

# RE: 4600395

LONGLEAF FLOOR - LOT 9 - ILA'S WAY

Site Information:

Customer: Project Name: 4600395 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: Roof Load: 40.0 psf Design Program: MiTek 20/20 8.6 Wind Speed: 120 mph Floor Load: N/A psf

This package includes 16 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	168705804	F01	10/4/2024
2	168705805	F02	10/4/2024
3	168705806	F03	10/4/2024
4	168705807	F04	10/4/2024
5	168705808	F05	10/4/2024
6	168705809	F06	10/4/2024
7	168705810	F07	10/4/2024
8	168705811	F08	10/4/2024
9	168705812	F09	10/4/2024
10	168705813	F09A	10/4/2024
11	168705814	F10	10/4/2024
12	168705815	F11	10/4/2024
13	168705816	F12	10/4/2024
14	168705817	F12A	10/4/2024
15	168705818	F13	10/4/2024
16	168705819	F14	10/4/2024

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Builders FirstSource (Albermarle,NC).

Truss Design Engineer's Name: Gilbert, Eric

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

North Carolina COA: C-0844

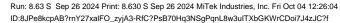
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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



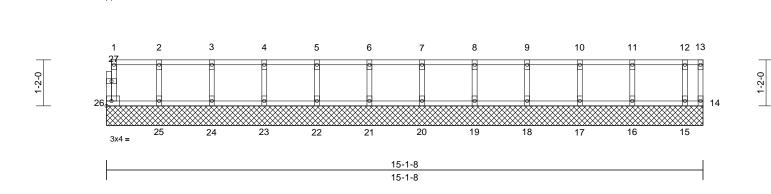
Trenco 818 Soundside Rd Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F01	Floor Supported Gable	1	1	Job Reference (optional)	168705804

0-1-8 Н



Page: 1



#### Scale = 1:29.2

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	(100)	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	_	n/a	999	11120	244/100
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R	0.03	TION2(TL)	0.00	14	II/a	11/a	Weight: 64 lb	FT = 20%F, 11%E
BCDL	5.0	Code	1KG2015/1F12014	Widurix-IN							Weight. 04 lb	FT = 2070F, TT70E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 14=15-1-8	applied or 10-0-0 oc 3, 15=15-1-8, 16=15-	5) All bearings capacity of 9 6) Recomment 10-00-00 oc (0.131" X 3" at their oute 7) CAUTION, 1 LOAD CASE(S) 1-8,	d 2x6 strongbacks and fastened to e ) nails. Strongbac r ends or restraine Do not erect truss	e SP No. , on edge each truss cks to be ed by othe	e, spaced at s with 3-10d attached to w er means.	alls					
	20=15-1-4 23=15-1-4 26=15-1-4 26=15-1-4 16=153 (L 16=153 (L 20=147 (L 20=147 (L 22=147 (L 24=146 (L 26=51 (LC	1), 15=105 (LC 1), LC 1), 17=145 (LC 1), LC 1), 19=147 (LC 1) LC 1), 21=147 (LC 1), LC 1), 23=147 (LC 1), LC 1), 25=149 (LC 1), C 1),	1-8, 1-8, ,									
FORCES	(lb) - Maximum Corr Tension	pression/Maximum										11.5
TOP CHORD	1-26=-48/0, 13-14=0 3-4=-5/0, 4-5=-5/0, 5	9-10=-5/0, 10-11=-5/0	,							A. A.	ORTEE8S	ROUL
BOT CHORD	21-22=0/5, 20-21=0	/5, 23-24=0/5, 22-23= /5, 19-20=0/5, 18-19= /5, 15-16=0/5, 14-15=	=0/5,						N		SEA	and the second s
WEBS	2-25=-133/0, 3-24=- 5-22=-133/0, 6-21=-	134/0, 4-23=-133/0, 133/0, 7-20=-133/0, 134/0, 10-17=-132/0,							Contraction of the second s		0363	• •
<ol> <li>2) Gable required</li> <li>3) Truss to be</li> </ol>	are 1.5x3 MT20 unless uires continuous botto e fully sheathed from o ainst lateral movemen	m chord bearing. one face or securely								THE STATE	in the second se	EEF. ATTIN

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

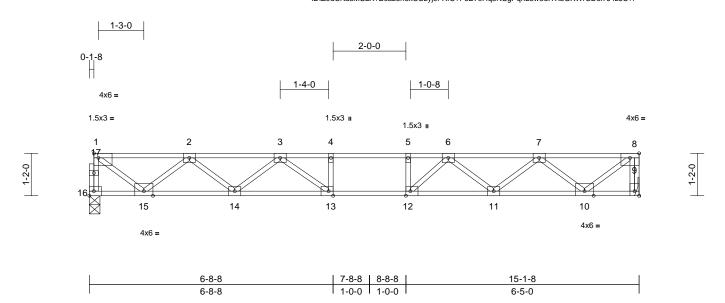
818 Soundside Road Edenton, NC 27932

October 4,2024

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 Schut Information, purplication component of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F02	Floor	4	1	Job Reference (optional)	168705805

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05 ID:Z9dCKasMSLX?Bcaz6n6xCCzyj9I-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:31.7

Plate Offsets (X, Y)	: [1:Edge,0-1-8	], [9:Edge,0-1-8]	, [12:0-1-8,Edge], [	13:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2015/TPI2014	CSI TC BC WB Matrix-S	0.63 0.91 0.56	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.24 0.05	(loc) 13-14 13-14 9	l/defl >997 >734 n/a	L/d 480 240 n/a	PLATES MT20 Weight: 76 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	<ul> <li>2x4 SP No.2(flat)</li> <li>2x4 SP No.3(flat)</li> <li>2x4 SP No.3(flat)</li> </ul>											
TOP CHORD BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly	cept end verticals.										
REACTIONS	bracing. (size) 9= Mecha Max Grav 9=818 (L0	anical, 16=0-3-8 C 1), 16=812 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		877/0, 4-5=-2877/0,										
BOT CHORD	) 15-16=0/48, 14-15= 12-13=0/2877, 11-12	0/1755, 13-14=0/265	,									
WEBS	9-10=0/0 4-13=-245/0, 5-12=- 2-15=-1069/0, 2-14= 3-13=-17/549, 8-10= 7-11=0/598, 6-11=-5	=0/607, 3-14=-559/0 =0/1172, 7-10=-1071									WITH CA	RO
NOTES	· · · · · · · · ·									N	OREFS	Jos Million
<ol> <li>Unbalanc this desig</li> </ol>	ced floor live loads have gn.	e been considered fo	r						4	is	P	No.30
3) Bearings	are 3x4 MT20 unless of are assumed to be: Joi of 565 psi.		ing								SEA	• -
5) Recomme 10-00-00 (0.131" X	girder(s) for truss to trus end 2x6 strongbacks, o oc and fastened to eac (3") nails. Strongbacks uter ends or restrained	n edge, spaced at h truss with 3-10d to be attached to w	alls						6 11111111		0363	EER A
6) CAUTION	N, Do not erect truss ba ( <b>(S)</b> Standard										A. C.	er 4,2024

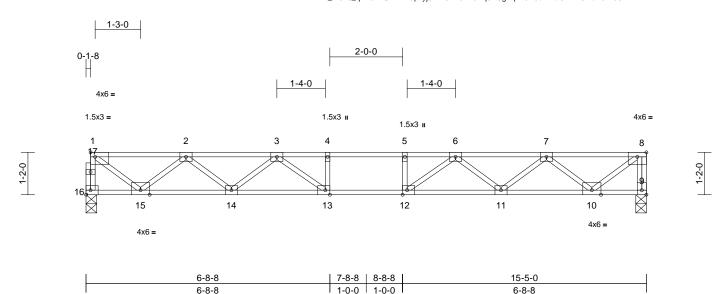
inst.org) B18 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F03	Floor	5	1	Job Reference (optional)	168705806

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05 ID:T\_m6h8\_qTw9FlQtInhFhCpzyj5i-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:31.7

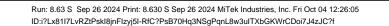
# Plate Offsets (X, Y): [1:Edge,0-1-8], [9:Edge,0-1-8], [12:0-1-8,Edge], [13:0-1-8,Edge]

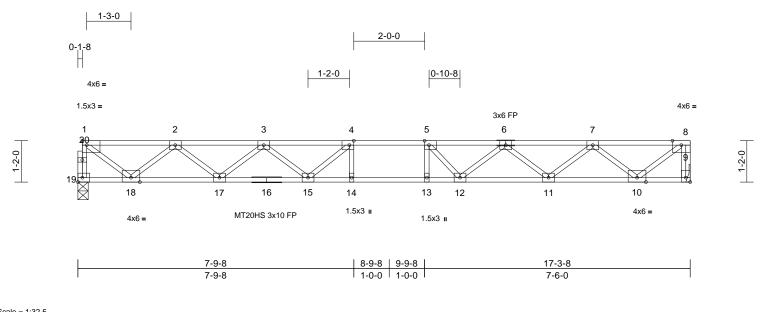
		1				· · · · ·					-	
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)		11-12		480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.91	Vert(CT)		11-12	>729	240	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S		- (- ,					Weight: 77 lb	FT = 20%F, 11%E
-											0	,
LUMBER												
TOP CHORD	( )											
BOT CHORD	( )											
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		applied or 10-0-0 or	C									
	bracing.											
REACTIONS	( )											
	Max Grav 9=834 (L0											
FORCES	(lb) - Maximum Com	npression/Maximum										
	Tension											
TOP CHORD	,	, , ,										
	2-3=-2278/0, 3-4=-2											
BOT CHORD	5-6=-2993/0, 6-7=-2 15-16=0/49, 14-15=		20									
BOTCHORD	12-13=0/2993, 11-1											
	9-10=0/0	2=0/2729, 10-11=0/	1191,									
WEBS	4-13=-262/0, 5-12=-	262/0 1-15=0/1157										
	2-15=-1093/0, 2-14=											
	3-13=0/593, 8-10=0	, ,	,									
	7-11=0/627, 6-11=-5	585/0, 6-12=0/593								3	TH CA	Rollin
NOTES										N	R	in state
	ed floor live loads have	e been considered fo	or						/	5.	U. FESS	DR. Yal
this design									4	Ø		and I
2) All plates	are 3x4 MT20 unless of	otherwise indicated.							-		· Q ·	S
3) All bearing	gs are assumed to be	SP No.2 crushing							-		SEA	1 : =
capacity o									=	:		• -
	end 2x6 strongbacks, c								=		0363	22 : =
	oc and fastened to eac								-	- 8	•	1 - E -
	3") nails. Strongbacks		alis							1	·	- 1 - S
	ter ends or restrained										A SNGIN	EEM. AN
,	l, Do not erect truss ba	ickwards.								1	PL	5. 64 1
LOAD CASE(	S) Standard									1	A CA	BEIN
											1111.0	
											C A. C	or 4 2024

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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F04	Floor	6	1	Job Reference (optional)	168705807





Scale =	1:32.5
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# Plate Offsets (X, Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [9:Edge,0-1-8]

	, i). [i.Euge,o i o],	T	, i 0,Eugo],	[0.2490,0 1 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	0.65	Vert(LL)	-0.27	13-14	>750	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.99	Vert(CT)	-0.38	13-14	>545	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES		WB	0.65	Horz(CT)	0.06	9	n/a	n/a		
BCDL	5.0	Code	IRC2015	/TPI2014	Matrix-S							Weight: 86 lb	FT = 20%F, 11%E
LUMBER			6)	Recommend	2x6 strongback	s. on edae	. spaced at						
TOP CHORD	2x4 SP No.2(flat)		- /		and fastened to								
BOT CHORD	2x4 SP No.2(flat) *E	xcept* 16-9:2x4 SP	No.1	(0.131" X 3")	nails. Strongba	cks to be	attached to v	valls					
	(flat)			at their outer	ends or restrain	ed by othe	er means.						
WEBS	2x4 SP No.3(flat)		7)	CAUTION, D	o not erect truss	backward	ls.						
OTHERS	2x4 SP No.3(flat)		LO	AD CASE(S)	Standard								
BRACING													
TOP CHORD	Structural wood she	athing directly appli	ed or										
	5-8-7 oc purlins, ex	cept end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с										
	bracing, Except:												
	2-2-0 oc bracing: 14	-15,13-14.											
REACTIONS	( )	anical, 19=0-3-8											
	Max Grav 9=937 (L0	,, , , ,											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-19=-926/0, 8-9=-9	, ,											
	2-3=-2667/0, 3-4=-3												
BOT CHORD	5-7=-3558/0, 7-8=-1 18-19=0/55, 17-18=0		E E										
	14-15=0/3796, 13-14												
	11-12=0/3243, 10-1	,	,										
WEBS	4-14=-177/176, 5-13											ORTH CA	11111
	2-18=-1249/0. 2-17=	,	,								, 24	WAH CA	Rollin
	3-15=0/481, 4-15=-5		,								15	R	SULL.
	7-10=-1257/0, 7-11=	,	,							/	5.	On the	this N's

#### NOTES

 Unbalanced floor live loads have been considered for this design.

6-12=0/521, 5-12=-612/35

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x4 MT20 unless otherwise indicated.
- 4) Bearings are assumed to be: Joint 19 SP No.2 crushing

capacity of 565 psi.

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



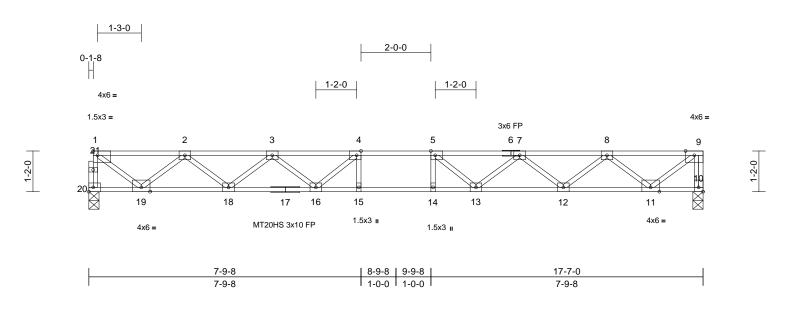
Page: 1

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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F05	Floor	2	1	Job Reference (optional)	168705808

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05 ID:0tJRl2orhVblljVdCFyOPyzyj4f-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:33

# Plate Offsets (X, Y): [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [10:Edge,0-1-8]

			, [,	: 0;2090]; [:0:2090;0 :	-,								-
Load	dina	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLI		40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.29	14-15	>726	480	MT20	244/190
TCD		10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.40		>526	240	MT20HS	187/143
BCL	L	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.07	10	n/a	n/a		
BCD	L	5.0	Code	IRC2015/TPI2014	Matrix-S	_	. ,					Weight: 87 lb	FT = 20%F, 11%E
LUM	DED		-	6) CAUTION I	Do not erect truss	backwar	he						
	CHORD	2x4 SP No.2(flat)		LOAD CASE(S)		Dackwart							
	CHORD	2x4 SP No.2(flat) *E	xcept* 17-10-2x4 SP		Standard								
20.	0.10112	No.1(flat)											
WEE	S	2x4 SP No.3(flat)											
OTH	ERS	2x4 SP No.3(flat)											
BRA	CING												
TOP	CHORD		athing directly applie	ed or									
		5-7-10 oc purlins, e											
BOT	CHORD	Rigid ceiling directly	applied or 2-2-0 oc										
	0 <b></b>	bracing.	~ ~ ~ ~										
REA	CTIONS	( )	, 20=0-3-8										
		Max Grav 10=953 (I		)									
FOR	CES	(lb) - Maximum Con Tension	npression/Maximum										
TOP	CHORD	1-20=-942/0, 9-10=-	9/6/0 1-2-1110/0										
101	CHOILD	,	644/0, 4-5=-3931/0,										
		5-7=-3644/0, 7-8=-2											
BOT	CHORD	19-20=0/56, 18-19=	0/2090, 16-18=0/333	31,									
		15-16=0/3931, 14-1	5=0/3931, 13-14=0/3	8931,									
		,	2=0/2092, 10-11=0/0										
WEE	S	,	4=-168/200, 1-19=0/1	1345,									U
			=0/829, 3-18=-787/0,									White CA	Dall
			629/13, 9-11=0/1390 =0/827, 7-12=-786/0,								1	athor	10/11/
		7-13=0/506, 5-13=-6									<u>.</u>	O ESS	ani.
NOT	FS									6			Mal
		ed floor live loads have	e been considered fo	r								:2	K: 2
'	his desigr											CEA	n 188
2) A	All plates a	are MT20 plates unles	s otherwise indicated	d.							:	SEA	
3) A	All plates a	are 3x4 MT20 unless of	otherwise indicated.								:	0363	22 : =
		are assumed to be: Jo								-			1 5
		f 565 psi, Joint 10 SP	No.1 crushing capac	ty							-	A	- 1 - E -
	of 565 psi.											N.SNOW	EFRICAS
		end 2x6 strongbacks, on oc and fastened to each									1	P/ GIN	E. CAN
		3") nails. Strongbacks		alls							1	A G	ILBUIN
		ter ends or restrained										A. C	unin's
			., shormound.									Ottob	

October 4,2024

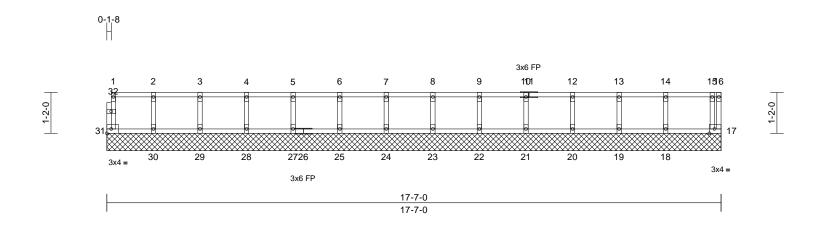
Page: 1

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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F06	Floor Supported Gable	1	1	Job Reference (optional)	168705809

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05 ID:Q?2QWiF3ztGVEPqktW73Plzyj44-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:33

# Plate Offsets (X, Y): [17:0-1-12,Edge]

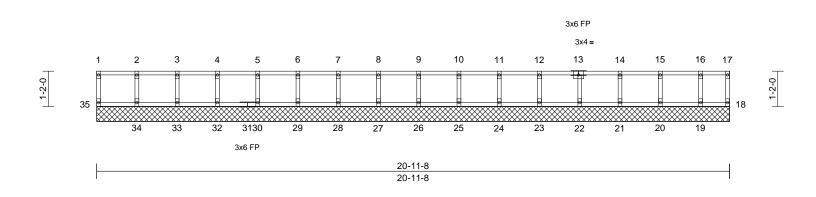
<u> </u>												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 74 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, e Rigid ceiling directl bracing. (size) 17=17-7 20=17-7 23=17-7 23=17-7 30=17-7 Max Grav 17=85 (I	eathing directly applie xcept end verticals. y applied or 10-0 oc 0, 18=17-7-0, 19=17- 0, 21=17-7-0, 22=17- 0, 24=17-7-0, 22=17- 0, 31=17-7-0, 29=17- 0, 31=17-7-0 .C 1), 18=157 (LC 1),	<ol> <li>2) Gable requi</li> <li>3) Truss to be braced aga</li> <li>4) Gable studs</li> <li>5) All bearings</li> <li>6) Recommen 10-00-00 oc (0.131" X 3 7-0, 7) CAUTION,</li> <li>7-0, 7) CAUTION,</li> <li>10 CADE CASE(S</li> </ol>	d 2x6 strongbacks, and fastened to ea ) nails. Strongback r ends or restrained Do not erect truss b	om chor one fac nt (i.e. c SP No. SP No. on edge ach truss is to be I by othe	d bearing. e or securely liagonal web) 2 crushing e, spaced at s with 3-10d attached to w er means.						
FORCES	21=146 23=147 25=147 28=146 30=139 (lb) - Maximum Con	(LC 1), 20=147 (LC 1) (LC 1), 22=147 (LC 1) (LC 1), 24=147 (LC 1) (LC 1), 27=147 (LC 1) (LC 1), 29=149 (LC 1) (LC 1), 31=60 (LC 1) npression/Maximum	, , ,								WITH CA	111111 111111
TOP CHORD	6-7=-13/0, 7-8=-13	/0, 4-5=-13/0, 5-6=-13 /0, 8-9=-13/0, 9-10=-1 =-13/0, 13-14=-13/0,	,						9	E	O. FESO	
BOT CHORD	30-31=0/13, 29-30: 27-28=0/13, 25-27: 23-24=0/13, 22-23: 20-21=0/13, 19-20: 17-18=0/13	=0/13, 24-25=0/13, =0/13, 21-22=0/13,							(1111111)		SEA 0363	
WEBS	5-27=-133/0, 6-25= 8-23=-133/0, 9-22=	-135/0, 4-28=-133/0, -133/0, 7-24=-133/0, -133/0, 10-21=-133/0 9=-131/0, 14-18=-142								THE STATE	10000	er 4,2024

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TRENGINEERING BY A MiTek Affiliate 818 Soundside Road Edenton, NC 27932

J	lob	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4	4600395	F07	Floor Supported Gable	1	1	I68705810 Job Reference (optional)	)

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05 ID:L0d3AqmX\_nT\_BMji3Csrrczyj0q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:38.2

Scale = 1:38.2					_							
Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2015/TPI2014	CSI TC BC WB Matrix-R	0.08 0.01 0.03	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 18	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 85 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 18=20-11 20=20-11 22=20-11 24=20-11 30=20-11 30=20-11 33=20-11 33=20-11 35=20-11 Max Grav 18=38 (LC 20=149 (L 22=147 (L 24=148 (L 26=147 (L 28=147 (L 30=147 (L)	athing directly applie cept end verticals. applied or 10-0-0 oc -8, 19=20-11-8, -8, 21=20-11-8, -8, 22=20-11-8, -8, 22=20-11-8, -8, 32=20-11-8, -8, 32=20-11-8, -10, 32=20, -11, 21=149 (LC 1), -10, 22=147 (LC 1), -10, 32=147 (LC 1), -10, 32=147 (LC 1), -10, 34=151 (LC 1)	WEBS NOTES d or 1) All plate 2) Gable rd 3) Truss to braced 3 4) Gable s 5) All bear capacity 6) Recomm 10-00-0 (0.131" at their of LOAD CAS	2-34=-138/0, 3-3 5-30=-133/0, 6-2 8-27=-133/0, 9-2 11-24=-134/0, 12 14-21=-136/0, 15 s are 1.5x3 MT20 un equires continuous bro be fully sheathed fro against lateral moven tuds spaced at 1-4-0 ngs are assumed to 1 of 565 psi. nend 2x6 strongback 0 oc and fastened to X 3") nails. Strongback 0 outer ends or restrain <b>E(S)</b> Standard	9=-133/0, 6=-133/0, 6=-133/0, 2-23=-130 5-20=-136 less other bittom choir m one factor nent (i.e. c oc. be SP No. s, on edge each truss icks to be	7-28=-133/0, 10-25=-133/0, 10-25=-133/0, 10-13-22=-13 (0, 16-19=-12) wise indicated d bearing. the or securely liagonal web). 2 crushing the spaced at the with 3-10d attached to w	), 4/0, 0/0 1.				VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
FORCES TOP CHORD BOT CHORD	3-4=-8/0, 4-5=-8/0, 5 7-8=-8/0, 8-9=-8/0, 5 11-12=-8/0, 12-14=- 15-16=-3/0, 16-17=- 34-35=0/8, 33-34=0, 29-30=0/8, 28-29=0, 25-26=0/8, 24-25=0/	34/0, 1-2=-8/0, 2-3=- 5-6=-8/0, 6-7=-8/0, 9-10=-8/0, 10-11=-8/0 8/0, 14-15=-3/0,	=0/8, =0/8, =0/8,						Je			EER ALU

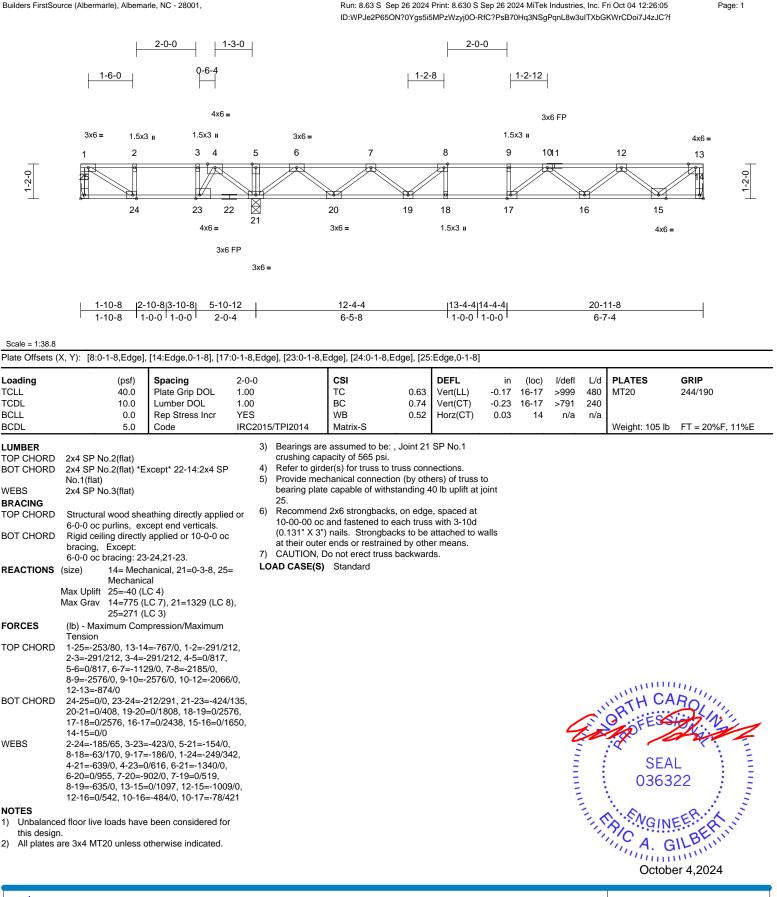
October 4,2024

Page: 1

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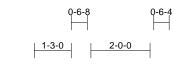
Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F08	Floor	4	1	Job Reference (optional)	168705811



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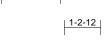
818 Soundside Road Edenton, NC 27932

Jo	b	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
46	600395	F09	Floor	3	1	Job Reference (optional)	168705812
Bui	Iders FirstSource (Albermarle)	Run: 8.63 S Sep 26	2024 Print: 8.	.630 S Sep 2	6 2024 MiTek Industries, Inc. Fri Oct 04 12:26:05	Page: 1	

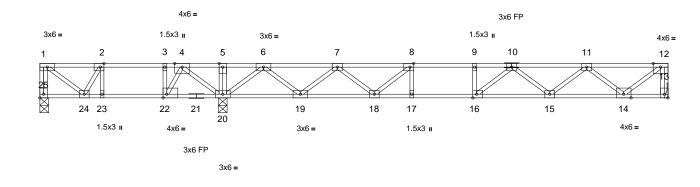


2-0-0

1-2-8



ID:Pjc01OZwR3nd6WmOw31KWXzyj?o-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:39

1-2-0

												-	
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		TC	0.61	Vert(LL)	-0.17		>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.74	Vert(CT)	-0.23	15-16	>792	240		
BCLL	0.0	Rep Stress Incr	YES		WB	0.52	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code	IRC20 <sup>2</sup>	15/TPI2014	Matrix-S							Weight: 108 lb	FT = 20%F, 11%E
LUMBER			3	) Bearings are	assumed to be: J	oint 25 S	SP No.2 crust	hina					
TOP CHORD	2x4 SP No.2(flat)		0		65 psi, Joint 20 SF								
BOT CHORD	( )	xcept* 21-13:2x4 SP		of 565 psi.			3.11						
201 0110112	No.1(flat)		4	) Refer to gird	er(s) for truss to tru	uss conr	nections.						
WEBS	2x4 SP No.3(flat)		5	) Provide mec	hanical connection	n (by oth	ers) of truss t	to					
BRACING	· · · ·				capable of withst	anding 4	1 lb uplift at j	joint					
TOP CHORD	Structural wood she	athing directly applie	d or	25.									
	6-0-0 oc purlins, ex		6		2x6 strongbacks,								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc			and fastened to ea								
	bracing, Except:				nails. Strongback			valls					
	6-0-0 oc bracing: 23	3-24,22-23,20-22.	7		ends or restrained to not erect truss b								
REACTIONS		nanical, 20=0-3-8,		, ,		ackward	15.						
	25=0-3-8		L	OAD CASE(S)	Standard								
	Max Uplift 25=-41 (L												
	Max Grav 13=773 (I 25=295 (I		),										
FORCES	(Ib) - Maximum Corr	,											
TORCES	Tension	ipression/waximum											
TOP CHORD		3=-765/0, 1-2=-268/1 <sup>-</sup>	10,										
	2-3=-348/256, 3-4=-	-348/256, 4-5=0/866,	,										
	5-6=0/866, 6-7=-110	07/0, 7-8=-2167/0,											
	,	-2562/0, 11-12=-872/0											
BOT CHORD	, -	256/348, 22-23=-256/	348,									1111 CA	1111 A
	20-22=-471/184, 19											TH UA	ROM
		8=0/2562, 16-17=0/2	562,								1	A SECC	ich i
WEBS	,	5=0/1645, 13-14=0/0 -412/0, 5-20=-154/0,									20	100	Nisin
WEDS	,	=-184/0, 1-24=-137/3	37								~	:07	M. M.
	,	0=-671/0, 4-22=0/634	,								( )	. ~	
	,	=0/961, 7-19=-906/0,	,							-		SEA	L 1 E
	,	631/0, 12-14=0/1094,								=		0202	· · · · ·
		15=0/540, 10-15=-480	)/0,									0363	ZZ : :
	10-16=-74/417										2		1 2
NOTES											5	·	airs
	ed floor live loads have	e been considered for									15	A NGINI	EFILAN
this design											11	710	allin
2) All plates	are 3x4 MT20 unless of	otherwise indicated.										Octobe	ILDIN
												1111111	IIII.
												Oatob	or 4 2024

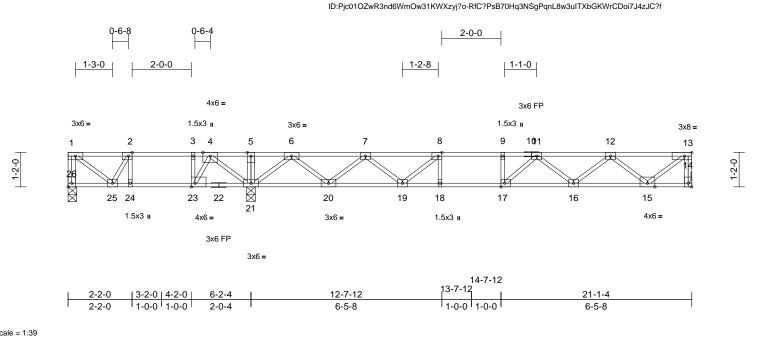


1-2-0

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F09A	Floor	2	1	Job Reference (optional)	168705813
Builders FirstSource (Albermarle	Run: 8.63 S Sep 26	2024 Print: 8.	630 S Sep 2	6 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06	Page: 1	



Scale = 1	:39
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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	0.63	Vert(LL)	-0.17	. ,	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.22	16-17	>789	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 107 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	eathing directly applied cept end verticals. r applied or 2-2-0 oc nanical, 21=0-3-8, .C 4)	<ol> <li>Bearings at capacity of of 565 psi.</li> <li>Refer to gir</li> <li>Provide me bearing pla 26.</li> <li>Recommer 10-00-00 o (0.131" X 3 at their out</li> <li>CAUTION, LOAD CAUTION, LOAD CAUTION</li> </ol>	re assumed to be: 565 psi, Joint 21 S der(s) for truss to t chanical connection te capable of withs and fastened to de ") nails. Strongbacks or ends or restraine Do not erect truss	SP No.2 c struss conr on (by oth standing <sup>2</sup> s, on edge each truss cks to be ed by othe	rushing capac nections. ers) of truss to 15 lb uplift at jo 9, spaced at 5 with 3-10d attached to w er means.	o oint				weight. 107 h	11 - 20701, 1170L
	26=294 (I		),									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-3=-344/267, 3-4=- 5-6=0/887, 6-7=-106	4=-756/0, 1-2=-267/11 ·344/267, 4-5=0/887, 68/0, 7-8=-2114/0, ·2495/0, 11-12=-2020,	,									
BOT CHORD	21-23=-488/179, 20 19-20=0/1742, 18-1	267/344, 23-24=-267/3 -21=0/350, 9=0/2495, 17-18=0/24 6=0/1619, 14-15=0/0	495,								TH CA	ROLIN
WEBS	2-24=-247/0, 3-23=- 8-18=-58/151, 9-17= 4-23=0/646, 6-21=- 7-20=-898/0, 7-19=0	420/0, 5-21=-155/0, =-197/0, 4-21=-678/0, 1337/0, 6-20=0/952, 0/509, 8-19=-607/0, 5=-990/0, 12-16=0/52 7=-85/405,							Gunner		SEA 0363	• –
NOTES	0									e d	<b>N</b>	1 3
1) Unbalance this design	ed floor live loads have n. are 3x4 MT20 unless o								3	in the second se		ILBERTUUT ILBERTUUT er 4,2024

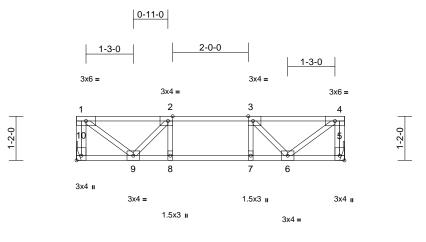
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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F10	Floor	3	1	Job Reference (optional)	168705814

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:ejBrUHtEK23xDVIOSXVQZ0zyj?O-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



L	2-6-8	3-6-8	4-6-8	7-1-0
	2-6-8	1-0-0	1-0-0	2-6-8

#### Scale = 1:30.5

# Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [5:Edge,0-1-8], [10:Edge,0-1-8]

						-						
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	0.35	Vert(LL)	-0.03	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.03	8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 38 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
BRACING	,											
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly		с									
	bracing.											
REACTIONS	(size) 5= Mecha	nical, 10= Mechani	cal									
	Max Grav 5=376 (L0	C 1), 10=376 (LC 1)										
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD	1-10=-369/0, 4-5=-3	69/0, 1-2=-359/0,										
	2-3=-604/0, 3-4=-35	9/0										
BOT CHORD	9-10=0/0, 8-9=0/604	, 7-8=0/604, 6-7=0/	604,									
	5-6=0/0											
WEBS	2-8=-57/90, 3-7=-57											
2-9=-359/0, 4-6=0/450, 3-6=-359/0												
NOTES												
1) Unbalance	ed floor live loads have	e been considered fo	or									
, this desigr	۱.											111.
<ul> <li>this design.</li> <li>2) Refer to girder(s) for truss to truss connections.</li> <li>2) Refer to girder(s) for truss to truss connections.</li> </ul>												
A) D	and Out of a transmission of the second	a salara sanasa di sa									N AH UH	NO 1

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

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F11	Floor	1	1	I687 Job Reference (optional)	05815

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:jhhDvftInYW9hGcLpSUuRWzyj\_5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

#### 0-11-0 1-2-8 2-0-0 1-3-0 3x6 = 3x4 = 3x4 = 3x6 = 2 3 4 Ŷ٦ <del>-</del> <del>\</del> **₽**√ 1-2-0 5 9 6 8 7 3x4 II 3x4 = 3x4 = 1.5x3 🛚 3x4 🛛 1.5x3 🛛

[	2-6-8	3-6-8	4-6-8	7-4-8
	2-6-8	1-0-0	1-0-0	2-10-0

#### Scale = 1:30.7

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [5:Edge,0-1-8], [10:Edge,0-1-8]

1-2-0

						-						
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	0.47	Vert(LL)	-0.04	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.05	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S	-						Weight: 39 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
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	С									
	bracing.											
REACTIONS	(	10= Mechanical										
	Max Grav 5=392 (L0	C 1), 10=392 (LC 1)										
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD												
	2-3=-662/0, 3-4=-36											
BOT CHORD		2, 7-8=0/662, 6-7=0/	662,									
WEBS	5-6=0/0 2-8=-42/122, 3-7=-7	2/69 1 0 0/477										
WEDS	2-9=-42/122, 3-7=-7 2-9=-411/0, 4-6=0/4											
NOTES	2 3= 411/0, 4-0=0/4											
	ed floor live loads have	a been considered fr	or.									
this design			<i>J</i> 1									1777
	are assumed to be: , J	oint 5 SP No.2 crust	nina									in the second se
capacity o	,										TH CA	ROUL
	irder(s) for truss to trus	ss connections.								15	A	De late

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

LOAD CASE(S) Standard

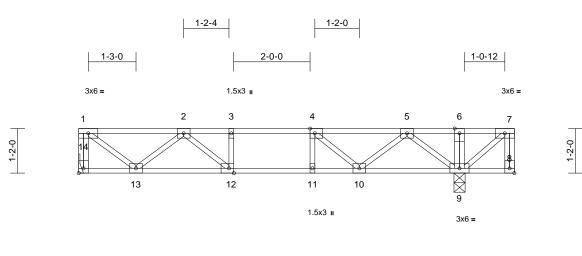


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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F12	Floor	2	1	Job Reference (optional)	168705816

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:YN6LILMOMrYUUPf19sCG3yzyizT-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



4-0-12	5-0-12	6-0-12	9-11-12	10-1-8    11-5-0	
4-0-12	1-0-0	1-0-0	3-11-0	0-1-12 1-3-8	1

#### Scale = 1:30.2

# Plate Offsets (X, Y): [4:0-1-8,Edge], [8:Edge,0-1-8], [12:0-1-8,Edge], [14:Edge,0-1-8]

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				-							-	-
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	0.42			12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)		12-13	>999	240		210.00
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	0	n/a	n/a	1	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S		(0.)		-			Weight: 61 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she		ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS	U	14= Mechanical										
	Max Grav 9=696 (L											
FORCES	(lb) - Maximum Con											
	Tension											
TOP CHORD	1-14=-532/0, 7-8=0/	/3, 1-2=-558/0,										
	2-3=-1237/0, 3-4=-1	237/0, 4-5=-950/0,										
	5-6=0/73, 6-7=0/73											
BOT CHORD	13-14=0/0, 12-13=0		7,									
	10-11=0/1237, 9-10											
WEBS	3-12=-182/0, 4-11=-											
	5-9=-801/0, 5-10=0/											
	7-9=-93/0, 1-13=0/7	00, 2-13=-635/0,										
	2-12=0/407										, mmm	1111
NOTES											WHY CA	Pall
	ed floor live loads have	e been considered fo	or							1	alli	
this design		alle a moderna for alle and and								1.	O' EES	Id Nor
	are 3x4 MT20 unless on are assumed to be: , J		aina							25		Nin In
capacity o		Unit 9 3F NO.2 Clusi	iing						2			T: -
	irder(s) for truss to tru:	ss connections									054	1 1 2
	and 2x6 strongbacks, o										SEA	L : E
	oc and fastened to eac										0363	22 : =
<ul> <li>at their outer ends or restrained by other means.</li> <li>CAUTION, Do not erect truss backwards.</li> <li>LOAD CASE(S) Standard</li> </ul>												
at their ou	ter ends or restrained	by other means.								-	N	1 2
6) CAUTION	l, Do not erect truss ba	ackwards.								2	N. En	Rik S
LOAD CASE(	S) Standard									25	S. GIN	EFRAN
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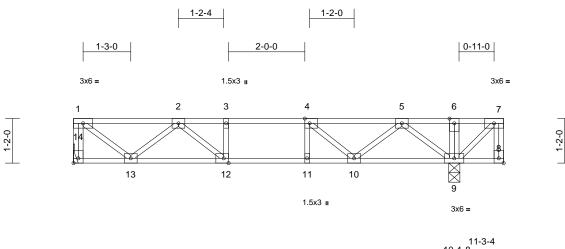
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F12A	Floor	1	1	Job Reference (optional)	168705817

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:YN6LILMOMrYUUPf19sCG3yzyizT-RfC?PsB70Hq3NSgPqnL&w3uITXbGKWrCDoi7J4zJC?f

Page: 1



4-0-12	5-0-12   6-0-12	9-11-12	10-1-8
4-0-12	5-0-12 0-0-12	5-11-12	
4-0-12	1-0-0 1-0-0	3-11-0	0-1-12
			1-1-12

Scale = 1:30.2

# Plate Offsets (X, Y): [4:0-1-8,Edge], [8:Edge,0-1-8], [12:0-1-8,Edge], [14:Edge,0-1-8]

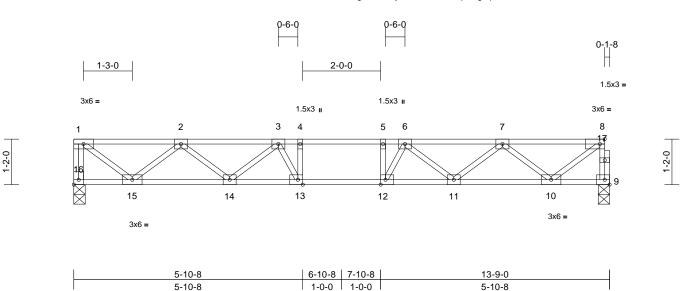
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)		12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.07	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S	-						Weight: 60 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	( )											
WEBS	2x4 SP No.3(flat)											
BRACING	2.x. 0. 11010(1101)											
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD			C									
	bracing.											
REACTIONS	( )	14= Mechanical										
	Max Grav 9=679 (L0	C 1), 14=539 (LC 3)										
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD												
	2-3=-1239/0, 3-4=-1	239/0, 4-5=-952/0,										
BOT CHORD	5-6=0/58, 6-7=0/57 13-14=0/0, 12-13=0	/10/7 11-12-0/123	a									
BOT CHORD	10-11=0/1239, 9-10		σ,									
WEBS	3-12=-182/0, 4-11=-											
	1-13=0/701, 2-13=-6											
	5-9=-799/0, 5-10=0/	433, 4-10=-434/0,										
	7-9=-76/0											11
NOTES											N''LL CA	Dill
	ed floor live loads have	e been considered fo	or								THUR	ROIL
this desigr										1	OFFSE	an his
	are 3x4 MT20 unless of									UN	infloo	Marc
	are assumed to be: , J	oint 9 SP No.2 crush	ning								.0	K . 3
capacity of	irder(s) for truss to trus	ss connections							-		•	
	and 2x6 strongbacks, c									:	SEA	L : =
									Ξ.		0363	22 E
	10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls								-		. 0000	
	ter ends or restrained					-	1	10 C	1 1 2			
6) CAUTION	l, Do not erect truss ba	ackwards.									N. En	-cRik S
LOAD CASE(	S) Standard									1	A, GIN	EF. AN
										1	CA -	BEIN
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Job	Truss	Truss Type		Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY		
4600395	F13	Floor	4	1	Job Reference (optional)	168705818	

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:\_HEI0NhubKCTzgBtm6elixzyivA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:29.6

<b>Loading</b> TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.00 1.00	CSI TC BC	0.49 0.72	DEFL Vert(LL) Vert(CT)		(loc) 12-13 12-13	l/defl >999 >999	L/d 480 240	PLATES MT20	<b>GRIP</b> 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 70 lb	FT = 20%F, 11%E
LUMBER TOP CHORI	D 2x4 SP No.2(flat)											
BOT CHORE	D 2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING TOP CHORE	O Structural wood she	othing directly appli	ad or									
	6-0-0 oc purlins, ex											
BOT CHORE			c									
REACTIONS	<b>3</b> (size) 9=0-3-8, Max Grav 9=736 (Le											
FORCES	(lb) - Maximum Con	npression/Maximum										
TOP CHORE	Tension D 1-16=-736/0, 8-9=-7 2-3=-1939/0, 3-4=-2											
	5-6=-2365/0, 6-7=-1											
BOT CHORE												
	12-13=0/2365, 11-1	2=0/2286, 10-11=0/	1564,									
WEBS	9-10=0/44 4-13=-339/49, 5-12=	339/51 1-15-0/10	46									
WEDO	2-15=-954/0, 2-14=(	,	40,									1.1.1.1
	3-13=-105/477, 8-10	0=0/1011, 7-10=-948										11111
	7-11=0/487, 6-11=-4	452/0, 6-12=-107/47	6								WITH CA	Politic
NOTES	ced floor live loads have	haan aanaidarad fe								À.	ON EESS	id A
this desi			Л						6	25	in 1	City
	s are 3x4 MT20 unless of	otherwise indicated.										
	ngs are assumed to be	SP No.2 crushing							-		SEA	1 i E
	of 565 psi.	a adaa aaaaad at							= =		0262	• -
	nend 2x6 strongbacks, o ) oc and fastened to eac								1		0363	22 : =
	X 3") nails. Strongbacks		alls							2	N.	1 E
at their c	outer ends or restrained	by other means.								21	N.ENO	-CRIL S
,	N, Do not erect truss ba	ackwards.								1	S. GIN	F.F. R.N
LOAD CASE	E(S) Standard									1	A. C	ILBEIN
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											Octob	or 4 2024

October 4,2024

Page: 1

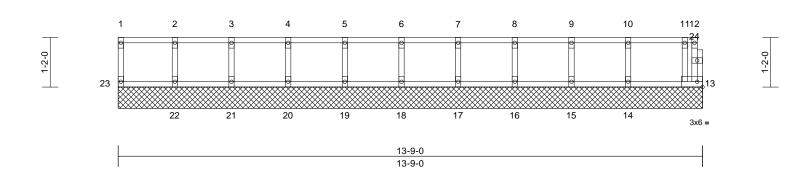
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Job	Truss	Truss Type	Qty	Ply	LONGLEAF FLOOR - LOT 9 - ILA'S WAY	
4600395	F14	Floor Supported Gable	1	1	Job Reference (optional)	168705819

0-1-8 Π

Page: 1



#### Scale = 1:27.1

Scale = 1.27.1													
Loading	(psf)	Spacing	2-0-0	cs			DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс		0.10	Vert(LL)	n/a	(100)	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC		0.03	Vert(TL)	n/a	-	n/a	999		210,000
BCLL	0.0	Rep Stress Incr	YES	WE		0.03	Horiz(TL)	0.00	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI		trix-R	0.00		0.00		1.70		Weight: 58 lb	FT = 20%F, 11%E
												0	, ,
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)		car 6) Re	pacity of 565 pe commend 2x6	ssumed to be S si. strongbacks, or astened to eacl	n edge	, spaced at						
OTHERS	2x4 SP No.3(flat)				. Strongbacks			alls					
BRACING	2x4 01 100.0(ildt)		,	,	s or restrained b								
TOP CHORD	Structural wood she	athing directly applie	nd or 7) CA	UTION, Do no	t erect truss bad	ckwarc	ls.						
	6-0-0 oc purlins, ex	cept end verticals.	LOAD	CASE(S) Sta	ndard								
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 of	C										
REACTIONS	16=13-9-( 19=13-9-( 22=13-9-( 22=13-9-( 13=85 (LC 15=142 (I 17=146 (I 19=147 (I	LC 1), 16=148 (LC 1 LC 1), 18=147 (LC 1 LC 1), 20=146 (LC 1 LC 1), 22=142 (LC 1	-9-0, -9-0, ), ),										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-23=-60/0, 12-13=0 2-3=-15/0, 3-4=-15/0 6-7=-15/0, 7-8=-15/0 10-11=-15/0, 11-12=	0, 4-5=-15/0, 5-6=-15 0, 8-9=-15/0, 9-10=-1										"TH CA	Routin
BOT CHORD	22-23=0/15, 21-22= 19-20=0/15, 18-19= 16-17=0/15, 15-16= 13-14=0/15	0/15, 17-18=0/15,								4	a	O FESS	Mar 1
WEBS	2-22=-134/0, 3-21=- 5-19=-133/0, 6-18=- 8-16=-134/0, 9-15=- 11-13=-92/0	133/0, 7-17=-133/0,	),									SEA 0363	• -
NOTES											1	·	A 1. 3
	are 1.5x3 MT20 unless	s otherwise indicated	ł.								- 1	N.SNGINI	EEM X N
2) Gable req	uires continuous botto	m chord bearing.									1	P/ GIN	5. 64 1
	e fully sheathed from o										1	A G	BEIN
	ainst lateral movemen											11111.0	in in its in the second s
<ul> <li>a) Truss to be fully shearned from one face of securely braced against lateral movement (i.e. diagonal web).</li> <li>b) Gable studs spaced at 1-4-0 oc.</li> </ul>										1 000 1			

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818 Soundside Road Edenton, NC 27932

Run: 8.63 S Sep 26 2024 Print: 8.630 S Sep 26 2024 MiTek Industries, Inc. Fri Oct 04 12:26:06 ID:az4by9sgldzTfpFaa2u1Guzyiuy-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

