

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 21040027-C 103 Carolina Lakes-2nd Floor-Aurora

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: I46179712 thru I46179726

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



May 19,2021

Sevier, Scott

**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	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F200	Floor Supported Gable	1	1	Job Reference (optional)	146179712

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:09 ID:5Xt13Cut6rL11dMwYh?8szzd4qs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



# TRUSS IS NOT DESIGNED TO SUPPORT CONCENTRATED LOADS AT ITS CANTILEVERED END(S).

Page: 1

Scale = 1:59.4

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	0.24	Vert(LL)	n/a		- n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.21	Vert(TL)	n/a		- n/a	999		
BCLL		0.0	Rep Stress Incr	NO		WB	0.06	Horiz(TL)	0.00	32	2 n/a	n/a		
BCDL		5.0	Code	IRC2018	8/TPI2014	Matrix-MR							Weight: 152 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD	2x4 SP N 2x4 SP N	o.2(flat) o.2(flat)		FC TC	DRCES	(lb) - Maximum Cor Tension 31-61=-40/0, 61-62	npressi =-40/0,	on/Maximum 30-62=-40/0,		5) N	/A			
WEBS	2x4 SP N	o.3(flat)				60-63=-104/0, 1-63	=-104/0	, 1-2=0/12,						
OTHERS	2x4 SP N	o.3(flat)				2-3=0/12, 3-4=0/12	, 4-5=0/	12, 5-6=0/12,		6) N	on Standa	ard bea	aring condition. R	eview required.
BRACING TOP CHORD BOT CHORD	Structura 10-0-0 oc Rigid ceil bracing.	l wood shea purlins, ex ing directly	athing directly applie cept end verticals. applied or 6-0-0 oc	d or		6-7=0/12, 7-8=0/12 10-11=0/12, 11-12= 13-14=0/12, 14-15= 16-17=0/12, 17-18= 19-20=0/12, 20-21= 22-23=0/12, 23-24=	, 8-9=0/ =0/12, 1 =0/12, 1 =0/12, 1 =0/12, 2 =0/12, 2	(12, 9-10=0/12) 2-13=0/12, 5-16=0/12, 8-19=0/12, 1-22=0/12, 4-25=0/12,	,	7) T Ir R 8) L d c	his truss is aternationa 802.10.2 bad case( esigner m prrect for t	s desig al Resi and rei s) 1 ha ust rev he inte	ned in accordance dential Code sect ferenced standarce as/have been moor view loads to verifiended use of this	e with the 2018 ions R502.11.1 and J ANSI/TPI 1. dified. Building y that they are truss.
REACTIONS	(size) Max Uplift Max Grav	$\begin{array}{l} 32 = 33 - 11 \\ 34 = 33 - 11 \\ 36 = 33 - 11 \\ 40 = 33 - 11 \\ 42 = 33 - 11 \\ 42 = 33 - 11 \\ 45 = 33 - 11 \\ 45 = 33 - 11 \\ 54 = 33 - 11 \\ 54 = 33 - 11 \\ 54 = 33 - 11 \\ 56 = 33 - 11 \\ 56 = 33 - 11 \\ 56 = 33 - 11 \\ 60 = 33 - 11 \\ 56 = 33 - 11 \\ 60 = 33 - 11 \\ 56 = 33 - 11 \\ 60 = 33 - 11 \\ 56 = 33 - 11 \\ 56 = 33 - 11 \\ 56 = 33 - 11 \\ 60 = 33 - 11 \\ 56 = 33 - 11 \\ 60 = 33 - 11 \\ 56 = 253 \ (L \\ 45 = 253 \ (L \\ 51 = 253 \ (L \\ 51 = 253 \ (L \\ 54 = 253 \ (L \\ 58 = 238 \ (L \\ 56 = 252 \ (L \\ 58 = 238 \ (L \\ 60 = 98 \ (L \\ 56 = 58 - 238 \ (L \\ 58 -$	0, $33=33-11-0$ , 0, $35=33-11-0$ , 0, $37=33-11-0$ , 0, $37=33-11-0$ , 0, $41=33-11-0$ , 0, $44=33-11-0$ , 0, $46=33-11-0$ , 0, $46=33-11-0$ , 0, $48=33-11-0$ , 0, $52=33-11-0$ , 0, $55=33-11-0$ , 0, $57=33-11-0$ , 1, $44=253$ (LC 1) C 3), $37=253$ (LC 1) C 3), $41=253$ (LC 1) C 3), $41=253$ (LC 1) C 3), $52=253$ (LC 1) C 3), $52=253$ (LC 1) C 3), $55=254$ (LC 1) C 3), $57=258$ (LC 1) C 3), $57=258$ (LC 1) C 3), $59=315$ (LC 1) C 3), $59=315$ (LC 1) C 3), $59=315$ (LC 1)	BC WI , , , , , , , , , , , , , , , , , ,	DT CHORD EBS Unbalanced this design. All plates ar Truss to be braced agai Gable studs	25-26=0/12, 26-27= 28-29=0/12, 29-30= 59-60=-12/0, 58-59 56-57=-12/0, 55-56 53-54=-12/0, 52-53 50-51=-12/0, 49-50 47-48=-12/0, 40-41 48-39=-12/0, 40-41 38-39=-12/0, 37-38 35-36=-12/0, 34-35 32-33=-12/0, 31-32 29-32=-258/0, 28-3 20-35=-239/0, 25-3 22-38=-240/0, 13-4 10-45=-240/0, 15-4 13-48=-240/0, 15-4 13-48=-240/0, 15-6 3-58=-230/0, 2-59= floor live loads hav e 1.5x3 MT20 unles fully sheathed from nst lateral movemer spaced at 1-4-0 oc	=0/12, 2 =0/12, 2 =0/12 =-12/0, =-12/0, =-12/0, =-12/0, =-12/0, =-12/0, =-12/0, =-12/0, 3=-106, 6=-240, 9=-240, 2=-240, -239/0, -279/0 e been s other one fact	7-28=0/12, 57-58=-12/0, 54-55=-12/0, 51-52=-12/0, 45-46=-12/0, 42-43=-12/0, 39-40=-12/0, 33-34=-12/0, 33-34=-12/0, 43, 27-34=-240 (0, 20-40=-240 (0, 10-50=-240 7-54=-240/0, 4-57=-243/0, considered for wise indicated. the or securely iagonal web).	7/0, /0, /0, /0, /0,	9) R 11 ((( a 10) C LOAI 1)	ecommer 0-00-00 o 0.131" X 3 t their oute AUTION, <b>0 CASE(S</b> Dead + FI Plate Incr Uniform L Vert: 31	d 2x6 c and f ") nails Do noi ) Statoor Liv aase=1 ooads (I -60=-1	strongbacks, on e astened to each t s. Strongbacks to s or restrained by t erect truss back indard re (balanced): Lur 1.00 lb/ft) 10, 1-30=-180 SEA 0449 SEA	Adge, spaced at russ with 3-10d be attached to walls other means. wards. nber Increase=1.00,

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Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F201	Floor	5	1	Job Reference (optional)	146179713

3x5 II

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

2-6-0

3x5=

2

6-2-12

6-2-12

0-1-8

3x5 🛛

4x8=

3<u>1</u>

35

1-4-0

2-0-0

0-8-12

3x5=

4

34 33

8-2-12 7-2-12

, 1-0-0

1-0-0

4x5=

H

3 4 0-9-0

5

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2-0-0

0-10-0

-

3x6 FP

18

24

3x8=

33-9-4

8-8-4

3x5=

0-10-4

H

Page: 1

0-1-8

Н

1-4-0

0-9-0

3x6= 20 21

23

3x6=

3x5= 34-11-0 34-9-8 33-11-0

 $\parallel$ 0-1-12 0-10-8

0-1-8

38 ₩22

3x6=

19

3x5= 3x6 FP 3x8= 4x8= 3x6 FP 4x5= 6 9 10 13 14 15 16 17 7 8 1112 8 29 32 31 30 28 27 26 25 3x8= 3x6 FP 5x10= 4x5= 3x5= 3x10= MT20HS 3x8 FP 25-1-0 24-1-0 23-1-0 14-4-4 6-1-8 8-8-12 1-0-0 1-0-0

Scale = 1:59.4

Plate Offsets (2	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [25:0	)-1-8,Edge	e], [26:0-1-8,Ec	lge], [35:Edge,0-1-	8]								
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 IRC2018	8/TPI2014	CSI TC BC WB Matrix-MSH	0.97 0.94 0.89	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.30 -0.39 -0.06	(loc) 24-25 24-25 35	l/defl >786 >593 n/a	L/d 480 360 n/a	PLATES MT20HS MT20 Weight: 179 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.1(flat) *E: No.2(flat), 12-17:2x4 2x4 SP No.1(flat) *E: No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood sha	xcept* 21-17:2x4 SP SP 2400F 2.0E(flat) xcept* 27-30:2x4 SP	W	EBS	20-23=-365/0, 15-2 14-26=-565/0, 9-29 4-33=-346/0, 20-22 19-24=0/1259, 18-2 16-25=-445/274, 8- 5-31=-95/200, 5-31 2-34=-120/584, 3-3 10-29=-2489/0, 10- 13-28=-1156/0, 13-	5=-187/ =-279/0 =0/220, 24=-255 29=-198 =-1000/ 4=-369/ 28=0/18 26=0/8	/290, 19-23=-1909 /0, 16-24=-53 85/0, 8-31=0/ /0, 2-35=-130 /0, 4-34=0/67 363, 11-28=-2 54	, 30/0, 30/0, 1315, 5/0, 0, 277/0,		Vert: 21	=-160	(F), 1=-1500 (F=-	1340)	
	6-0-0 oc purlins, exc	cept end verticals.	a or N(											
BOT CHORD	Rigid ceiling directly bracing.	applied or 6-0-0 oc	1)	Л										
REACTIONS	bracing.       this design.         5 (size)       23=0-3-8, 29=0-3-8, 35=0-3-8         Max Grav       23=1220 (LC 4), 29=2217 (LC 3), 35=2168 (LC 5)         Max Grav       23=1220 (LC 4), 29=2217 (LC 3), 35=2168 (LC 5)													
FORCES	(lb) - Maximum Com Tension	pression/Maximum		R802.10.2 a	nd referenced stan	dard AN	ISI/TPI 1.	nd						
TOP CHORD	22-36=-192/0, 36-37 35-38=-1604/0, 1-38 2-3=-1797/74, 3-4=- 5-6=-1427/650, 6-7= 7-8=-1427/650, 8-9= 10-11=-1934/0, 11-1 12-13=-1934/0, 13-1 14-15=-3212/0, 15-1 16-17=-2793/0, 17-1 18-19=-2793/0, 19-2 34-35=0/1268, 33-34 32-33=-348/1712, 31 30-31=-1222/467, 25 28-29=-515/325, 27- 26-27=0/2908, 25-26 23-24=0/1659, 22-23	<ul> <li>International Residential Code sections RSU2.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.</li> <li>(0, 36-37=-192/0, 21-37=-192/0, 4/0, 1-38=-1602/0, 1-2=-83/0, 74, 3-4=-1797/74, 4-5=-1712/348, 550, 6-7=-1427/650, 550, 8-9=0/2397, 9-10=0/2397, 4/0, 11-12=-1934/0, 4/0, 11-12=-1934/0, 4/0, 11-12=-1934/0, 4/0, 13-14=-3212/0, 2/0, 15-16=-3210, 1-21=-100, 2/0, 2/0, 15-16=-100, 2/0, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2/0, 15-16=-100, 2</li></ul>										ROLL 25 SEVIEN		

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Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F202	Floor	1	1	Job Reference (optional)	l46179714

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:12 ID:CsxXE8Pk32sCnjSHqLIIN1zd4sn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 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	0.97	Vert(LL)	-0.30	24-25	>786	480	MT20	244/190
TCDL		10.0	Lumber DOL	1.00		BC	0.93	Vert(CT)	-0.39	24-25	>596	360	MT20HS	187/143
BCLL		0.0	Rep Stress Incr	NO		WB	0.88	Horz(CT)	-0.06	35	n/a	n/a		
BCDL		5.0	Code	IRC20	18/TPI2014	Matrix-MSH							Weight: 179 lb	FT = 20%F, 11%E
	2x4 SP N	o 1(flat) *F	xcent* 21-17:2x4 SP	V	VEBS 2	20-23=-441/0, 15-2  4-26=-561/0, 9-29	25=-191 )=-279/0	/287, ). 5-32=0/325			Vert: 21	=-160	(F), 1=-1500	
BOT CHORD	No.2(flat), 2x4 SP N	, 12-17:2x4 o.1(flat) *E	SP 2400F 2.0E(flat) xcept* 27-30:2x4 SP		2	1-33=-345/0, 20-22 19-24=0/1264, 18-2	2=0/264 24=-255	19-23=-1911 /0, 16-24=-53	, /0, 84/0,					
	No.2(flat)	. ,	·		1	16-25=-440/280, 8·	-29=-19	84/0, 8-31=0/	1314,					
WEBS	2x4 SP Ń	o.3(flat)			e	6-31=-95/199, 5-31	I=-999/0	), 2-35=-1306	/0,					
OTHERS	2x4 SP N	o.3(flat)			2	2-34=-119/585, 3-3	34=-369	/0, 4-34=0/66	9,					
BRACING		( )			1	10-29=-2484/0, 10·	-28=0/1	858, 11-28=-2	277/0,					
TOP CHORD	Structural	l wood she	athing directly applied	lor	1	13-28=-1151/0, 13·	-26=0/8	49						
	6-0-0 oc r	ourlins, ex	cept end verticals.	N N	IOTES									
BOT CHORD	Rigid ceili bracing.	ing directly	applied or 6-0-0 oc	1	) Unbalanced this design.	floor live loads hav	ve been	considered fo	or					
REACTIONS	(size) Max Grav	23=0-3-8, 23=1297 35=2168	29=0-3-8, 35=0-3-8 (LC 4), 29=2214 (LC 3 (LC 5)	2 3), 3 4	<ul> <li>All plates are</li> <li>All plates are</li> <li>This truss is</li> </ul>	MT20 plates unle 1.5x3 MT20 unles designed in accord Residential Code	ss other ss other dance w	wise indicated wise indicated ith the 2018	d. J.					
FORCES	(lb) - Max Tension	imum Com	pression/Maximum		R802.10.2 ar	nd referenced stan	dard AN	ISI/TPI 1.	nu					
TOP CHORD	22-36=-22 35-38=-10 2-3179	26/0, 36-37 604/0, 1-38 8/73 - 3-4	′=-226/0, 21-37=-226/ /=-1602/0, 1-2=-83/0, 1798/73, 4-51713/3	0, <sup>5</sup> 46	) Load case(s) designer must correct for the	1 has/have been st review loads to v e intended use of t	modifie verify the this trus	d. Building at they are s.						
BOT CHORD	2 0- 1132 5-6=-1429 7-8=-1429 10-11=-19 14-15=-33 16-17=-27 18-19=-27 34-35=0/ 32-33=-33 30-31=-12 28-29=-5 26-27=0/2 23-24=0/7	9/648, 6-7= 9/648, 8-9= 929/0, 11-1 929/0, 13-1 199/0, 15-1 772/0, 17-1 772/0, 17-2 1269, 33-3- 46/1713, 3 220/469, 29 17/323, 27- 2899, 25-20 1634, 22-20	-1429/648, -0/2394, 9-10=0/2394 2=-1929/0, 4=-3199/0, 6=-3199/0, 8=-2772/0, :0=0/162, 20-21=0/0 4=-346/1713, 1-32=-346/1713, 9-30=-1220/469, 28=0/2889, 6=0/3199, 24-25=0/32 3=-162/0	9 252, L	<ul> <li>Recommend 10-00-00 cc. (0.131" X 3") at their outer</li> <li>CAUTION, D</li> <li>Hanger(s) or provided suff lb down at 3 of such conn others.</li> <li>In the LOAD of the truss a OAD CASE(S)</li> <li>Dead + Floor Plate Increa Uniform Loa Vert: 22-5 Concentrate</li> </ul>	2x6 strongbacks, and fastened to ea nails. Strongback ends or restrained to not erect truss b other connection of icient to support or 4-8-12 on top chor ection device(s) is CASE(S) section, re noted as front ( Standard or Live (balanced): ise=1.00 ads (lb/ft) 35=-10, 1-20=-100 ed Loads (lb)	on edge ach truss (s) to be d by othe ackward, device(s) oncentra rd. The the resp loads a F) or ba Lumbe	<ul> <li>e), spaced at s with 3-10d attached to w attached to w ar means.</li> <li>ds.</li> <li>ds) shall be ated load(s) 11 design/select ponsibility of opplied to the f ck (B).</li> <li>r Increase=1.1</li> <li>=-180 (F=-80)</li> </ul>	alls 60 ion ace 00,		Annual Contraction		SEA 0449	ROLINE L 25 SEVIEN

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F203	Floor	2	1	Job Reference (optional)	146179715

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:13 ID:IdrtcvI4TgIfo3U\_8GZaujzd4nm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

0-1-8

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3x5 II

19

818 Soundside Road Edenton, NC 27932

1-4-0

0-10-4 0-10-0 2-6-0 2-0-0 L \_  $\vdash$ -0-1-8 0-8-12 0-9-0 2-0-0 H 3x5 II 3x5= 3x5= 3x5= 3x6 FP 3x8= 3x5 II 4x8= 4x5= 3x5 = 3x6= 3x6 FP 3 4 6 1112 13 14 15 16 17 2 5 8 9 10 18 7 34 1-4-0  $\approx$ k Ĵ٨ 32 ₿ ∦ 26 27 25 31 30 28 24 23 22 21 29



Scale = 1:57.8

Plate Offsets ()	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [20:E	dge,0-1-	3], [22:0-1-8,Ec	lge], [23:0-1-8,Edge	e], [32:E	dge,0-1-8]							
<b>Loading</b> TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.97 0.94 0.90	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.29 -0.40 -0.06	(loc) 21-22 21-22 32	l/defl >801 >588 n/a	L/d 480 360 n/a	PLATES MT20 MT20HS Weight: 171 lb	<b>GRIP</b> 244/190 187/143 FT = 20%F,	11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES	2x4 SP No.1(flat) *E: 2400F 2.0E(flat) 2x4 SP No.1(flat) *E: No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 20=0-3-8, Max Grav 20=2436 ( 32=2167 ( (lb) - Maximum Com	xcept* 19-12:2x4 SP xcept* 24-27:2x4 SP athing directly applied cept end verticals. applied or 6-0-0 oc 26=0-3-8, 32=0-3-8 (LC 4), 26=2230 (LC - (LC 3) pression/Maximum	W or N( 1) 2) 3) 1), 4)	EBS EBS Unbalanced this design. All plates are All plates are This truss is International R802.10.2 at	15-22=-171/307, 14 5-29=0/327, 4-30=2 3-28=0/1314, 6-28 18-20=-1938/0, 18-2 16-21=-482/0, 16-22 2-32=-1303/0, 2-31= 1-31=0/670, 10-26 11-25=-278/0, 13-22 floor live loads have MT20 plates unles 1.5x3 MT20 unless 1.5x3 MT20 unless designed in accord Residential Code s of referenced stance	-23=-54 346/0, 8 -95/199 21=0/12 2=-476/5 -2519/( 5=-118 e been as other as other ance w ections dard AN	36/0, 9-26=-21 36/0, 9-26=-21 36-26=-1984/0, 3, 5-28=-1001 227, 17-21=-2 243, 82, 3-31=-364 0, 10-25=-0/18 0, 10-25=-0/18 0, 10-25=-0/18 0, 10-25=-0/18 0, 10-25=-0/18 considered fo wise indicated wise indicated wise indicated ith the 2018 R502.11.1 an ISI/TPI 1. 4 Building	80/0, /0, /51/0, 9/0, 94, 888 r d. t. t. nd						
TOP CHORD	Tension 20-33=-1606/0, 19-3 32-34=-1604/0, 1-34 2-3=-1792/75, 3-4=- 5-6=-1418/652, 6-7= 7-8=-1418/652, 8-9= 10-11=-1989/0, 13-1 12-13=-1989/0, 13-1 16-17=-2954/0, 15-1 16-17=-2954/0, 15-1 16-17=-2954/0, 17-1 31-32=0/1266, 30-31 29-30=-348/1705, 22 27-28=-1224/456, 20 25-26=-501/351, 24- 23-24=0/2992, 22-23 20-21=0/1844	3=-1604/0, =-1602/0, 1-2=-83/0, 1792/75, 4-5=-1705/3 -1418/652, :0/2396, 9-10=0/2396, 2=-1989/0, 4=-3316/0, 8=-2954/0, 18-19=-83 1=-348/1705, 3-29=-348/1705, 3-29=-348/1705, 25=0/2992, 3=0/3316, 21-22=0/33	3, 48, 6) , 7) 8) 3/0 9) 889, L( 1)	correct for th Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, D Hanger(s) or provided suff Ib down at 3 chord. The o (s) is the resp In the LOAD of the truss a <b>DAD CASE(S)</b> Dead + Floo Plate Increa Uniform Loc Vert: 20- Concentrate Vert: 19=	treview loads to w e intended use of th 2x6 strongbacks, c and fastened to ear nails. Strongbacks ends or restrained o not erect truss ba other connection d icient to support co 3-8-12, and 1340 lk lesign/selection of s oonsibility of others CASE(S) section, I re noted as front (F Standard or Live (balanced): ase=1.00 ads (lb/ft) 32=-10, 1-19=-100 ed Loads (lb) -1500 (F), 1=-1500	erify this truss on edge th truss is to be by othe oby othe evice(s ncentra o down o down o back are o adds an o back are o adds an o back are o back are o back are o back are o back are o back are o back are o back are o back are o back are	at they are s. a, spaced at with 3-10d attached to with s. ) shall be ted load(s) 1! at 0-2-4 on to nnection devi oplied to the fa- ck (B). r Increase=1.0 440)	alls 500 pp cce ace 00,		C Contraction	Rui o	SEA 0449 WGIN May	ROUTE 25 5EVIL 19,2021	Ramming

Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F204	Floor Girder	1	1	Job Reference (optional)	146179716

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:14 ID:nd\_YXhwiEfrG12TzBBUm?hzd4my-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



#### Scale = 1:57.8

Plate Offsets (2	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [9:0-	3-0,Edge],	[10:0-3-0,Edg	ge], [19:Edge,0-1-8]	, [24:0-	3-0,Edge]							
L <b>oading</b> TCLL TCDL 3CLL 3CDL	(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 IRC2018	3/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.93 0.97 0.78	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.28 -0.43 0.05	(loc) 20-21 20-21 19	l/defl >837 >545 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20HS MT20 Weight: 184 lb	<b>GRIP</b> 187/143 244/190 FT = 20%F	, 11%E
LUMBER TOP CHORD BOT CHORD WEBS DTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP 2400F 2.0E(f SP No.2(flat) 2x4 SP No.1(flat) *E: 2400F 2.0E(flat) 2x4 SP No.3(flat) *E: 24-9,20-17,24-9:2x4 2x4 SP No.3(flat) Structural wood shea 5-4-6 oc purlins, exc Rigid ceiling directly bracing. (size) 19=0-3-8, Max Grav 19=2810 ( 31=2077 (	flat) *Except* 9-11:2: xcept* 22-19:2x4 SP xcept* SP No.2(flat) athing directly applie cept end verticals. applied or 6-0-0 oc 25=0-3-8, 31=0-3-8 (LC 7), 25=3157 (LC (LC 3)	WF K4 NC d or 1) 2) 3) 4) 8), 5)	TES Unbalanced this design. All plates are This truss is International R802.10.2 ai	4-29=-405/0, 5-28=( 3-25=-2328/0, 8-27= 5-27=-1268/0, 2-31= 2-30=-281/381, 3-3( 10-24=-1837/0, 9-24 17-20=0/2157, 16-2 15-21=-556/0, 13-2* 12-23=-1821/0, 11-2 floor live loads have e MT20 plates unless designed in accord Residential Code s not referenced stance	D/385, 9 =0/1499 =-1085, D=-469, 4=0/42, 0=-6800 1=-233, 23=-35, e been s other s other ance we ections lard AN	9-25=-2218/0, 5, 6-27=-18/29 167, 0, 4-30=0/942 29, 17-19=-28 /0, 15-20=-49 0, 12-21=0/11 111, 10-23=0, considered for wise indicated twise indicated the 2018 R502.11.1 ar ISI/TPI 1.	90, 2, 16/0, 7/36, 195, /1232 r d. nd	1) De Pla Ur Co	ead + Flo ate Incre niform Lo Vert: 19 oncentra Vert: 1= 16=-165	oor Live ease=1 bads (II -31=-1 ted Lo: -1500 9 (F), 3	e (balanced): Lun .00 b/ft) 0, 1-18=-100 ads (lb) (F=-1340), 18=-1 4=-70 (F), 35=-57	500 (F=-1340 70 (F), 36=-15	=1.00, )), }3 (F)
FORCES	(lb) - Maximum Com Tension 31-32=-1605/0, 1-32 19-33=-1611/0, 18-3 2-3=-1414/377, 3-4= 4-5=-1174/772, 5-6= 6-7=-737/1197, 7-8= 9-34=-816/0, 34-35= 10-11=-1927/0, 11-1 12-13=-4535/0, 13-1 14-15=-4535/0, 15-3 16-36=-4592/0, 16-1 30-31=-123/1069, 25 28-29=-772/1174, 27 26-27=-1919/0, 25-2 24-25=-3425/0, 23-2 22-23=0/3508, 21-22 19-20=0/2641	<ul> <li>(-2-5)</li> <li>(-2-5)</li> <li>(-2-5)</li> <li>(-2-5)</li> <li>(-2-5)</li> <li>(-3-1609/0, 1-2=-83/- (-1414/377,737/1197, 8-9=0/36</li> <li>(-3-737/1197, 8-9=0/36</li> <li>(-3-1197, 9/0, 10-3508, 20-21=0/4</li> </ul>	5) 0, 6) 69, 7) 0, 8) 33/0 9) 10 984, 11 LC	Load case(s) designer mu correct for th Recommend 10-00-00 oc (0.131" X 3") at their outer CAUTION, E Use MiTek M nails into Tru max. starting connect truss Fill all naih hd Hanger(s) or provided suff Ib down at 3 chord. The d (s) is the res ) In the LOAD of the truss a AD CASE(S)	1 has/have been not review loads to we intended use of the 2x6 strongbacks, can and fastened to ead nails. Strongbacks ends or restrained bo not erect truss bats/1422 (With 10d r rss) or equivalent spats) or equivale	nodified rify this is trus: n n edge th truss to be by other ckware rails int by other ckware rails int by other ckware rails int by other s in correvice (s ncentra o down such cc- bads al ) or ba	<ol> <li>Building at they are s.</li> <li>spaced at with 3-10d attached to wa er means.</li> <li>o Girder &amp; 6-1 tt 10-10-8 oc d to 28-10-4 to ord.</li> <li>ord.</li> <li>ord.</li> <li>shall be ted load(s) 13 at 0-2-4 on to nnection devii</li> <li>oplied to the fack (B).</li> </ol>	alls Od to per. 340 pp ce ace		Contraction of the second s		SEA 0449	ROLIN L 25 SEVIL	A AMANINI IN

818 Soundside Road Edenton, NC 27932

May 19,2021

Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F205	Floor	1	1	Job Reference (optional)	146179717

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:14 ID: kKf07 ErFsDMh2n7qFg1ubXzd4yg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff



Scale = 1:35.2

## Plate Offsets (X, Y): [4:0-1-8,Edge], [5:0-1-8,Edge], [14:Edge,0-1-8]

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 IRC2018	3/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.56 0.92 0.44	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.17 -0.04	(loc) 11-12 11-12 14	l/defl >999 >986 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 75 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E	=
LUMBER TOP CHOF BOT CHOF WEBS DTHERS BRACING TOP CHOF	<ul> <li>RD 2x4 SP No.2(flat)</li> <li>RD 2x4 SP No.2(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)</li> <li>RD Structural wood she 6-0-0 oc purlins, exit</li> <li>RD Rigid ceiling directly broging</li> </ul>	athing directly applie cept end verticals. applied or 10-0-0 oc	5) 6) ed or <b>LO</b> 1)	Hanger(s) or provided suff lb down at 0 such connec In the LOAD of the truss a <b>AD CASE(S)</b> Dead + Floo Plate Increa	other connection of icient to support of -2-4 on top chord. tion device(s) is th CASE(S) section, re noted as front (I Standard or Live (balanced): ase=1.00 ads (Ih/ft)	device(s oncentra The de e respor loads ap F) or ba Lumber	) shall be tted load(s) 1 sign/selection sibility of oth oplied to the ck (B).	160 n of hers. face .00,						
REACTION	IS (size) 9=0-3-8, 1 Max Grav 9=784 (LC	14=0-3-8 C 1), 14=2271 (LC 1)	)	Vert: 9-1- Concentrate	4=-10, 1-8=-100 ed Loads (lb)									
FORCES	(lb) - Maximum Com Tension	pression/Maximum		Vert: 1=-	1500 (F=-160)									
TOP CHOF	RD 9-15=-102/0, 8-15=- 1-16=-1601/0, 1-2=- 3-4=-2228/0, 4-5=-2 6-7=-2206/0, 7-8=-5	102/0, 14-16=-1603/ 83/0, 2-3=-2228/0, 313/0, 5-6=-2206/0, /0	/0,											
BOT CHOF	RD 13-14=0/1491, 12-13 10-11=0/2313, 9-10=	3=0/2313, 11-12=0/2 =0/1442	2313,											
WEBS	5-11=-127/103, 4-12 7-10=0/845, 6-10=-2 2-14=-1550/0, 2-13= 4-13=-454/153	2=-139/98, 7-9=-158 231/79, 5-10=-470/12 0/815, 3-13=-237/80	1/0, 24, ),								1.3	TH CA	Ro	
											1	A	·	
I) Unbala this des	nced floor live loads have sign.	been considered fo	r								1	O'. OFESS	ON A ST	
2) This tru Interna R802.1	iss is designed in accorda tional Residential Code so 0.2 and referenced stand	ance with the 2018 actions R502.11.1 ar ard ANSI/TPI 1.	nd									SEA	L	
<ol> <li>Load ca designer correct</li> </ol>	ase(s) 1 has/have been m er must review loads to ve for the intended use of th	nodified. Building prify that they are is truss.										0449	25	

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.



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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F206	Floor Girder	1	1	Job Reference (optional)	146179718

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:15 ID:Fd7CRTYJ\_dPuG1RzE6Qz6fzd4m8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



818 Soundside Road Edenton, NC 27932



Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F207	Floor	6	1	Job Reference (optional)	146179719

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:15 ID:OwwzC9CR070a1FrPSG3hHezd4yD-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Plate Offsets (2	X, Y): [4:0-1-8,Edge],	[5:0-1-8,Edge], [24:0	0-1-8,Edg	e], [25:0-1-8,Ec	lge], [32:Edge,0-1-8	3]								
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 IRC201	8/TPI2014	<b>CSI</b> TC BC WB Matrix-MSH	0.69 0.76 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 0.03	(loc) 30-31 30 26	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 163 lb	<b>GRIP</b> 244/190 FT = 20%F, 1	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) *E) No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood shea 6-0-0 oc purlins, exc Rigid ceiling directly bracing. (size) 20= Mech 26=0-3-8, Max Grav 20=388 (L	xcept* 27-32:2x4 SP athing directly applie cept end verticals. applied or 6-0-0 oc anical, 23=0-3-8, 32=0-3-8 C 4), 23=1028 (LC 4	Ni 1) 2) 3) 4) 4) 6) 4),	OTES Unbalanced this design. All plates are Refer to gird This truss is International R802.10.2 ar Load case(s) designer mus correct for th Recommend 10-00-00 oc (0.131" X 3")	floor live loads have a 3x5 MT20 unless er(s) for truss to tru designed in accord Residential Code s and referenced stand 1 has/have been r st review loads to v e intended use of tl 2x6 strongbacks, and fastened to ear nails. Strongbacks	e been otherwi ss conr ance w sections dard AN modifiee erify tha nis trus on edge ch trus s to be	considered fo se indicated. hections. ith the 2018 s R502.11.1 ai SI/TPI 1. d. Building at they are s. e, spaced at s with 3-10d attached to with	r nd alls						
FORCES	Max Grav 20=386 (LC 4), 23=1028 (LC 4), 26=1382 (LC 3), 32=2197 (LC 5) (lb) - Maximum Compression/Maximum Tension 19-20=-105/0, 32-33=-1603/0, 1-33=-1601/0, 1-2=-83/0, 2-3=-1916/0, 3-4=-1916/0, 4-5=-1879/0, 5-6=-1645/0, 6-7=-1645/0, 7-8=-1645/0, 8-9=-0/980, 9-10=0/980, 10-11=-355/517, 11-12=-355/517, 12-13=-355/517, 13-14=0/814, 14-15=0/814, 15-16=0/814, 16-17=-501/150.			CAUTION, D Hanger(s) or provided suff lb down at 0 such connec In the LOAD of the truss a <b>DAD CASE(S)</b> Dead + Floo Plate Increa	to not erect truss be other connection d cicient to support co -2-4 on top chord. tion device(s) is the CASE(S) section, I are noted as front (F Standard or Live (balanced): ase=1.00	Lumbe	r Increase=1.0 sign/selection nsibility of oth pplied to the fa- ck (B).	60 of ers. ace 00,			N	TH CA	RO	
BOT CHORD	17-18=-501/150, 18- 31-32=0/1331, 30-31 28-29=0/1879, 27-28 26-27=-33/738, 25-2 24-25=-517/355, 23- 22-23=-506/0, 21-22	19=0/0 1=0/1879, 29-30=0/1 3=-33/738, 6=-590/299, 24=-494/304, =-506/0, 20-21=-14/	879, 567	Uniform Loa Vert: 20-3 Concentrate Vert: 1=-	ads (lb/ft) 32=-10, 1-19=-100 ed Loads (lb) 1500 (F=-160)						8ª	O FESS SEA	Sent	
WEBS	12-24=-120/66, 11-2 4-30=-214/0, 9-26=-2 18-21=-169/0, 17-21 8-26=-1706/0, 8-28= 5-28=-635/0, 16-23= 13-24=-58/165, 2-32 3-31=-268/16, 4-31= 10-25=0/365, 15-23=	5=-296/0, 5-29=-20/ 281/0, 18-20=-624/1 =-254/0, 16-21=0/87 0/1049, 6-28=-184/1 -658/0, 13-23=-780/ =-1374/0, 2-31=0/64 -204/308, 10-26=-85 =-202/0	191, 5, 77, 102, 0, 47, 31/0,							11111	Sur	0449	ER. IA	unnu.

May 19,2021



Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F208	Floor	3	1	Job Reference (optional)	146179720

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:16 ID:pG35s3e8ka15s?Wfc?bSrgzd4pv-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:54.1

Plate Offsets (X, Y	(): [4:0-1-8,Edge],	[5:0-1-8,Edge], [24	:0-1-8,Edge], [25:0-1-8,E	Edge], [32: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	0.69	Vert(LL)	-0.12	30-31	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.16	30	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.03	26	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 163 lb	FT = 20%F, 11%E
			NOTES									

LUMBER
TOP CHORD
BOT CHORD

WEBS

#### NOTES

- 1) Unbalanced floor live loads have been considered for
- this design.
- All plates are 3x5 MT20 unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
   This truss is designed in accordance with the 2018
- OTHERS 2x4 SP No.3(flat) 4) BRACING TOP CHORD Structural wood sheathing directly applied or 5) 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 6) REACTIONS (size) 20= Mechanical, 23=0-5-8, 26=0-3-8, 32=0-3-8 Max Grav 20=395 (LC 4), 23=1024 (LC 4), 26=1381 (LC 3), 32=2196 (LC 5) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 19-20=-105/0, 32-33=-1603/0, 1-33=-1601/0, 1-2=-83/0, 2-3=-1914/0, 3-4=-1914/0, 4-5=-1876/0, 5-6=-1642/0, 6-7=-1642/0, 9) 7-8=-1642/0, 8-9=0/985, 9-10=0/985, 10-11=-345/526, 11-12=-345/526, 12-13=-345/526, 13-14=0/808, 14-15=0/808, 1) 15-16=0/808, 16-17=-530/133, 17-18=-530/133, 18-19=0/0 BOT CHORD 31-32=0/1330, 30-31=0/1876, 29-30=0/1876, 28-29=0/1876, 27-28=-37/733, 26-27=-37/733, 25-26=-597/292 24-25=-526/345, 23-24=-502/306 22-23=-482/0, 21-22=-482/0, 20-21=-5/582 WEBS 12-24=-120/76, 11-25=-291/0, 5-29=-20/192, 4-30=-215/0, 15-23=-194/0, 9-26=-281/0 18-20=-640/6, 18-21=-153/0, 17-21=-254/0, 16-21=0/864, 16-23=-672/0, 13-23=-769/0, 13-24=-68/157, 8-26=-1707/0, 8-28=0/1050, 6-28=-184/103, 5-28=-637/0, 2-32=-1373/0, 2-31=0/646, 3-31=-268/16, 4-31=-202/309,

10-26=-827/0, 10-25=0/359

2x4 SP No.2(flat)

2x4 SP No.3(flat)

No.1(flat)

2x4 SP No.2(flat) \*Except\* 27-32:2x4 SP

- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 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.
  7) CAUTION, Do not erect truss backwards.
  8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1340 Ib down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face 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: 20-32=-10, 1-19=-100
  - Concentrated Loads (lb)
    - Vert: 1=-1500 (F=-1340)



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Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F209	Floor Supported Gable	1	1	Job Reference (optional)	146179721

0-1-8 ∦

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:17 ID:zsNinF5QB3aufkTIJuqCKYzd4tB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





Scale = 1:54.1

						_								
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	0.16	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	NO		WB	0.06	Horiz(TL)	0.00	28	n/a	n/a		
BCDL		5.0	Code	IRC201	8/TPI2014	Matrix-MR							Weight: 136 lb	FT = 20%F, 11%E
LUMBER				т	OP CHORD	28-55=-91/0, 27-5	55=-90/0.	54-56=-91/0.		7) Rec	commen	d 2x6 :	strongbacks, on e	edge, spaced at
TOP CHORD	2x4 SP N	o 2(flat)		-		1-56=-90/0. 1-2=-	14/0. 2-3	=-14/0. 3-4=-1	4/0.	10-	00-00 00	and fa	astened to each t	russ with 3-10d
BOT CHORD	2x4 SP N	o.2(flat)				4-5=-14/0, 5-6=-1	4/0, 6-7=	-14/0, 7-8=-14	1/0,	(0.1	31" X 3	) nails	. Strongbacks to	be attached to walls
WEBS	2x4 SP N	o.3(flat)				8-9=-14/0, 9-10=-	14/0, 10-	11=-14/0,		at t	neir oute	r ends	or restrained by	other means.
OTHERS	2x4 SP N	o.3(flat)				11-12=-14/0, 12-1	13=-14/0,	13-14=-14/0,		LOAD	CASE(S	) Sta	ndard	
BRACING						14-15=-14/0, 15-1	16=-14/0,	16-17=-14/0,		1) De	ad + Flo	or Liv	e (balanced): Lur	nber Increase=1.00.
TOP CHORD	Structural	wood she	athing directly applie	d or		17-18=-14/0, 18-1	19=-14/0,	19-20=-14/0,		Pla	ate Incre	ase=1	.00	
	6-0-0 oc r	nurlins exc	cent end verticals			20-21=-14/0, 21-2	22=-14/0,	22-23=-14/0,		Ur	niform Lo	oads (I	b/ft)	
BOT CHORD	Rigid ceili	ing directly	applied or 10-0-0 oc			23-24=-14/0, 24-2	25=-14/0,	25-26=-14/0,			Vert: 28	-54=-1	0. 1-27=-180	
BOT ONORD	bracing	ing directly				26-27=-14/0							•, • _• • • •	
PEACTIONS	(cizo)	20-21 5 1	2 20-21 5 12	В	OT CHORD	53-54=0/14, 52-53	3=0/14, 5	1-52=0/14,						
REACTIONS	(5120)	20=31-5-1	2, 29=31-5-12,			50-51=0/14, 49-5	0=0/14, 4	8-49=0/14,						
		32=31-5-1	2 33=31-5-12			47-48=0/14, 46-4	7=0/14, 4	5-46=0/14,						
		34=31-5-1	2 35=31-5-12			44-45=0/14, 43-4	4=0/14, 4	2-43=0/14,						
		37=31-5-1	2, 38=31-5-12.			41-42=0/14, 40-4	1=0/14, 3	9-40=0/14,						
		39=31-5-1	2, 40=31-5-12,			38-39=0/14, 37-3	8=0/14,3	6-37=0/14,						
		41=31-5-1	2, 42=31-5-12,			30-30=0/14, 34-3	5=0/14, 3	3-34=0/14,						
		43=31-5-1	2, 44=31-5-12,			32-33=0/14, 31-3	2=0/14, 3 0_0/14	0-31=0/14,						
		45=31-5-1	2, 46=31-5-12,	14		29-30=0/14, 20-2	9=0/14 0_040/0	4 51 - 240/0						
		47=31-5-1	2, 49=31-5-12,	vv	/ED3	2-55=-255/0, 5-52	2 = -242/0, 2 = -240/0	4-31=-240/0, 7-47=-240/0						
		50=31-5-1	2, 51=31-5-12,			8-46240/0 10-4	15- <u>-</u> 240/0,	11_44230/	0					
		52=31-5-1	2, 53=31-5-12,			12-43=-245/0 13	-42=-220/0	0 26-29=-23	0, 5/0					
		54=31-5-1	2			25-30=-242/0 24	-31=-240/	(0, 23-32=-24)	)/0					
	Max Grav	28=96 (LC	C 1), 29=248 (LC 1),			22-33=-240/0, 20-	-34=-240/	0, 19-35=-240	0/0.				mun	1111
		30=255 (L	.C 1), 31=253 (LC 1)	,		18-37=-240/0, 17-	-38=-239/	0. 16-39=-24	5/0.				WAH CA	Roll
		32=253 (L	.C 1), 33=253 (LC 1)	,		15-40=-220/0, 14-	-41=-178/	0	,			0	A	City.
		34=253 (L	.C 1), 35=253 (LC 1)	, N	OTES							E.	O <u>`_::</u> SS	10:11/2
		37=254 (L	.C 1), 38=252 (LC 1)	, N 1)	All plates a	e 1 5x3 MT20 unle	ess other	wise indicated	I		_	47	NOT -	Maix To a
		39=258 (L	.C 1), 40=233 (LC 1)	, i, 2	) Gable requi	res continuous bot	ttom chor	d bearing			~			
		41=100 (L	.C 1), 42=233 (LC 1) C 1), 44=252 (LC 1)	, _,	) Truss to be	fully sheathed from	m one fac	e or securely					054	1 1 E
		45=250 (L	C 1), 44=252 (LC 1)	, -,	braced aga	inst lateral movem	ent (i.e. d	iagonal web).					SEA	L 1 1
		47=253 (L	(1), 40=253 (101)	, 4)	) Gable stude	spaced at 1-4-0 c	oc.	0 ,					0449	25 : =
		50=253 (L	C(1), $10=200$ ( $LC(1)$ ) C(1), $51=253$ ( $LC(1)$ )	, 5)	) This truss is	designed in acco	rdance w	ith the 2018			-	5 B		- : :
		52=255 (L	.C 1), 53=248 (LC 1)	, ,	Internationa	I Residential Code	e sections	R502.11.1 a	nd			-		1. 2.
		54=96 (LC	C 1)	,	R802.10.2 a	and referenced sta	Indard AN	ISI/TPI 1.				- 15	· En	A: 0:
FORCES	(lh) - May	imum Com	, pression/Maximum	6)	) Load case(	s) 1 has/have beer	n modified	d. Building				1	C GIN'	EF. ANS
. SNOLD	Tension		Procolori/Maximum		designer m	ust review loads to	verify that	at they are				1	1	CEVIN
					correct for t	he intended use of	f this trus	S.				10	11. M.	5-111
													in the second se	ann

May 19,2021

BEFORE USE. ponent, not to the overall manent bracing the CSI Building Component 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F210	Floor	1	1	Job Reference (optional)	146179722

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:17 ID:UTTcMrDJuqYV481qn?SAeSzd4ns-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

# 2-6-0 0-1-8 1-11-0 3x5 II 1.5x3 = 3x5 = 3x5 🛛 2 1 3 Î







Scale = 1:27.8													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.08	4-5	>723	360			
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a			
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 28 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD	2x4 SP No.2(flat)		1) Dead + Florence Plate Incre	oor Live (balance ease=1.00	ed): Lumbe	r Increase=1	.00,						

4-11-0

BOT CHORD	2X4 OF IN	0.2(IIal)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	l wood sheathing directly applied or
	4-11-0 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4= Mechanical, 5=0-3-8
	Max Grav	4=277 (LC 1), 5=1730 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum

	lension
TOP CHORD	5-6=-1604/0, 1-6=-1602/0, 3-4=-69/0
	1-2=-83/0, 2-3=0/0
BOT CHORD	4-5=0/311
WEBS	2-5=-251/0, 2-4=-361/0

#### NOTES

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

- 2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Load case(s) 1 has/have been modified. Building 3) designer must review loads to verify that they are correct for the intended use of this truss.
- 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.
- CAUTION, Do not erect truss backwards. 5)
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 160 Ib down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face 7) of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Uniform Loads (lb/ft)
- Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb)
- Vert: 1=-1500 (F=-160)





Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F211	Floor	1	1	Job Reference (optional)	146179723

1-2-8

0-8-4

3x5 II

3x6 =

1-4-0

3x5 =

2

7

1.5x3 🛚

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

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:17 ID:yTdGGdrxep57J7?qqwOMIQzd4n2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-4-0

3x5 II

4

3x6 =

3x5 =

3

6

1.5x3 u

Page: 1



Scale = 1:29.4

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	0.14	Vert(LL)	0.00	` 7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MSH							Weight: 23 lb	FT = 20%F, 11%E
	Over CD No. O(flot)											
	2x4 SP No.2(IIal)											
WERS	2x4 SP No.2(IIal) 2x4 SP No.3(flat)											
WEBS	2X4 OF 110.3(IIal)											
	Structural wood abo	othing directly opply	ad or									
IOF CHORD		cent end verticals										
	Rigid ceiling directly	applied or 10-0-0 or	<b>^</b>									
BOTOHORD	bracing.		0									
REACTIONS	(size) 5= Mecha	inical 8= Mechanica	al									
	Max Grav 5=293 (LC	C 1), 8=293 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	1-8=-57/0, 4-5=-57/0	), 1-2=0/0, 2-3=-171	/0,									
	3-4=0/0 7-8-0/171 6-7-0/17	1 5-6-0/171										
WEBS	2-8=-291/0 3-5=-29	1/0 2-7=0/23 3-6=0	)/23									
NOTES	20 20 0,00 20	., 0, 2 . 0, 20, 0 0 .	,,20									
1) Unbalance	ad floor live loads have	been considered fo	nr.									
this design			//									
<ol> <li>Refer to gi</li> </ol>	 irder(s) for truss to trus	s connections.										
<ol> <li>This truss</li> </ol>	is designed in accorda	ance with the 2018									mm	UIII.
Internation	nal Residential Code se	ections R502.11.1 a	nd								I'L CA	Pall
R802.10.2	and referenced stand	ard ANSI/TPI 1.							C		all	0/14
4) Load case	(s) 1 has/have been m	nodified. Building							<u>م</u>	0-	O) is SS	D. N
designer n	nust review loads to ve	erify that they are							2	ANS	TO	HOWIN 1-2
correct for	the intended use of th	is truss.							~		.x. ×	
5) Recomme	nd 2x6 strongbacks, o	n edge, spaced at									CEA	1 I E -
10-00-00 c	bc and fastened to eac	h truss with 3-10d							=		SEA	L <u>i</u> i i
(0.131" X 3	3") nails. Strongbacks	to be attached to w	alis						=	:	0449	25 : =
		by other means.							-			- 1 2
LUAD CASE	<b>5)</b> Standard	umbor loorooos	00							-	N	1.5
I) Deau + F	rease-1 00	umber increase=1.	00,							- 0	S. SNOW	ER. AS
I Iniform I	oads (lh/ft)									11	CONGIN	E. M.
Vert: 5										1	TTM	GEVIN
von. o	0= 10, 1 = 100										WI.	unin in

## May 19,2021

GINEEDIN 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F212	Floor Girder	1	1	Job Reference (optional)	146179724

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:17 ID:ELfX\_f9d?ELQUeVX4HWs9czMa\_S-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f











1-4-0



4x6 =



Scale = 1:29.2

Plate Offsets (X, Y): [4: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	тс	0.83	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 22 lb	FT = 20%F, 11%E
			Concentrat									
	2v4 CD No 2(flot)		Vort: 6-	177 (E)								
	2x4 SP No.2(IIal) 2x4 SP No.2(flat)		vent. 0=-									
WERS	2x4 SF N0.2(flat) 2x4 SP No 3(flat)											
REACING	2x4 01 10.3(ildt)											
	Structural wood abo	othing directly applic	dor									
TOP CHORD	3-4-0 oc purlins ex	cent end verticals										
	Rigid ceiling directly	applied or 10-0-0 or	_									
BOT ONORD	bracing.											
REACTIONS	(size) 4= Mecha	nical, 5= Mechanica	al									
	Max Grav 4=269 (LC	C 1), 5=247 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-5=-137/0, 3-4=0/28	89, 1-6=0/0, 2-6=0/0	),									
	2-3=0/0											
BOT CHORD	4-5=0/206	a /a										
WEBS	2-5=-226/0, 2-4=-58	0/0										
NOTES												
<ol> <li>Refer to gi</li> </ol>	irder(s) for truss to trus	s connections.										
2) This truss	is designed in accorda	ance with the 2018										
Internation	hal Residential Code se	ections R502.11.1 a	nd									
R802.10.2	and referenced stand	ard ANSI/TPLT.									11111 00	1111
3) Recomme	nu 2x6 strongbacks, o	h euge, spaced at									TH UA	ROUL
10-00-00 C	2") pails Strongbacks	to be attached to w	alle						<b>/</b>	N	A	in Inte
at their out	ter ends or restrained l	hy other means	ans						_	V2	C SEDO	04.5
<ol> <li>Use MiTel</li> </ol>	MSH422 (With 10d n	ails into Girder & 6-1	10d							1		Arrier
nails into 7	Fruss) or equivalent at	1-10-4 from the left	end						-			
to connect	truss(es) to front face	of top chord.									SEA	
5) Fill all nail	holes where hanger is	in contact with lumb	ber.						=		0440	
6) In the LOA	AD CASE(S) section, Ic	bads applied to the fa	ace						=	:	0449	25 : 2
of the trus	s are noted as front (F)	) or back (B).							-			1 2 3
LOAD CASE(	S) Standard										·	ains
1) Dead + F	Floor Live (balanced): L	umber Increase=1.0	00,							-0	C VGINT	E. U.S
Plate Inc	rease=1.00									11	0	CALLY IN
Uniform I	Loads (lb/ft)										11. M.	SEIN
Vert: 4	-5=-10, 1-3=-100										in the second se	IIII.

May 19,2021



Job	Truss	Truss Type	Qty	Ply	103 Carolina Lakes-2nd Floor-Aurora	
21040027-C	F213	Floor	1	1	Job Reference (optional)	146179725

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:18 ID:yTdGGdrxep57J7?qqwOMIQzd4n2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:29.4

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,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	0.09	Vert(LL)	0.00	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00		BC	0.06	Vert(CT)	0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO		WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2018/	/TPI2014	Matrix-MSH							Weight: 23 lb	FT = 20%F, 11%E
LUMBER			LO	AD CASE(S)	Standard								
TOP CHORD	2x4 SP No.2(flat)		1)	Dead + Floo	or Live (balanced):	Lumbe	r Increase=1.0	00,					
BOT CHORD	2x4 SP No.2(flat)			Plate Increa	ise=1.00								
WEBS	3 2x4 SP No.3(flat) Uniform Loads (lb/ft)												
BRACING				Vert: 5-8:	=-10, 1-4=-100								
TOP CHORD	OP CHORD       Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.       Concentrated Loads (lb)         Vert: 1=-500 (F), 4=-500 (F)												
BOT CHORD	3OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.												
REACTIONS	(size) 5= Mecha	nical, 8= Mechanica	al										
	Max Grav 5=670 (LC	C 1), 8=670 (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-8=-533/0, 4-5=-53 3-4=0/0	3/0, 1-2=0/0, 2-3=-9	9/0,										
BOT CHORD	7-8=0/99, 6-7=0/99,	5-6=0/99											
WEBS	2-8=-169/0, 3-5=-169	9/0, 2-7=0/23, 3-6=0	)/23										
NOTES													
1) Unbalance	ed floor live loads have	been considered fo	or										
this desig	n.		-										
2) Refer to c	airder(s) for truss to trus	s connections.											
3) This truss	is designed in accorda	ance with the 2018										minin	1111.
Internatio	nal Residential Code se	ections R502.11.1 a	nd									I'L'H CA	Rall
R802.10.	2 and referenced stand	ard ANSI/TPI 1.										a	- Clille
4) Load case	e(s) 1 has/have been m	odified. Building									X.	O'LESS	id: Nr
designer	must review loads to ve	erify that they are										out a	Servic
correct fo	r the intended use of th	is truss.									$\mathbf{\nabla}$	:0	K: 2
5) Recomme	end 2x6 strongbacks, o	n edge, spaced at										0.54	1 I I I I I I I I I I I I I I I I I I I
10-00-00	oc and fastened to eac	h truss with 3-10d								- 3		SEA	L <u>1</u> E
(0.131" X	3") nails. Strongbacks	to be attached to w	alls							- E		0449	25 i E
at their ou	iter ends or restrained i	by other means.								-			- · · · ·
6) Hanger(s	) or other connection de	evice(s) shall be	00							-		N	1. 2.
provided Ib down a	sumplement to support cor	icentrated load(s) of	00								2.0	· En	A: 0 3
chord Th	bord The design selection of such connection device												
(s) is the	(a) is the responsibility of others									CEVIN			
7) In the I $\Omega$	AD CASE(S) section Ic	ads applied to the f	ace									11. M.	5-111
of the true	ss are noted as front (F	) or back (B).										- 10000 M	un.
		,										May	19,2021
												,	



Job	Truss	uss Truss Type Qty Ply 103 Carolina Lakes-2nd Floor-Aurora		103 Carolina Lakes-2nd Floor-Aurora		
21040027-C	F214	Floor	1	1	Job Reference (optional)	146179726

Run: 8.5 S 0 Apr 20 2021 Print: 8.500 S Apr 20 2021 MiTek Industries, Inc. Tue May 18 14:30:18 ID:dJFWt?4YC\_Kj13wMJHlw4EzMZow-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1-4-0

Page: 1



3x6 =

1-4-0



4x6 =



Scale = 1:26.7

Plate Offsets (X, Y): [4: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	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 22 lb	FT = 20%F, 11%E
TOP CHORD	2x4 SP No 2(flat)											
BOT CHORD	2x4 SP No.2(flat)											
WEBS	2x4 SP No.3(flat)											
BRACING												
TOP CHORD	P CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins except end verticals											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	c									
REACTIONS	(size) 4= Mecha	nical, 5= Mechanica	al									
	Max Grav 4=170 (LC	C 1), 5=170 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-5=-104/0, 3-4=0/1	33, 1-2=0/0, 2-3=0/0	)									
BOT CHORD	4-5=0/109											
WEBS	2-5=-120/0, 2-4=-30	7/0										
NOTES												
1) Refer to g	irder(s) for truss to trus	s connections.										
2) This truss	is designed in accorda	ance with the 2018										
Internation	nal Residential Code se	ections R502.11.1 a	nd									
R802.10.2	and referenced stand	ard ANSI/TPI 1.										117-
2) Loommo	and Uve otronghooko o	n adda anaaad at										

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





