

Carter Sanford Component Plant 298 Harvey Faulk Rd Sanford, NC 27332

Phone #:919-775-1450

# Builder: A&G Residential



## Model: Hampton B

THE PLACEMENT PLAN NOTES:

1. The Placement Plan is a diagram for truss installation. It is not an engineered drawing and has not been reviewed by an engineer. The Owner/Building Designer is responsible for obtaining an engineer's review if one is required by the local jurisdiction.

2. The responsibilities of the Owner, Contractor, Building Designer, Component Designer and Component Manufacturer shall be as set forth in ANSI/TPI 1. Capitalized terms shall be as defined in ANSI/TP 1 unless otherwise indicated.

3. Each Component is designed as an individual component utilizing information provided by others. The Owner/Building Designer is responsible for reviewing all Component Submittal Packages and individual Component Design Drawings for compliance with the Construction Documents and compatibility with the overall Building design.

4. Contractor will not proceed with component installation until the Owner/Building Designer has reviewed the Component Submittal Package. Questions on the suitability of any Component will be resolved by the Building Designer.

5. The Building Designer and Contractor are responsible for all temporary and permanent bracing.

6. The Placement Plan assumes the building is dimensionally correct, structurally sound, and in a suitable condition to support each Component during installation and thereafter, including but not limited to installation of all bearing points. Proper design and construction of all structural components, including foundations, headers, beams, walls and columns are the responsibility of the Owner, Building Designer and Contractor.

7. Do not cut, drill, or modify any Component without first consulting the Component Manufacturer or Building Designer. Damaged Components shall not be installed unless directed by the Building Designer or approved by the Component Manufacturer.

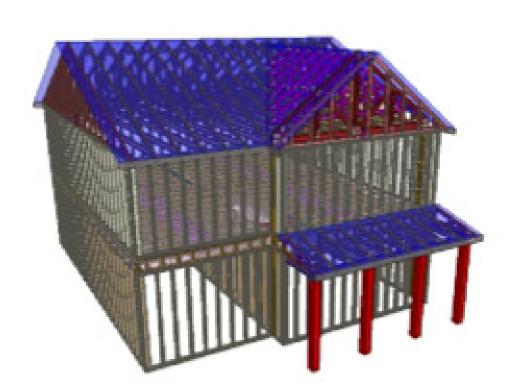
8. Components must be handled and installed following all applicable safety standards and best practices, including but not limited to BCSI, OSHA, TPI and local codes. Failure to properly handle, brace or otherwise install Component can result in serious injury or death. 9. All uplift connectors shown within these documents are recommendations only. Per ANSI/TPI 1, all uplift connectors are the responsibility of the building designer and or contractor.

Approved By: \_\_\_\_\_

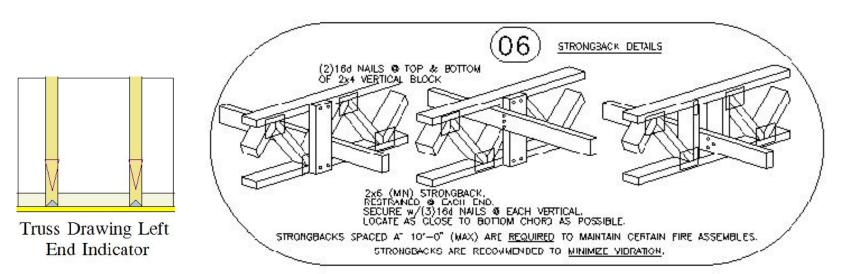
Date: \_\_\_\_\_

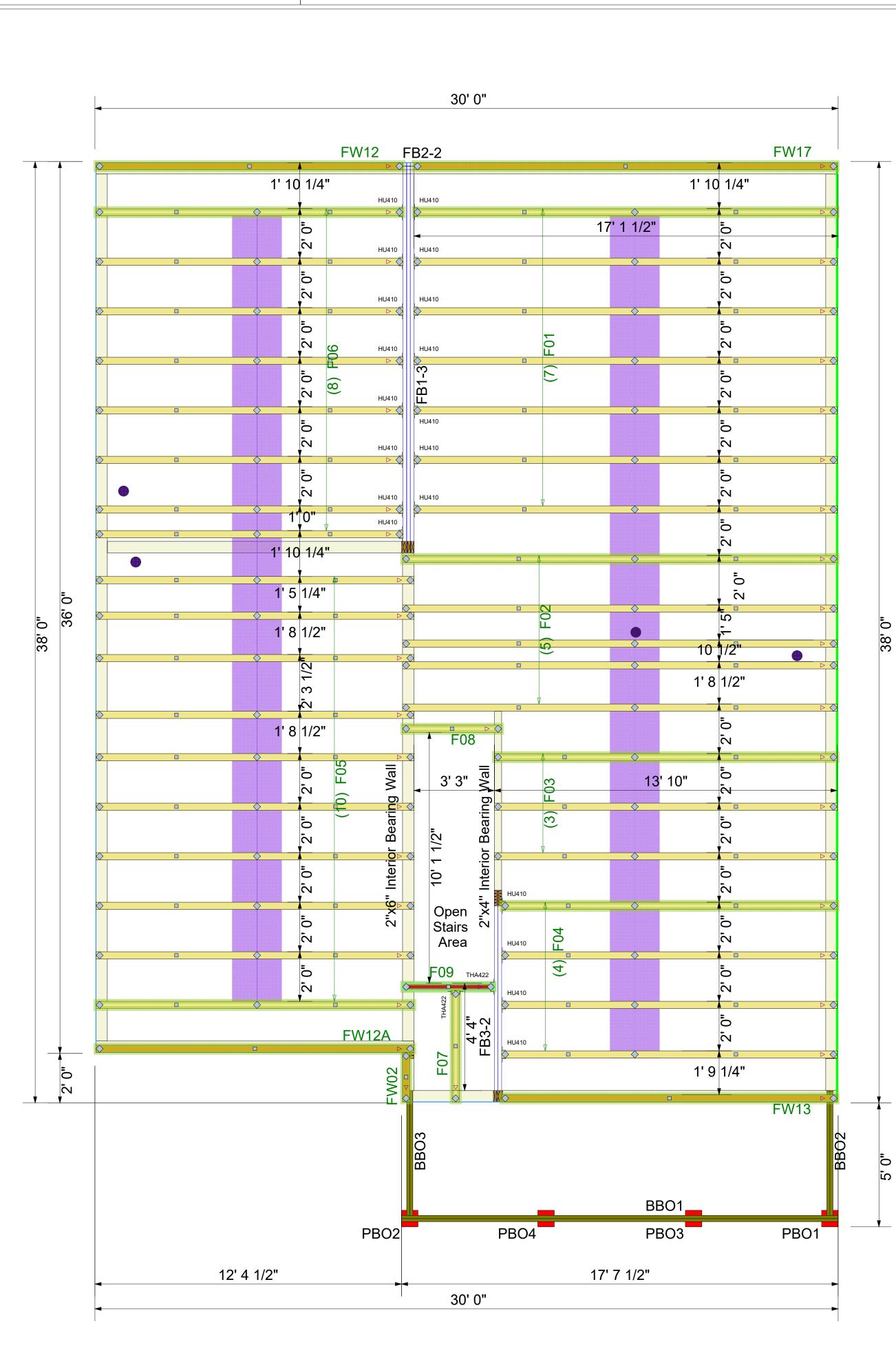


\*



			Products
Fab Typ	e Net Qt	y Plies	Product
F	- 2	2 2	2.1 RigidLam SP LVL 1-3/4 x 9-1/4
F	= 3	3 3	2.1 RigidLam SP LVL 1-3/4 x 14
F	- 2	2 2	2.1 RigidLam SP LVL 1-3/4 x 14





Length	PlotID
4-00-00	FB2-2
16-00-00	FB1-3
10-00-00	FB3-2
Truss Conr	nector Total List
Qty Produc	ct Manuf
2 THA42	22 Simpson

19 HU410 Simpson

46 SDW22500 Simpson

7 SDW22634 Simpson

	Devisions
	Revisions         00/00/00       Name         00/00/00       Name         00/00/00       Name         00/00/00       Name         00/00/00       Name         00/00/00       Name
TRUSS TO TRUSS CONNECTIONS ARE TOE-NAILED, UNLESS NOTED OTHERWISE.	<b>THIS IS A TRUSS PLACEMENT DIAGRAM ONLY</b> . These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See Individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor systems and for the overall structure. The disign of the tuss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding the bracing, consult "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Onifrio Drive: Madison, WI 53179
DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH.	
GIRDERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS.	A&G Residential 61 Harnett Lakes-2nd Floor-Hampton B FLOOR PLACEMENT PLAN
** GIRDERS MUST BE FULLY CONNECTED	Scale: NTS Date: 1/31/2025 Designer: Gladys Rivas Project Number: 25010298-B Sheet Number: 1/1



Trenco 818 Soundside Rd Edenton, NC 27932

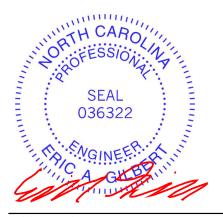
Re: 25010298-B 61 Harnett Lakes-2nd Floor-Hampton B

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I71076275 thru I71076288

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

North Carolina COA: C-0844



January 30,2025

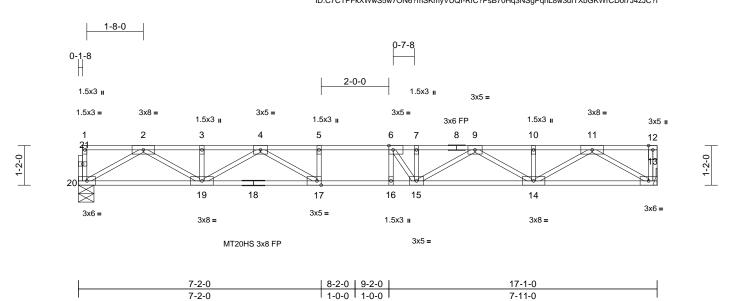
## Gilbert, Eric

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

Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F01	Floor	7	1	Job Reference (optional)	171076275

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:35 ID:C7CTPFkXWwS5w7ON6?mSKmyVUQI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:34

## Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

	(x, i): [0:0 i 0,Eugo];	, [11:0 1 0,Edg0]										
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	0.74	Vert(LL)	-0.28	16-17	>732	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.38	16-17	>534	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH					-		Weight: 87 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	( )	xcept* 18-13:2x4 SI	2									
	No.1(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING	Other strengt was a disk a	a da la condicación de la consella										
TOP CHORD	Structural wood she 5-3-13 oc purlins, e		ed or									
BOT CHORD			c									
201 0110112	bracing, Except:		•									
	2-2-0 oc bracing: 16	6-17.										
REACTIONS	(size) 13= Mech	nanical, 20=0-5-8										
	Max Grav 13=926 (I	LC 1), 20=920 (LC 1	)									
FORCES	(lb) - Maximum Corr	npression/Maximum										
	Tension											
TOP CHORD												
	2-3=-2494/0, 3-4=-2											
	5-6=-3683/0, 6-7=-3 9-10=-2493/0, 10-11											
BOT CHORD												
Bor chore	15-16=0/3683, 14-1											
WEBS	5-17=-274/0, 6-16=-											
	2-19=0/1237, 3-19=	-172/0, 11-13=-1664	4/0,								WITH CA	Bally
	11-14=0/1231, 10-1		9/0,							1	A	in Child
	4-17=0/772, 9-14=-8	, ,								52	C FEOD	Wir sin
	7-15=-241/129, 6-15	5=-560/326							9		le l	
NOTES	a differentina de ado d										·· /·	
<ol> <li>Unbalance this design</li> </ol>	ed floor live loads have	e been considered fo	or								SEA	L : =
	are MT20 plates unles	s otherwise indicate	d						=	:	0363	• -
	irder(s) for truss to trus		<b>u</b> .						-		0303	
	end 2x6 strongbacks, o									-	<b>N</b>	1 E -
	oc and fastened to eac									1	·	Airs

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

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

A. GILBE

January 30,2025

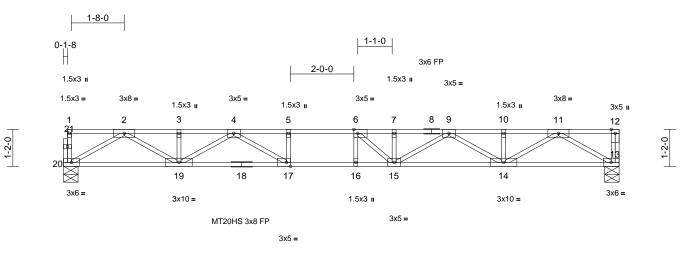
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F02	Floor	5	1	Job Reference (optional)	171076276

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:uEDzoEEpAKHwWpIVDuXrA7yVUQx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



7-2-0	8-2-0   9-2-0	17-6-8
7-2-0	1-0-0 1-0-0	8-4-8

Scale = 1:36.4

### Plate Offsets (X, Y): [6:0-1-8,Edge], [17:0-1-8,Edge]

	(, .). [											
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.77	Vert(LL)	-0.30	15-16	>702	480	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.41	15-16	>512	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH		- (- /					Weight: 89 lb	FT = 20%F, 11%E
					-						Ū	,
LUMBER												
TOP CHORD												
BOT CHORD	( )	xcept* 18-13:2x4 SI	P									
	2400F 2.0E(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD			ed or									
DOTOUDEE	2-2-0 oc purlins, ex											
BOT CHORD		applied or 10-0-0 o	C									
	bracing.											
REACTIONS	· · ·	, 20=0-5-8										
	Max Grav 13=951 (I		,									
FORCES	(lb) - Maximum Corr	pression/Maximum										
	Tension											
TOP CHORD												
	2-3=-2577/0, 3-4=-2	, ,										
	5-6=-3874/0, 6-7=-3											
	9-10=-2575/0, 10-11	,										
BOT CHORD												
	15-16=0/3874, 14-1	,										
WEBS	5-17=-281/0, 6-16=-											1111
	2-19=0/1285, 3-19= 11-14=0/1276, 10-1	,	,								WHILL CA	Dall
	4-17=0/837, 9-14=-8		5/0,							1	altion	10/11/
	7-15=-226/61, 6-15=									1	OFFSE	ani-
NOTES	7 10- 220/01, 0 10-	- 040/200								1A	· OF	MAL
	ed floor live loads have	been considered fo	~r								.9	1 2
this design			JI						-		• •	
	are MT20 plates unles	s otherwise indicate	h							:	SEA	L : =
	end 2x6 strongbacks, o		iu.						=	:	0363	22 : =
	oc and fastened to eac										0505	22 : :
	3") nails. Strongbacks		alle								N	
	iter ends or restrained		rans							-	·	all S
	I, Do not erect truss ba									35	NGIN	FERMAN
,	(S) Standard									11	7/0	The second
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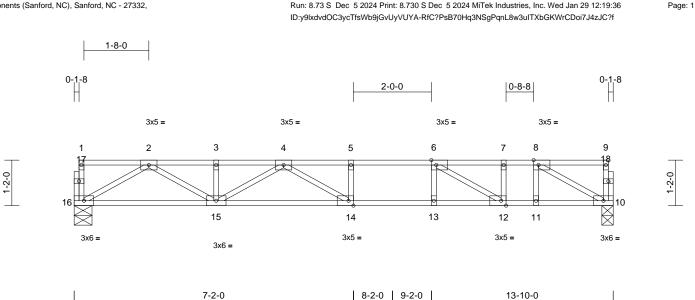
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Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F03	Floor	3	1	Job Reference (optional)	171076277

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36

4-8-0

Carter Components (Sanford, NC), Sanford, NC - 27332,



1-0-0 1-0-0

#### Scale = 1:29.6

## Plate Offsets (X, Y): [6:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [14:0-1-8,Edge]

7-2-0

	(, .). [e.e . e,==ge]			9-1								
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	0.78	Vert(LL)	-0.21	14-15	>788	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.28	14-15	>582	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 70 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP 2400F 2.0E	(flat)										
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex		ed or									
BOT CHORD	Rigid ceiling directly		с									
	bracing.											
REACTIONS	· · ·	16=0-5-8	、 、									
	Max Grav 10=741 (I	<i>,,</i>	)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-16=-69/0, 9-10=-3	5/28. 1-2=-4/0.										
	2-3=-1902/0, 3-4=-1											
	5-6=-2341/0, 6-7=-1	336/0, 7-8=-1336/0,										
	8-9=-2/2											
BOT CHORD	15-16=0/1139, 14-1											
	12-13=0/2341, 11-1		1336									
WEBS	5-14=-85/0, 6-13=0/ 2-15=0/890, 3-15=-7											
	4-14=-147/36, 6-12=		0/0								minin	1111.
	7-12=0/258, 8-11=0		0/0,								TH CA	ROUL
NOTES	,,.									N	R	
	ed floor live loads have	e been considered fo	nr							<u>/</u> ,	O'. FESS	10X Vis
this design									4	Ů	A.	1 Sille
2) All plates a	are 1.5x3 MT20 unless	s otherwise indicated	d.								.a	
	end 2x6 strongbacks, c								-		SEA	1 : =
	oc and fastened to eac								=			• -
	3") nails. Strongbacks		alls								0363	22 E
	ter ends or restrained	by other means.								- B	<b>1</b>	1 E -

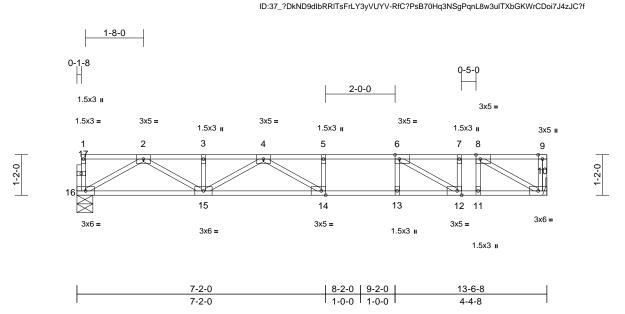
LOAD CASE(S) Standard

ERIC SA A. GI minum. January 30,2025

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 Schut Information, purplication component component durate propagate component for the prevention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F04	Floor	4	1	Job Reference (optional)	171076278
Carter Components (Sanford, NC	), Sanford, NC - 27332,	Run: 8.73 S Dec 5	2024 Print: 8.	730 S Dec 5	2024 MiTek Industries, Inc. Wed Jan 29 12:19:36	Page: 1



Scale = 1:33.2

### Plate Offsets (X, Y): [6:0-1-8,Edge], [8:0-1-8,Edge], [12:0-1-8,Edge], [14:0-1-8,Edge]

	, , ,	, [,], []	-, -, -, -,		-							
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.94	Vert(LL)		14-15	>702	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.31	14-15	>520	360	101120	244/100
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	10	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH	0.41		0.00	10	Π/a	Π/a	Weight: 69 lb	FT = 20%F, 11%E
		1			-						<u> </u>	,
	Out CD No Office)											
TOP CHORD BOT CHORD	( )											
WEBS	2x4 SP No.1(flat) 2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
	2X4 SF 110.3(11at)											
BRACING TOP CHORD		المحمد بالتحجيل حجال										
TOP CHORD	Structural wood she 2-2-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly		C									
BOT CHOILD	bracing.		C									
REACTIONS	0	nanical, 16=0-5-8										
REACTIONS	Max Grav 10=731 (I	,	)									
FORCES	(lb) - Maximum Corr	<i></i>	,									
FURGES	Tension	ipression/waximum										
TOP CHORD	1-16=-70/0, 9-10=-5	4/10 1-2=-4/0										
	2-3=-1849/0, 3-4=-1											
	5-6=-2213/0, 6-7=-1	, ,										
	8-9=0/0	,,	·									
BOT CHORD	15-16=0/1112, 14-1	5=0/2233, 13-14=0/2	2213,									
	12-13=0/2213, 11-1	2=0/1236, 10-11=0/	1236									
WEBS	5-14=-56/0, 6-13=0/	228, 2-16=-1282/0,										
	2-15=0/860, 3-15=-1											11
	8-10=-1417/0, 7-12=										11111 01	1111
	4-15=-448/0, 4-14=-	189/0									OR JEESS	ROUL
NOTES										5	A Street	A INT
1) Unbalance	ed floor live loads have	e been considered fo	or							52	C. F. S.	TRACT
this desigr									4		12/ 1	14.
	irder(s) for truss to trus									<u>е</u> в	:4	1: -
	end 2x6 strongbacks, c								-		SEA	1 <del>1</del> E
	oc and fastened to eac						- 8			• -		
	3") nails. Strongbacks		alls						=		0363	22
	ter ends or restrained										•	1 E -
<ol><li>CAUTION</li></ol>	l, Do not erect truss ba	ackwards.								-	1. Sec. 1. Sec	1 - 1 - S

LOAD CASE(S) Standard

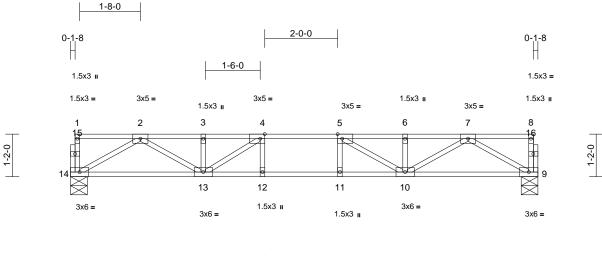
THE PIC G minim January 30,2025

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 Schut Information, purplication component component durate propagate component for the prevention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F05	Floor	10	1	Job Reference (optional)	171076279

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:mVXwBX49pFH?ZlwsSCQia?yVUYt-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



5-4-0	6-4-0	7-4-0	12-10-0
5-4-0	1-0-0	1-0-0	5-6-0

Scale = 1:31.6

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.46	Vert(LL)	-0.11	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.15	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH	-						Weight: 65 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	с									
	bracing.											
	· · · ·											
	Max Grav 9=686 (L											
FORCES	(lb) - Maximum Con	npression/Maximum										
	Tension		704/0									
TOP CHORD	1-14=-71/0, 8-9=-72 3-4=-1701/0, 4-5=-2											
	6-7=-1708/0, 7-8=-4	,	1									
BOT CHORD	13-14=0/1036, 12-1		2053									
	10-11=0/2053, 9-10	,	2000,									
WEBS	4-12=-61/98, 5-11=-											
	7-9=-1193/0, 6-10=-	-207/23, 7-10=0/785	,									
	2-14=-1194/0, 2-13=	=0/776, 3-13=-192/3	8,									11
	4-13=-595/0										11''' CA	D'III
NOTES											ORTH CA	ROM
	ed floor live loads have	e been considered fo	or							S.	ONFESS	AN'S
this design										52		THAT
	are 1.5x3 MT20 unles		d.						-	D	12/ 1	4.
	nd 2x6 strongbacks, c								1	1		
	oc and fastened to ead 3") nails. Strongbacks		velle						=	:	SEA	L : =
	Jindiis. Juonydacks	s to be allached to w	alio						_	•		• •

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

LOAD CASE(S) Standard



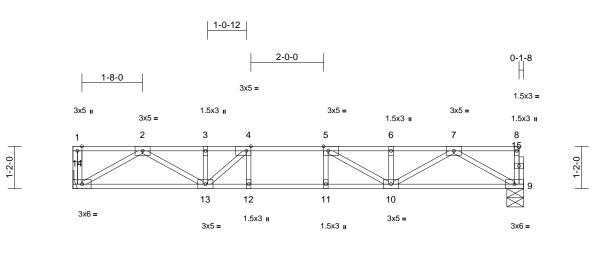
Page: 1

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

Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F06	Floor	8	1	Job Reference (optional)	171076280

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:yJ2MFwoEfGI1BH?a6KuOiXyVURV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



4-10-12	5-10-12 6-10-12	12-4-12
4-10-12	1-0-0 1-0-0	5-6-0

Scale = 1:31.7

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

Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.11		>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.14	10-11	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH	-						Weight: 64 lb	FT = 20%F, 11%E
LUMBER												
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 applie	ed or									
	6-0-0 oc purlins, ex											
BOT CHORD		applied or 10-0-0 o	С									
	bracing.											
REACTIONS	· · · ·	14= Mechanical										
	Max Grav 9=662 (LC											
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD		10 1 2-0/0 2 2- 16	10/0									
TOP CHORD	3-4=-1610/0, 4-5=-1											
	6-7=-1632/0, 7-8=-4											
BOT CHORD			907.									
	10-11=0/1907, 9-10	=0/995	,									
WEBS	4-12=-55/120, 5-11=	-76/64, 2-14=-1155	/0,									
	7-9=-1146/0, 7-10=0											
	5-10=-505/0, 2-13=0	)/714, 3-13=-155/74	,									111.
	4-13=-571/0										TH CA	Dille
NOTES										15	"ath ur	0111
,	ed floor live loads have	e been considered fo	or						/	S	Onice	the Aller
this design		a connectione							6	t /	11 1	MAL
	girder(s) for truss to trus end 2x6 strongbacks, o								-		:4	K. /.
	oc and fastened to eac								-		0.54	1 1 1
	3") nails. Strongbacks		alls								SEA	L <u>1</u> E
	iter ends or restrained								Ξ		0363	22 E
	I, Do not erect truss ba											i E
,	(O) Oten dend									-	No. 1997	

LOAD CASE(S) Standard

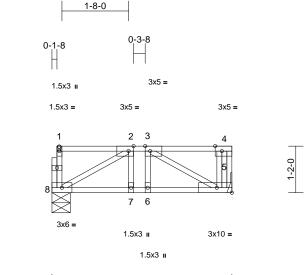


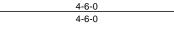
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 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	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F07	Floor	1	1	Job Reference (optional)	171076281

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:2hE96QWFBc1lbwY3OccSroyVUau-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f







Scale = 1:28.8

### Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-2-0,Edge]

1-2-0

												-	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.01	5-6	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.01	5-6	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a			
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MSH							Weight: 28 lb	FT = 20%F, 11%E	
LUMBER													
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	Structural wood sheathing directly applied or											
	4-6-0 oc purlins, ex	4-6-0 oc purlins, except end verticals.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	С										
	bracing.												
REACTIONS		anical, 8=0-5-8											
	Max Grav 5=230 (L0	C 1), 8=224 (LC 1)											
FORCES	(lb) - Maximum Corr	npression/Maximum											
	Tension												
TOP CHORD	1-8=-78/0, 4-5=-83/0	0, 1-2=-5/0, 2-3=-26	0/0,										
DOTOUDDD	3-4=0/0												
BOT CHORD	7-8=0/260, 6-7=0/260, 5-6=0/260												
WEBS	3-5=-295/0, 2-8=-29	3/0, 2-7=-40/76,											
	3-6=-51/65												
NOTES													
	ed floor live loads have	e been considered fo	or										
this design	n.											1111	

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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Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F08	Floor	1	1	Job Reference (optional)	171076282

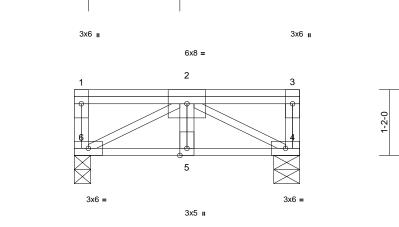
1-7-8

Carter Components (Sanford, NC), Sanford, NC - 27332,

1-2-0

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:P?gB?Bci\_GMXOIRNgWDZVmyVUZU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6 Page: 1





Scale = 1:20.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	0.00	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	0.00	5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 30 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD												
WEBS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	4-0-0 oc purlins, ex	cept end verticals.										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 of	с									
REACTIONS	•	6=0-3-8										
	Max Grav 4=206 (LC											
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD		, ,										
BOT CHORD												
WEBS	2-5=0/21, 2-6=-263/	0, 2-4=-263/0										
NOTES												
1) Recomme	end 2x6 strongbacks, o	n edge, spaced at										
10-00-00 (	oc and fastened to eac	h truss with 3-10d										

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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TREERING BY A MITEK Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	F09	Floor Girder	1	1	Job Reference (optional)	171076283

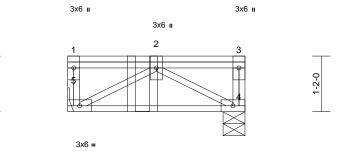
1-2-0

Run: 8,73 S Dec 5 2024 Print: 8,730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:?txBEXAUiuinS36F?F2uVzyVUa3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



THA422



3-8-8



Scale = 1:24.1

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	0.06 0.20 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.02 0.00	(loc) - 4-5 4	l/defl n/a >999 n/a	L/d 999 360 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MP							Weight: 27 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) 2x4 SP No.3(flat) Structural wood she 3-8-8 oc purlins, ex Rigid ceiling directly bracing. (size) 4=0-5-8, § Max Grav 4=255 (LC (lb) - Maximum Com Tension 1-5=-73/0, 3-4=-73/0	athing directly applie cept end verticals. applied or 10-0-0 or 5= Mechanical C 1), 5=255 (LC 1) npression/Maximum	ed or									
BOT CHORD	4-5=0/291	J, 1-2=0/0, 2-3=0/0										
WEBS	2-4=-335/0, 2-5=-33	5/0										
<ol> <li>Recommer 10-00-00 o (0.131" X 3 at their outu</li> <li>Use Simps Truss) or e connect tru</li> <li>Fill all nail H</li> <li>In the LOA of the truss</li> <li>LOAD CASE(S</li> <li>Dead + FI Plate Incm Uniform L Vert: 4- Concentra</li> </ol>	rder(s) for truss to trus nd 2x6 strongbacks, o c and fastened to eac ") nails. Strongbacks er ends or restrained on Strong-Tie THA42 quivalent at 1-6-12 fr iss(es) to front face of holes where hanger is D CASE(S) section, lo c are noted as front (F 5) Standard loor Live (balanced): I ease=1.00 .oads (lb/ft) -5=-10, 1-3=-100 ated Loads (lb) =-130 (F)	n edge, spaced at th truss with 3-10d to be attached to w by other means. 2 (6-16d Girder, 6-1 om the left end to i top chord. s in contact with luml bads applied to the f ) or back (B).	0d ber. ace						A contraction of the second se		SEA 0363	EEP A LUI

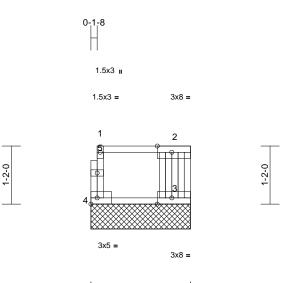


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Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B				
25010298-B	FW02	Floor Supported Gable	1	1	Job Reference (optional)	171076284			

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:36 ID:H8l8QhQD390RdhxXwxSaX6yVUb0-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:23.2

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

	, , , ). [2:0 0 0,2 ago]	[0.0 0 0,2 0g0]										
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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL BCLL	10.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES	BC WB	0.03 0.00	Vert(TL) Horiz(TL)	n/a 0.00	- 3	n/a n/a	999 n/a		
BCDL	5.0	Code	IRC2021/TPI2014	Matrix-MR	0.00		0.00	3	n/a	n/a	Weight: 15 lb	FT = 20%F, 11%E
	5.0	Obac	11(02021/1112014		-						Weight. To ib	11 = 20701, 1170E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.3(flat)											
OTHERS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she		ed or									
BOT CHORD	2-0-0 oc purlins, ex Rigid ceiling directly bracing.		с									
REACTIONS	(size) 3=2-0-0, 4	4=2-0-0										
	Max Grav 3=86 (LC	1), 4=80 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD	1-4=-71/0, 2-3=-80/0 3-4=0/20	0, 1-2=-20/0										
NOTES												
<ol> <li>Gable requires continuous bottom chord bearing.</li> <li>Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).</li> <li>Gable studs spaced at 1-4-0 oc.</li> </ol>												
10-00-00 c	nd 2x6 strongbacks, c oc and fastened to eac 3") nails. Strongbacks							TH CA	RO			

at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Page: 1

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Job	Truss		Truss T	уре		Qty	Ply	61 Harnett	Lakes-2nd Flo	oor-Hampton B	
25010298-B	3 FW12	2	Floor S	upported Ga	ble	1	1	Joh Refere	nce (optional)		171076285
	nts (Sanford, NC), Sanfor					5 2024 Print: 8.	730 S Dec 5	-		ed Jan 29 12:19:37	Page: 1
	3х5 ш				ID:dZVALm41uE	MYfEDykLRnr_y	VUbT-RIC?P	sB70Hq3NSgF	²qnL8w3uITXbG	KWrCDoi7J4zJC?f	1-8 -
	1	2	3	4	5	6	7	8	9	1011	
1-2-0											
	3х5 и	20	19	18	17	16	15	14	13		:5 =
										0.	
					<u>12-4</u> 12-4						-
Scale = 1:25	X, Y): [21:Edge,0-1-8	1									
Loading	(psf)	Spacing	2-0-0		CSI	DEF		in (loc)	l/defl L/d	PLATES	GRIP
TCLL TCDL BCLL BCDL	40.0 10.0 5.0	Plate Grip DOL Lumber DOL Rep Stress Incr Code	1.00 1.00 YES	I/TPI2014	TC BC WB Matrix-MR	0.09 Vert( 0.03 Vert( 0.03 Horiz	LL) r TL) r	n/a - n/a - 00 12	n/a 999 n/a 999 n/a n/a	MT20 Weight: 54 lb	244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	IBER       4)       Gable studs spaced at 1-4-0 oc.         9 CHORD       2x4 SP No.2(flat)       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.         3S       2x4 SP No.3(flat)       (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.         HERS       2x4 SP No.3(flat) *Except* 12-22:2x4 SP No.2(flat)       6)         CAUTION, Do not erect truss backwards.       LOAD CASE(S)         Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.       Standard										
REACTIONS	14=12-4- 16=12-4- 18=12-4-	12, 13=12-4-12, 12, 15=12-4-12, 12, 17=12-4-12, 12, 19=12-4-12, 12, 21=12-4-12									
	20=12-4-12, 21=12-4-12 Max Grav 12=85 (LC 1), 13=161 (LC 1), 14=143 (LC 1), 15=148 (LC 1), 16=146 (LC 1), 17=147 (LC 1), 18=146 (LC 1), 19=150 (LC 1), 20=135 (LC 1), 21=69 (LC 1)										
FORCES	(lb) - Maximum Com Tension									mmm	1111
TOP CHORD	1-21=-60/0, 11-12=0 2-3=-16/0, 3-4=-16/0 6-7=-16/0, 7-8=-16/0 10-11=-1/0	), 4-5=-16/0, 5-6=							lin	OR SESS	ROUN
BOT CHORD	20-21=0/16, 19-20= 17-18=0/16, 16-17= 14-15=0/16, 13-14=	0/16, 15-16=0/16,								SEAI	
WEBS	2-20=-126/0, 3-19=- 5-17=-134/0, 6-16=- 8-14=-131/0, 9-13=-	135/0, 4-18=-133 133/0, 7-15=-134	/0, /0,							03632	
<ol> <li>Gable required</li> <li>Truss to be</li> </ol>	are 1.5x3 MT20 unless dires continuous botto e fully sheathed from o ainst lateral movemen	s otherwise indica m chord bearing. one face or secure	ted. ely						The second s	A. G. January	E.P

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 ANSUFTI 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)

AMITER A B18 Soundside Road Edenton, NC 27932

CO

Job	Truss		Truss Type	9		Qty	y Ply	61	Harnett	Lakes-2	2nd Flo	or-Hampton B	1740-0	
25010298-B	FW12	2A	Floor Sup	ported Ga	able	1	1	Job	Refere	nce (op	tional)		1710762	286
arter Components (Sar	nford, NC), Sanfo	ord, NC - 27332,										ed Jan 29 12:19:37 KWrCDoi7J4zJC?f		Page: 1
													0-1-8	
	3x5 u													
	1	2 3	3	4	5	6	7		8		9	10	11	
1-2-0	22 ****												23 0 12	1-2-0
	3x5 ∥	21 2	0	<u>*******</u> 19	18	17	16		15		14	13	3x5 =	
	1				12	2-10-0								
					12	2-10-0								
Scale = 1:25.7														
late Offsets (X, Y):		-					DEEL		(1)	1/1-6				
oading CLL CDL CLL	(psf) 40.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES		CSI TC BC WB	0.08 0.02 0.03	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 244/190	
CDL	5.0	Code	IRC2021/T	PI2014	Matrix-MR							Weight: 55 lb	FT = 20%	F 11%F

TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat) 10-00-00 oc and fastened to each truss with 3-10d BOT CHORD 2x4 SP No.3(flat) (0.131" X 3") nails. Strongbacks to be attached to walls WEBS 2x4 SP No.3(flat) at their outer ends or restrained by other means. OTHERS 6) CAUTION, Do not erect truss backwards. BRACING TOP CHORD LOAD CASE(S) Standard Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **REACTIONS** (size) 12=12-10-0, 13=12-10-0, 14=12-10-0, 15=12-10-0, 16=12-10-0, 17=12-10-0, 18=12-10-0, 19=12-10-0, 20=12-10-0, 21=12-10-0, 22=12-10-0 Max Grav 12=27 (LC 1), 13=113 (LC 1), 14=153 (LC 1), 15=145 (LC 1), 16=147 (LC 1), 17=147 (LC 1), 18=147 (LC 1), 19=147 (LC 1), 20=147 (LC 1), 21=148 (LC 1), 22=59 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension 1-22=-55/0, 11-12=-21/0, 1-2=-7/0, 2-3=-7/0, TOP CHORD 3-4=-7/0, 4-5=-7/0, 5-6=-7/0, 6-7=-7/0, 7-8=-7/0, 8-9=-7/0, 9-10=-7/0, 10-11=-7/0 21-22=0/7, 20-21=0/7, 19-20=0/7, 18-19=0/7, 17-18=0/7, 16-17=0/7, 15-16=0/7, 14-15=0/7, BOT CHORD 13-14=0/7, 12-13=0/7 WEBS 2-21=-133/0, 3-20=-134/0, 4-19=-133/0, 5-18=-133/0, 6-17=-133/0, 7-16=-134/0, 8-15=-132/0, 9-14=-138/0, 10-13=-107/0

#### NOTES

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

2) Gable requires continuous bottom chord bearing.

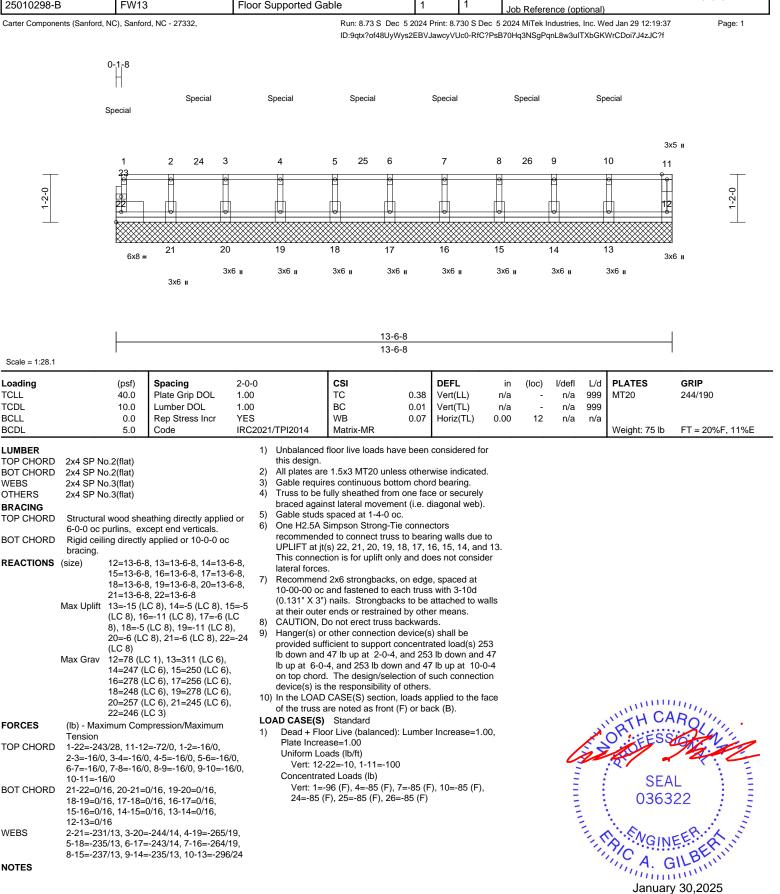
3) Truss to be fully sheathed from one face or securely

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



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Job	Truss	Truss Type	Qty	Ply	61 Harnett Lakes-2nd Floor-Hampton B	
25010298-B	FW13	Floor Supported Gable	1	1	Job Reference (optional)	171076287



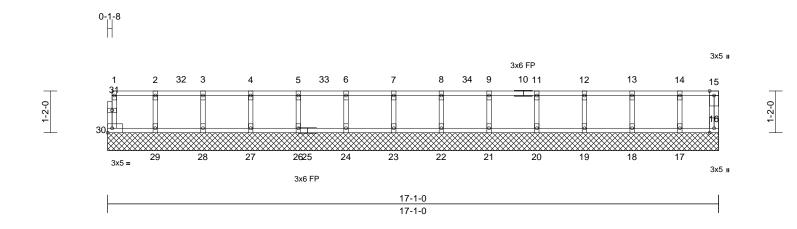
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

818 Soundside Road

Edenton, NC 27932

	Job	Truss	Truss Type G		Ply	61 Harnett Lakes-2nd Floor-Hampton B	
	25010298-B	FW17	Floor Supported Gable 1		1	Job Reference (optional)	171076288
Carter Components (Sanford, NC), Sanford, NC - 27332,			Run: 8.73 S Dec 5 2	024 Print: 8.7	730 S Dec 5	2024 MiTek Industries, Inc. Wed Jan 29 12:19:37	Page: 1

Run: 8.73 S Dec 5 2024 Print: 8.730 S Dec 5 2024 MiTek Industries, Inc. Wed Jan 29 12:19:37 ID:YnPWDxS\_S3UZae\_CtC1MQkyVUdZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale - 1.32.2

Scale = 1:32.2														
Loading TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	Rep Stress Incr	2-0-0 1.00 1.00 YES		CSI TC BC WB	0.45 0.02 0.08	<b>DEFL</b> 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	<b>GRIP</b> 244/190	
BCDL	5.0	Code	IRC202	1/TPI2014	Matrix-MR							Weight: 72 lb	FT = 20%F, 11%	E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc purlins, exe Rigid ceiling directly bracing. (size) 16=17-1-0 19=17-1-0 22=17-1-0 26=17-1-0	applied or 6-0-0 oc ), 17=17-1-0, 18=17-1 ), 20=17-1-0, 21=17-1 ), 23=17-1-0, 24=17-1 ), 27=17-1-0, 28=17-1	2) 3) 4) or 5) 6) -0, 7) -0, 7)	this design. All plates are Gable requirr Truss to be f braced again Gable studs One H2.5A S recommende UPLIFT at jt( does not com Recommend 10-00-00 oc (0.131" X 3")	floor live loads have a 1.5x3 MT20 unle es continuous bott ully sheathed from sist lateral moveme spaced at 1-4-0 of Simpson Strong-Ti ed to connect truss s) 30. This connec sider lateral forces 2x6 strongbacks, and fastened to er nails. Strongback	ss other on chor one fac ent (i.e. c c. e conne s to bear ction is f s. on edge ach truss ks to be	wise indicated d bearing. ee or securely liagonal web) ctors ing walls due or uplift only a a, spaced at s with 3-10d attached to w	to Ind						
	29=17-1-( Max Upliff 30=-15 (L Max Grav 16=44 (LC 18=149 (L 20=347 (L 22=271 (L 24=299 (L 27=317 (L 29=262 (L	8) 9) 10	CAUTION, D Hanger(s) or provided suff lb down at 2 at 6-0-12, 30 10-0-12, and design/selec responsibility	to not erect truss b other connection ficient to support c -0-12, 301 lb down 01 lb down at 8-0- 301 lb down at 1 tion of such conne	backward device(soncentra n at 4-0 -12, and 2-0-12 c ection de	ds. ated load(s) 3 -12, 301 lb do 301 lb down n top chord. vice(s) is the	wn at The							
FORCES	3-4=-5/4, 4-5=-5/4, 5	40/0, 1-2=-5/4, 2-3=- 5-6=-5/4, 6-7=-5/4, 9-11=-5/4, 11-12=-5/4,	5/4, <b>LC</b> 5/4, 1)	of the truss a DAD CASE(S) Dead + Floo Plate Increa Uniform Loa	are noted as front ( Standard or Live (balanced) ase=1.00	(F) or ba : Lumbe	ck (B).			4	A.	ORTH CA	ROUTIN	
BOT CHORD	29-30=-4/5, 28-29=- 26-27=-4/5, 24-26=- 22-23=-4/5, 21-22=- 19-20=-4/5, 18-19=- 16-17=-4/5	4/5, 23-24=-4/5, 4/5, 20-21=-4/5,		Vert: 4=-	ed Loads (lb) 146 (B), 7=-146 (E 146 (B), 34=-146 (		46 (B), 32=-1	46		THE OWNER		SEA 0363	•	
WEBS		, , ,	0								in the	A C A. C	EER.X	
NOTES													/ 30,2025	

SINEEDING

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