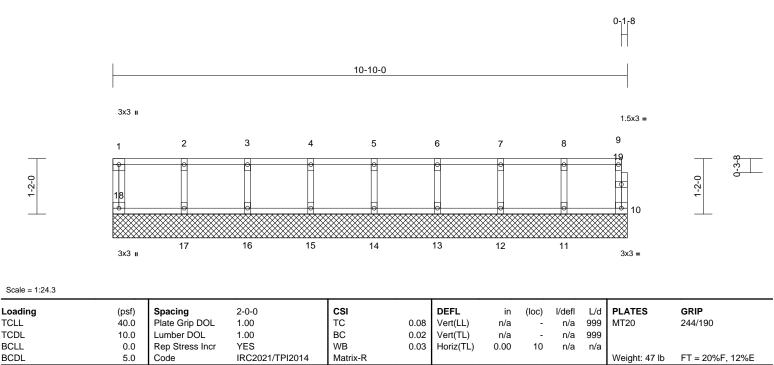
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGE8	Floor Supported Gable	1	1	Job Reference (optional)	172869803

#### Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:23 ID:6mvFXRVVr4dmvwzxsVGPXkzewEG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



BCDL
LUMBER

TCLL

TCDI

BCLL

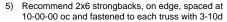
LUMBER		
TOP CHORD	2x4 SP N	o.2(flat)
BOT CHORD	2x4 SP N	o.2(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD		I wood sheathing directly applied or purlins, except end verticals.
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	10=10-10-0, 11=10-10-0,
		12=10-10-0, 13=10-10-0,
		14=10-10-0, 15=10-10-0,
		16=10-10-0, 17=10-10-0,
		18=10-10-0
	Max Grav	
		12=149 (LC 1), 13=146 (LC 1),
		14=147 (LC 1), 15=147 (LC 1),
		16=145 (LC 1), 17=154 (LC 1), 18=72 (LC 1)
FORCES	(lh) - Max	timum Compression/Maximum
	Tension	
TOP CHORD	1-18=-66	/0, 9-10=-53/0, 1-2=-13/0, 2-3=-13/0,
	3-4=-13/0	0, 4-5=-13/0, 5-6=-13/0, 6-7=-13/0,
	7-8=-13/0	), 8-9=-13/0
BOT CHORD	17-18=0/	13, 16-17=0/13, 15-16=0/13,
	14-15=0/	13, 13-14=0/13, 12-13=0/13,
		13, 10-11=0/13
WEBS	8-11=-12	8/0, 7-12=-135/0, 6-13=-133/0,

	14-15=0/13, 13-14=0/13, 12-13=0/13,
	11-12=0/13, 10-11=0/13
WEBS	8-11=-128/0, 7-12=-135/0, 6-13=-133/0,
	5-14=-133/0, 4-15=-134/0, 3-16=-132/0,
	2-17=-139/0
-	

## NOTES

- All plates are 1.5x3 (||) MT20 unless otherwise 1) indicated.
- Gable requires continuous bottom chord bearing. 2) Truss to be fully sheathed from one face or securely 3)
- braced against lateral movement (i.e. diagonal web).

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



(0.131" X 3") nails. Strongbacks to be attached to walls

at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

"TOW" STATE THURSDAY TO THE TANK SEAL 28677 L. GA mmm

April 21,2025

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 PCB Building Component Science Michael Component Advancing Component Advancing Component Advancing and PCB and Component Advancing Component Compone and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

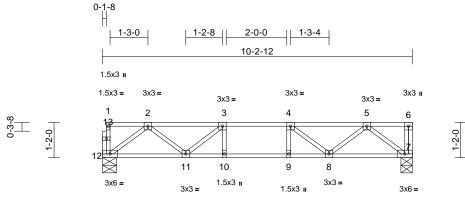


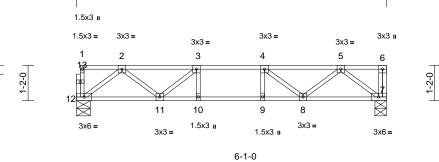
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F6	Floor	6	1	Job Reference (optional)	172869804

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:18 ID:Jtvz6U\_rutuFPG4GwPjTIBzewVj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







1-0-0

#### Scale - 1.38

Scale = 1:38												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.05	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.06	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 52 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals.										

REACTIONS	(size) 7=0-4-8, 12=0-5-8
	Max Grav 7=439 (LC 1), 12=434 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-12=-27/0, 6-7=-29/0, 1-2=-2/0, 2-3=-789/0,
	3-4=-1036/0, 4-5=-788/0, 5-6=0/0
BOT CHORD	11-12=0/526, 10-11=0/1036, 9-10=0/1036,
	8-9=0/1036, 7-8=0/529
WEBS	3-10=-57/84, 4-9=-61/77, 5-7=-664/0,
	5-8=0/337, 4-8=-347/0, 2-12=-657/0,
	2-11=0/343, 3-11=-351/0

#### NOTES

Unbalanced floor live loads have been considered for 1) 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



April 21,2025

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 **PCB Building Component Scietus Information**, and the from the Structure Building Component Advance interport of the property damage. 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	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGE2	Floor Supported Gable	1	1	Job Reference (optional)	172869805

1-2-0

0-1-8

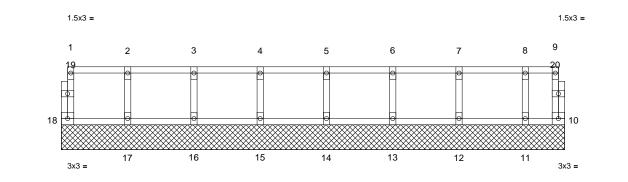
#### Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:21 ID:b5wf3NDHqXIadzbO5QAYXwzUjgF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

1-2-0

0<sub>1</sub><sub>6</sub>8

10-1-8



Scale = 1:23.2

q-3-8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL TCDL	40.0	Plate Grip DOL	1.00 1.00		80.0	Vert(LL)	n/a	-	n/a	999 999	MT20	244/190
BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	YES		0.02 0.03	Vert(TL) Horiz(TL)	n/a 0.00	- 10	n/a n/a	999 n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R	0.05		0.00	10	n/a	n/a	Weight: 44 lb	FT = 20%F, 12%E
LUMBER			LOAD CASE(S)	Standard								· · · ·
TOP CHORD	2x4 SP No.2(flat)		( )									
BOT CHORD	2x4 SP No.2(flat)											
WEBS OTHERS	2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BRACING	2x4 01 100.0(nat)											
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc										
REACTIONS		8, 11=10-1-8, 12=10-	,									
		3, 14=10-1-8, 15=10- 3, 17=10-1-8, 18=10-										
	Max Grav 10=25 (L0											
	12=153 (L	_C 1), 13=145 (LC 1)	),									
		_C 1), 15=147 (LC 1)										
	16=147 (L 18=53 (LC	_C 1), 17=147 (LC 1) C 1)	),									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-18=-49/0, 9-10=-1	8/0, 1-2=-7/0, 2-3=-7	7/0,									
	3-4=-7/0, 4-5=-7/0, 5	5-6=-7/0, 6-7=-7/0,										
BOT CHORD	7-8=-7/0, 8-9=-7/0 17-18=0/7, 16-17=0/	/7 15-16-0/7 14-15	-0/7									011.
BOT CHOILD		/7, 11-12=0/7, 10-11:									I'''H CA	ROUL
WEBS	2-17=-132/0, 3-16=-									N	R	in the second
	5-14=-134/0, 6-13=-	132/0, 7-12=-139/0,								32	O. FEOS	QU. Var
NOTES	8-11=-106/0								2	-	41 NO	91. E
	are 1.5x3 (  ) MT20 ur	less otherwise							-		· ·	1 N N E -
indicated.								Ξ		SEA	L <u>;                                   </u>	
	uires continuous botto							=		2867	7 ; =	
	e fully sheathed from o ainst lateral movement							-		SEA 2867	1 E	
	ds spaced at 1-4-0 oc.	(i.e. diagonal Web).							2.		ains	
5) Recomme	nd 2x6 strongbacks, o							1,0	O, NGIN	EFFICIEN		
	oc and fastened to eac							11				
	3") nails. Strongbacks ter ends or restrained								Chillinn	ALININ		
at their outer critics of restrained by other means.								Section 1	1.1.2			



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818 Soundside Road Edenton, NC 27932

	Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
	2503-4262-A	1FGE9	Floor Supported Gable	1	1	Job Reference (optional)	172869806
Structural, LLC, Thurmont, MD - 21788,			Run: 8.83 S Apr 11 2	025 Print: 8.8	830 S Apr 11	2025 MiTek Industries, Inc. Fri Apr 18 09:53:23	Page: 1

1-2-0

0-1-8

1.5x3 =

1

19

18

3x3 =

2

17

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:23 ID:YRnvN8NP9taFVv6nowsGWDzUiSa-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3 4 5 6 7 16 15 13 12 14

9-11-8

Scale = 1:22.9

-3-8

Scale = 1.22.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08		n/a	(100)	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(TL)	n/a	-	n/a	999	101120	244/100
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014		0.03		0.00	10	n/a	n/a	Woight: 14 lb	FT = 20%F, 12%E
BCDL	5.0	Code	IRC2021/1PI2014	Matrix-R							Weight: 44 lb	FT = 20%F, 12%E
LUMBER			LOAD CASE(S	Standard								
TOP CHORD	2x4 SP No.2(flat)		•									
BOT CHORD	( )											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING	( )											
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD			с									
	bracing.											
REACTIONS	(size) 10=9-11-8	8, 11=9-11-8, 12=9-	11-8,									
		8, 14=9-11-8, 15=9-	,									
	16=9-11-8, 17=9-11-8, 18=9-11-8											
	Max Grav 10=19 (L0											
		LC 1), 13=145 (LC 1										
		LC 1), 15=147 (LC 1										
		LC 1), 17=147 (LC 1	),									
	18=53 (L0	,										
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD		1/0 1 2 7/0 2 2 -	7/0									
TOP CHORD	3-4=-7/0, 4-5=-7/0, 5		770,									
	7-8=-7/0, 8-9=-7/0	5-0=-1/0, 0-1=-1/0,										
BOT CHORD		/7 15-16=0/7 14-15	5=0/7								, mm	1111.
Bor onone	13-14=0/7, 12-13=0										White CA	Palle
WEBS	2-17=-132/0, 3-16=-										athor	O
	5-14=-134/0, 6-13=-	, ,								5	0	Sect Alle
	8-11=-102/0	102/01/11/2 100/01								33		P. 7 -
NOTES										-	SEA 286	MK: =
1) All plates	are 1.5x3 (  ) MT20 ur	nless otherwise								1	054	. <u>1</u> - 2
indicated.								=		SEA	NL : E	
2) Gable req	uires continuous botto						- 8		286	77 : E		
	be fully sheathed from a								: 200	11 E E		
	ainst lateral movemen							5	N	1 5		
	ds spaced at 1-4-0 oc.							20	· En	RINS		
	end 2x6 strongbacks, c							17	O, GIN	EFICATS		
	oc and fastened to eac							11	MA	IN MIL		
	3") nails. Strongbacks		alls								11. L. G	AL
at their outer ends or restrained by other means.											111111	mm
<ul> <li>(0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.</li> <li>6) CAUTION, Do not erect truss backwards.</li> </ul>												

- (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

April 21,2025

3x3 🛛

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3x3 II

1-2-0

8 9

11

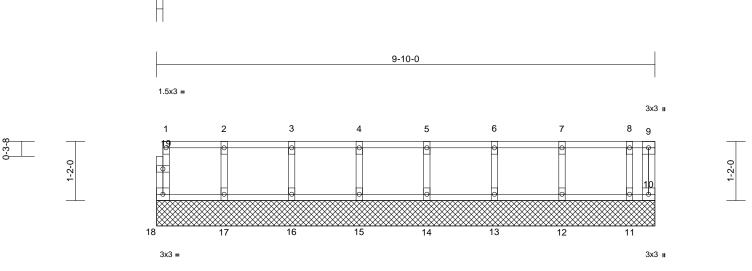
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



	Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
	2503-4262-A	1FGE3	Floor Supported Gable	1	1	Job Reference (optional)	172869807
Structural, LLC, Thurmont, MD - 21788,			Run: 8.83 S Apr 11 2	025 Print: 8.8	330 S Apr 11	2025 MiTek Industries, Inc. Fri Apr 18 09:53:22	Page: 1

0-1-8

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:22 ID:FOIH7q5nAjdoeHPS5h0RRyzew4T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:22.7

Scale = 1:22.7												
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-7-3 1.00 1.00 YES IRC2021/TPI2014	<b>CSI</b> TC BC WB Matrix-R	0.06 0.02 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 44 lb	<b>GRIP</b> 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.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=9-10-( 13=9-10-( 16=9-10-( Max Grav 10=8 (LC (LC 1), 13 1), 15=11	cept end verticals. • applied or 10-0-0 or 0, 11=9-10-0, 12=9 0, 14=9-10-0, 15=9 0, 17=9-10-0, 18=9 1), 11=80 (LC 1), 12 3=116 (LC 1), 14=11 7 (LC 1), 16=118 (L	c 10-0, 10-0, 2=122 8 (LC C 1),	Standard								
FORCES TOP CHORD BOT CHORD	17=117 (LC 1), 18=43 (LC 1) S (lb) - Maximum Compression/Maximum Tension IORD 1-18=-39/0, 9-10=0/0, 1-2=-6/0, 2-3=-6/0, 2-4-6/0, 4-5=-6/0, 6-7=-6/0								um.			
<ul> <li>WEBS</li> <li>NOTES</li> <li>1) All plates indicated.</li> <li>2) Gable req</li> <li>3) Truss to b braced ag</li> <li>4) Gable stuu</li> <li>5) Recommendation (0.131" X at their ou</li> <li>6) CAUTION</li> </ul>							Super States	SEA 2867	EER. St.			

April 21,2025



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818 Soundside Road Edenton, NC 27932

Job	Truss		Truss Type		Qty	Ply	Blake Pon	d Lot 00.0094	OWF	
2503-4262-A	2FGE	6	Floor Supported G	able	1	1		ence (optional		172869808
	urmont, MD - 21788,			Run: 8.83 S Apr 1			1 2025 MiTek I	ndustries, Inc. F	ri Apr 18 09:53:35	Page: 1
	+			7-11-12			so rondonoge	0-1-i	36WrCDoi7J4zJC?f	
	3)	кЗ ш						1.5>	3 =	
		2	3	4	5		6	7		
0, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,		0	0 0 0 12	0 0 11	10		9		8	0-3-8
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 NO	CSI TC BC WB	0.09 Vert 0.01 Vert 0.03 Hori	(LL) (TL)	in (loc) n/a - n/a - .00 8	l/defl L/d n/a 999 n/a 999 n/a n/a	MT20	<b>GRIP</b> 244/190
BOT CHORD 2 WEBS 2 OTHERS 2 BRACING TOP CHORD 5 BOT CHORD 6 E REACTIONS (si	S-0-0 oc purlins, exi Rigid ceiling directly pracing. (ze) 8=7-11-12 11=7-11-1 ax Grav 8=56 (LC (LC 1), 11	athing directly applie cept end verticals. applied or 10-0-0 or 2, 9=7-11-12, 10=7-1 12, 12=7-11-12, 12, 14=7-11-12 1), 9=141 (LC 1), 10 =146 (LC 1), 12=14 3 (LC 1), 14=63 (LC	C 11-12, D=148 8 (LC							
FORCES       (lb) - Maximum Compression/Maximum Tension         TOP CHORD       1-14=-57/0, 7-8=-50/0, 1-2=-10/0, 2-3=-10/0, 3-4=-10/0, 4-5=-10/0, 5-6=-10/0, 6-7=-10/0         BOT CHORD       13-14=0/10, 12-13=-0/10, 11-12=0/10, 10-11=0/10, 9-10=0/10, 8-9=0/10         WEBS       2-13=-130/0, 3-12=-134/0, 4-11=-133/0, 5-10=-135/0, 6-9=-129/0         NOTES         1)       All plates are 1.5x3 (  ) MT20 unless otherwise indicated.         2)       Gable requires continuous bottom chord bearing.         3)       Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).         4)       Gable studs spaced at 1-4-0 oc.         5)       Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.         6)       CAUTION, Do not erect truss backwards.         LOAD CASE(S)       Standard								and a second sec	SEA 2867	EER. GLIN

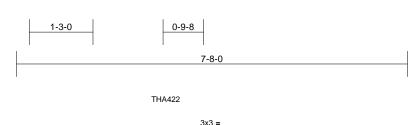
April 21,2025

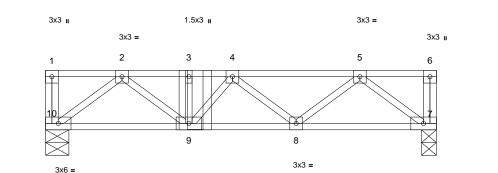
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ENGINEERING BY A Mitek Atfiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FG1	Floor Girder	1	1	Job Reference (optional)	172869809

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:34 ID:1SbKe?BBuc2SX2228CWCbtzUeyA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:22.6				3x6 =					3	x6 =		
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.23	Vert(LL)	-0.02	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.03	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 43 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)

WEBS	2x4 SP No.

BRA	CII	NG	
	~ .	. ~ -	

TOP CHORD	Structura	I wood sheathing directly applied or
	6-0-0 oc j	ourlins, except end verticals.
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	7=0-3-8, 10=0-5-8
	Max Grav	7=464 (I C 1) 10=568 (I C 1)

1-2-0

	1010000000000000000000000000000000000
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-10=-43/0, 6-7=-31/0, 1-2=0/0, 2-3=-1154/0,
	3-4=-1154/0, 4-5=-851/0, 5-6=0/0
	0 10-0/670 9 0-0/1110 7 9-0/550

- BOT CHORD 9-10=0/679, 8-9=0/1119, 7-8=0/559 WEBS 5-7=-701/0, 2-10=-852/0, 5-8=0/381, 2-9=0/606, 4-8=-349/0, 3-9=-401/0, 4-9=0/55
- NOTES
- 1) 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.
- 2) Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 2-11-4 from the left end to connect truss (es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber. 3)
- In the LOAD CASE(S) section, loads applied to the face 4) of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, 1) Plate Increase=1.00 Uniform Loads (lb/ft)
  - Vert: 7-10=-8, 1-6=-80 Concentrated Loads (lb)
  - Vert: 3=-379 (F)



1-2-0

April 21,2025

Page: 1

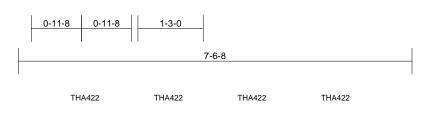


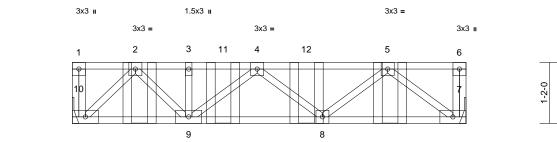
Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FG2	Floor Girder	1	1	Job Reference (optional)	172869810

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:34 ID:ETT47Ea7qtSNE4IJ5y8bkjzvB81-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





3x6 =

276 -

246 -

3x3 =

Scale = 1:22.1			3X	o =					3	xo =		
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.01	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.02	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 42 lb	FT = 20%F, 12%E
LUMBER TOP CHORD	2x4 SP No.2(flat)											

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

	,
WEBS	2x4 SP No.3(flat)

BRACING

TOP CHORD		I wood sheathing directly applied or
	6-0-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
BOT ONORD	bracing.	
REACTIONS	(size)	7= Mechanical, 10= Mechanical
	Max Grav	7=459 (LC 1), 10=463 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-10=-44/	/0, 6-7=-35/0, 1-2=0/0, 2-3=-676/0,

1-2-0

10 = 44/0, 0 = 7 = -33/0, 1 = 2 = 0/0, 2 = 3 = -070/0
4=-676/0, 4-5=-720/0, 5-6=0/0
10=0/426, 8-9=0/860, 7-8=0/545
7=-684/0, 5-8=0/227, 4-8=-183/0,
9=-235/0, 3-9=-85/0, 2-9=0/358,
10=-591/0

#### NOTES

- 1) Refer to girder(s) for truss to truss connections.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Use Simpson Strong-Tie THA422 (Single Chord Girder) 3) or equivalent spaced at 1-7-3 oc max. starting at 1-3-7 from the left end to 6-1-1 to connect truss(es) to back face of top chord.
- 4) Fill all nail holes where hanger is in contact with lumber.
- 5) In the LOAD CASE(S) section, loads applied to the face
- of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
  - Uniform Loads (lb/ft)
  - Vert: 7-10=-10, 1-6=-100

Concentrated Loads (lb)

Vert: 5=-30 (B), 2=-30 (B), 11=-30 (B), 12=-30 (B)



April 21,2025

Page: 1



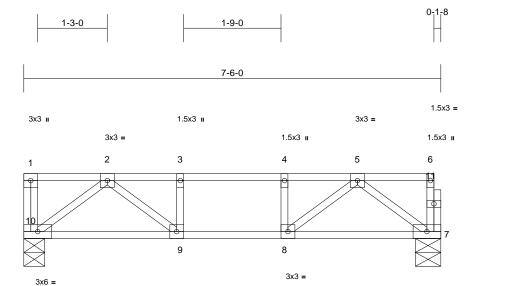
Edenton, NC 27932

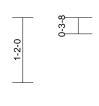
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1F8	Floor	5	1	Job Reference (optional)	172869811
Structural, LLC, Thurmont, MD - 2	21788,	Run: 8.83 S Apr 11	2025 Print: 8.	830 S Apr 11	2025 MiTek Industries, Inc. Fri Apr 18 09:53:18	Page: 1

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:18 ID:N51nABj5p09npLTPK1E95ezewPc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3×6 -







1-2-0

Scale = 1:20.7			383	-					3X0 =			
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	0.26	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.03	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 39 lb	FT = 20%F, 12%E

3×3 -

2x4 SP No.2(flat)
2x4 SP No.3(flat)
2x4 SP No.3(flat)
Structural wood sheathing directly applied or
6-0-0 oc purlins, except end verticals.
Rigid ceiling directly applied or 10-0-0 oc
bracing.
(size) 7=0-5-8, 10=0-4-8
May Cray 7 202 (LC 4) 40 200 (LC 4)
Max Grav 7=393 (LC 1), 10=399 (LC 1)
(lb) - Maximum Compression/Maximum
(lb) - Maximum Compression/Maximum
(lb) - Maximum Compression/Maximum Tension
(lb) - Maximum Compression/Maximum Tension 1-10=-58/0, 6-7=-55/0, 1-2=0/0, 2-3=-672/0,
(lb) - Maximum Compression/Maximum Tension 1-10=-58/0, 6-7=-55/0, 1-2=0/0, 2-3=-672/0, 3-4=-672/0, 4-5=-672/0, 5-6=-3/0

#### NOTES

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

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

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



April 21,2025

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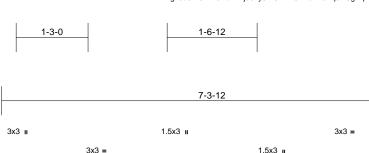


Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F15	Floor	2	1	Job Reference (optional)	172869812

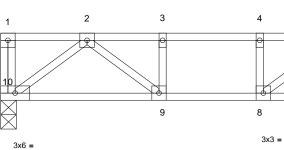
Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:29 ID:Vg1su3wf9kK2JRaELxjd8ny8MUL-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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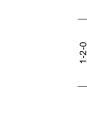
φ







3x3 =



3x3 u

6

3x6 =

Page: 1

Scale = 1:20											-	
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	0.22	Vert(LL)	-0.02	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.24	Vert(CT)	-0.03	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-S							Weight: 39 lb	FT = 20%F, 12%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)			•		·						

BRACING

DRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	6-0-0 oc	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	7= Mechanical, 10=0-3-4
	Max Grav	7=388 (LC 1), 10=388 (LC 1)

ORCES	(lb) - Maximum	Comp	ression/Ma	aximu	m

	Tension
TOP CHORD	1-10=-57/0, 6-7=-57/0, 1-2=0/0, 2-3=-641/0,
	3-4=-641/0, 4-5=-641/0, 5-6=0/0
BOT CHORD	9-10=0/421, 8-9=0/641, 7-8=0/421
WEBS	5-7=-529/0, 2-10=-529/0, 5-8=0/321,
	2-9=0/321, 3-9=-155/0, 4-8=-155/0

#### NOTES

F

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

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

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

LOAD CASE(S) Standard



April 21,2025

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Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	1FGE5	Floor Supported Gable	1	1	Job Reference (optional)	172869813
Structural, LLC, Thurmont, MD	- 21788,				2025 MiTek Industries, Inc. Fri Apr 18 09:53:22 sB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f	Page: 1
					0-1-8	
	 3x:	5-11-12			1.5x3 =	
	1	2 3 4	:	5	6	
				3		

3x3 m

Scale = 1:20.9												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	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	7	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 28 lb	FT = 20%F, 12%E

3x3 =

L	U	Μ	в	Е	R

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	I wood sheathing directly applied or
	5-11-12 c	oc purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	7=5-11-12, 8=5-11-12, 9=5-11-12,
		10=5-11-12, 11=5-11-12,
		12=5-11-12
	Max Grav	7=53 (LC 1), 8=147 (LC 1), 9=145
		(LC 1), 10=153 (LC 1), 11=104 (LC
		1), 12=21 (LC 1)
FORCES	(lb) - Max	timum Compression/Maximum
	Tension	
TOP CHORD		/0, 6-7=-49/0, 1-2=-7/0, 2-3=-7/0,
	,	4-5=-7/0, 5-6=-7/0
BOT CHORD		7, 10-11=0/7, 9-10=0/7, 8-9=0/7,
	7-8=0/7	

# WEBS

## NOTES

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

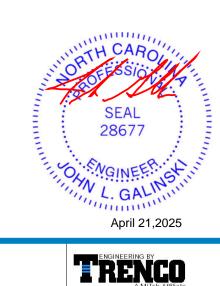
2-11=-102/0

- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

5-8=-132/0, 4-9=-133/0, 3-10=-138/0,

- 4) Gable studs spaced at 1-4-0 oc. Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 5) (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FG3	Floor Girder	1	1	Job Reference (optional)	172869814

# | <u>1-3-0</u> | <u>1-0-8</u> | <u>4-2-0</u>

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:34

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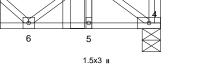
THA422

1

3x3 II

 $3x6 = 3x3 ext{ if } 3x6 = 1 ext{ if } 2 ext{ if } 3x6 = 1 ext{ if } 1 ext{ if } 2 ext{ if } 3 ext{ if } 1 ext{ i$ 

THA422



3x6 =

Scale = 1:25.1

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	0.41	Vert(LL)	-0.01	5	>999	480	MT20	244/190
FCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.01	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%F, 12%E

3x3 =

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

WEBS	2x4 SP No.3(flat)
WEBS	2x4 SP No.3(flat)

### BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals.						
BOT CHORD	Rigid ceili bracing.	Rigid ceiling directly applied or 10-0-0 oc bracing.					
REACTIONS	(size) Max Grav	4=0-4-13, 7= Mechanical 4=579 (LC 1), 7=1038 (LC 1)					

FORCES	(Ib) - Maximum Compression/Maximum Tension

TOP CHORD	1-7=-1033/0, 3-4=-35/0, 1-2=-357/0, 2-3=0/0
BOT CHORD	6-7=0/0, 5-6=0/735, 4-5=0/735

WEBS	2-4=-908/0, 2-5=0/5, 2-6=-483/0, 1-6=0/478
NOTES	

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.
  Use Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent spaced at 2-0-0 oc max. starting at 0-4-4 from the left end to 2-4-4 to connect truss(es) to front
- face of top chord. 4) Fill all nail holes where hanger is in contact with lumber
- 4) Fill all nail holes where hanger is in contact with lumber.
  5) In the LOAD CASE(S) section, loads applied to the face
- of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)
  - Vert: 4-7=-10, 1-3=-100
  - Concentrated Loads (lb)

Vert: 2=-574 (F), 1=-612 (F)



April 21,2025

Page: 1

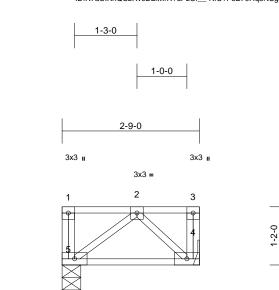
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2F7	Floor	4	1	Job Reference (optional)	172869815

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:26 ID:R7aUIKnQCzRvcDBIMrR?uPzUf\_\_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3x6 =

1-2-0

#### Scale - 1.23 1

Scale = 1.23.1												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-P							Weight: 18 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)											
BRACING												

3x6 =

TOP CHORD	Structural wood sheathing directly applied or 2-9-0 oc purlins, except end verticals.					
BOT CHORD	Rigid ceili bracing.	ing directly applied or 10-0-0 oc				
REACTIONS	(size)	4= Mechanical, 5=0-4-8				
	Max Grav	4=110 (LC 1), 5=110 (LC 1)				
FORCES	(lb) - Max Tension	imum Compression/Maximum				
TOP CHORD	1-5=-44/0	), 3-4=-31/0, 1-2=0/0, 2-3=0/0				
BOT CHORD	4-5=0/74					

#### WEBS 2-5=-93/0, 2-4=-101/0

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



April 21,2025

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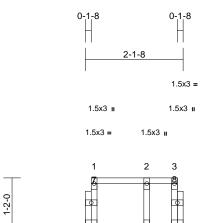


Job	Truss	Truss Type	Qty	Ply	Blake Pond Lot 00.0094 OWF	
2503-4262-A	2FGE7	Floor Supported Gable	1	1	Job Reference (optional)	172869816

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:35 ID:c570aceRrBE\_mCH54oFVWyzQSa\_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





1.5x3 🛛

5

3x3 =

Scale = 1:25.1	Scale = 1:25.1											
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	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 12 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)											

3x3 =

BRACING		
TOP CHORD		I wood sheathing directly applied or
		ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=2-1-8, 5=2-1-8, 6=2-1-8
	Max Grav	4=19 (LC 1), 5=70 (LC 1), 6=40
		(LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	·
TOP CHORD	1-6=-37/0	3-4=-14/0 1-2=-6/0 2-3=-6/0

0-3-8

TOF CHORD	1-0=-37/0, 3-4=-14/0, 1-2=-0/0, 2-3=-0/0
BOT CHORD	5-6=0/6, 4-5=0/6
WEBS	2-5=-66/0

NOTES

1) Gable requires continuous bottom chord bearing.

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

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

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

LOAD CASE(S) Standard



April 21,2025

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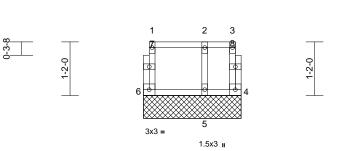


Job	Truss	Truss Type	Qty	ty Ply Blake Pond Lot 00.0094 OW		
2503-4262-A	1FGE10	Floor Supported Gable	1	1	Job Reference (optional)	172869817

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Fri Apr 18 09:53:23 ID:oLWAqAp9pbzbPtHPCVbxrpzQSgD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

0-1-8 0-1-8 F 2-1-8 1.5x3 = 1.5x3 u 1.5x3 II

1.5x3 u



1.5x3 =

3x3 =

Scale = 1:25.1												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-R							Weight: 12 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)											

DRACING		
TOP CHORD	Structura	wood sheathing directly applied or
	2-1-8 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=2-1-8, 5=2-1-8, 6=2-1-8
	Max Grav	4=29 (LC 1), 5=105 (LC 1), 6=60
		(LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	·
	1013011	
TOP CHORD		, 3-4=-22/0, 1-2=-9/0, 2-3=-9/0

TOP CHORD	1-0=-55/0, 5-4=-22/0, 1-2=-9/0, 2-5=-9/0
BOT CHORD	5-6=0/9, 4-5=0/9
WEBS	2-5=-100/0

## NOTES

1) Gable requires continuous bottom chord bearing.

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

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

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

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818 Soundside Road Edenton, NC 27932

