

RE: J0720-3499 Weaver / 14 West Park / Harnett Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Lot/Block:	Project Name:	J0720-3499
Address:		
City:		

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf

Design Program: MiTek 20/20 8.3 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 12 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E14705820	F1	8/6/2020
2	E14705821	F2	8/6/2020
3	E14705822	F3	8/6/2020
4	E14705823	F4	8/6/2020
5	E14705824	F4A	8/6/2020
6	E14705825	F5	8/6/2020
7	E14705826	F7	8/6/2020
8	E14705827	F7A	8/6/2020
9	E14705828	KW4	8/6/2020
10	E14705829	KW5	8/6/2020
11	E14705830	KW6	8/6/2020
12	E14705831	KW7	8/6/2020

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

Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

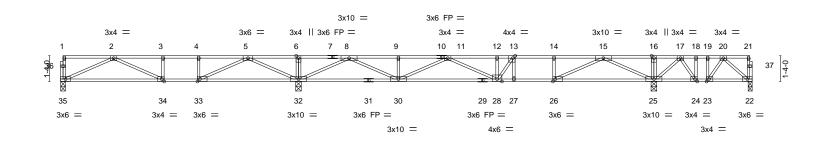
My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the design 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	Weaver / 14 West Park / Harnett
					E14705820
J0720-3499	F1	Floor	3	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	ille, NC - 28314,		8	.330 s Jul :	22 2020 MiTek Industries, Inc. Wed Aug 5 14:40:05 2020 Page 1
-		ID:6QM6	oUdKO1jfj	INWahDSv	tyxoet-VGTerwWYtDEwCCbPyn6GYfbJ0GXdC945pNLqWayqsze
0-1-8					0-9-0 0-9-0
	1-8-12			<u>0-9-0</u> ⊢	1-11-8 Scale = 1:59.8



l	<u>12-4-4</u> 12-4-4		<u> </u>				<u>35-11-0</u>	
Plate Offsets (X,Y)	[13:0-1-8,Edge], [23:0-1-8,Edge], [24:0-1	I-8,Edge], [26:0-1-8,Edge						
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.88 BC 0.78 WB 0.74 Matrix-S	DEFL.inVert(LL)-0.30Vert(CT)-0.39Horz(CT)0.03		L/d 480 360 n/a	PLATES MT20 Weight: 183 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E	
BOT CHORD 2x4 SP 22-29:	TOP CHORD     2x4 SP No.1 (flat)     TOP CHORD     Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.       BOT CHORD     2x4 SP No.1 (flat) *Except*     except end verticals.       22-29: 2x4 SP 2400F 2.0E(flat)     BOT CHORD     Rigid ceiling directly applied or 6-0-0 oc bracing.							
(lb) - Max U	earings 0-3-8 except (jt=length) 35=0-3-0 plift All uplift 100 lb or less at joint(s) ex rav All reactions 250 lb or less at joint(	cept 22=-230(LC 6)	C 3), 35=583(LC 5), 25=15	578(LC 11)				
TOP CHORD 2-3=- 9-11= 15-16 BOT CHORD 34-38 27-26 22-23 WEBS 6-32= 4-33 12-26 20-22	Comp./Max. Ten All forces 250 (lb) or 1280/416, 3-4=-1280/416, 4-5=-1280/41 =-1609/0, 11-12=-2405/0, 12-13=-2405/0 3=0/1257, 16-17=0/1250, 17-18=-106/53 3=-781/102, 33-34=-416/1280, 32-33=-11 3=0/1943, 26-27=0/1943, 25-26=0/569, 2 3=-291/137 =-299/0, 16-25=-280/0, 2-35=-1098/87, 2 =-415/0, 8-32=-2177/0, 8-30=0/1554, 9-3 3=-413/0, 15-25=-1992/0, 15-26=0/1541, 2=-178/388, 13-27=-410/0, 17-25=-722/0 3=-445/0, 19-23=0/254	6, 5-6=0/2174, 6-8=0/21 , 13-14=-1943/0, 14-15= 9, 18-19=-106/539, 19-2( 101/519, 30-32=-274/291 4-25=-849/0, 23-24=-53 -34=-373/307, 5-32=-17( 30=-259/0, 11-30=-837/0 14-26=-445/0, 13-28=-3	74, 8-9=-1609/0, -1943/0, )=-106/539 , 28-30=0/2276, 9/106, )0/0, 5-33=0/1243, , 11-28=0/306, /796,					
<ol> <li>All plates are 1.5x3</li> <li>Plates checked for a</li> <li>Provide mechanical</li> <li>Provide mechanical</li> <li>Recommend 2x6 str</li> </ol>	e loads have been considered for this de MT20 unless otherwise indicated. I plus or minus 1 degree rotation about it connection (by others) of truss to bearin connection (by others) of truss to bearin ongbacks, on edge, spaced at 10-0-0 or ttached to walls at their outer ends or res rect truss backwards.	s center. g plate at joint(s) 22. g plate capable of withsta c and fastened to each tr			Manual Marine	THE A.	S22	
WARNING - Verify d	esign parameters and READ NOTES ON THIS ANI		CE PAGE MIL-7473 roy 5/19/2020			ENCINE	EDING BY	

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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss		Truss Type		Qty	Ply	Weaver / 14 West F	Park / Harnett		<b>E</b> 4.47	
J0720-3499	F2		Floor Girder		1	1				E147	705821
							Job Reference (opt	ional)			
Comtech, Inc,	Fayetteville, NC - 28	314,		I			22 2020 MiTek Indu Svtyxoet-SfaOGbXo				
0-1-8									0-9-0 0	)-9-0	
2-6-0		2				<u>0-9-0</u> ⊢	1-11-8		1-3-0 0-5-1	2 1-3-00-1- Scale =	8 = 1:59.8
			3x10 =								
				=P =	3x6 FP =						
3x4    4	4x6    3x6 =	3>	<10 =	6x12 = 3x6 =	3x4 =	4x4	=	4x8 = 3x	(4    4x4 =	3x4 =	
1 38	2 39 3	4	5 6 7	8 40 9	10 11	12 13	14	15 1	16 17 18 19	9 20 21	
											37 4-
35	34	33	32	31 30		29 28 27	26	2	25 24 23	3 22	
3x6 =	3x4 =	3x6 =	4x12 =	3x6 FP =		4x6 =	4x6 =	3x <sup>-</sup>	10 = 4x4 =	3x6 3	=

3x10 =

3x8 M18SHS FP =

<b> </b>	12-4-4		9-12	35-11-0			
Plate Offsets (X,Y)	12-4-4 [1:Edge,0-1-8], [3:0-1-8,Edge], [13:0-1-8	3,Edge], [23:0-1-8,Edge],		-5-8 1-8,Edge], [33:0-1-	8,Edge], [34:0		5-1-4
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.94 BC 0.91 WB 0.95 Matrix-S	DEFL. Vert(LL) -0.3	in (loc) l/defl 31 27-28 >723 41 27-28 >540	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 198 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E
1-7,10- BOT CHORD 2x4 SP 22-29: 2	No.1(flat) *Except* 21: 2x4 SP 2400F 2.0E(flat) No.1(flat) *Except* 2x4 SP 2400F 2.0E(flat) No.3(flat)		BRACING- TOP CHORD BOT CHORD	except end vert	icals.	ectly applied or 6-0-0 c r 6-0-0 oc bracing.	oc purlins,
(lb) - Max U	earings 0-3-8 except (jt=length) 35=0-3-0 plift All uplift 100 lb or less at joint(s) e rav All reactions 250 lb or less at joint	(cept 22=-260(LC 6)	5), 32=2556(LC 3), 25:	=1660(LC 11)			
TOP CHORD 2-3=- 9-11= 15-16 BOT CHORD 34-35 27-28 22-23 WEBS 6-32= 5-33= 20-23	Comp./Max. Ten All forces 250 (lb) or 1101/389, 3-4=-1094/391, 4-5=-1094/39 2116/0, 11-12=-2684/0, 12-13=-2684/0 =0/1367, 16-17=0/1359, 17-18=-28/601 =0/1166, 33-34=-391/1094, 32-33=-144 3=0/2120, 26-27=0/2120, 25-26=0/571, 2 3=-324/92 267/0, 16-25=-295/0, 2-35=-1266/0, 2- -0/1554, 4-33=-551/0, 20-22=-119/431, 3=-496/0, 19-23=0/298, 8-32=-3450/0, 8 3=-494/0, 15-25=-2110/0, 15-26=0/1722	11, 5-6=0/2880, 6-8=0/28 1, 13-14=-2120/0, 14-15= , 18-19=-28/601, 19-20= 2/28, 30-32=0/685, 28-3( 24-25=-941/0, 23-24=-60 34=-783/0, 3-34=0/278, 5 17-25=-755/0, 17-24=0/6 -30=0/1655, 9-30=-350/0	50, 8-9=-2128/0, -2120/0, -28/601 0=0/2649, 1/28, 5-32=-2081/0, 86, 18-24=-404/0, , 11-30=-656/0,				
<ol> <li>All plates are MT20 ;</li> <li>All plates are 1.5x3 M</li> <li>Plates checked for a</li> <li>Provide mechanical</li> <li>Provide mechanical</li> <li>Provide mechanical</li> <li>Recommend 2x6 str Strongbacks to be at</li> <li>CAUTION, Do not er</li> <li>Hanger(s) or other co down at 3-9-12, and device(s) is the response</li> </ol>	onnection device(s) shall be provided su I 169 lb down at 14-2-12, and 550 lb do onsibility of others. :(S) section, loads applied to the face of	s center. g plate at joint(s) 22. g plate capable of withsta c and fastened to each tr strained by other means. Ifficient to support concer wn at 15-9-8 on top chor	uss with 3-10d (0.131" htrated load(s) 169 lb d rd. The design/selectio	X 3") nails. own at 1-9-12, 169	e lb	SEA 0363	EER.K

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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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

August 6,2020

3x4 =



Job		Truss	Truss Type	Qty	Ply	Weaver / 14 West Park / Harnett			
						E14705821			
J0720-3499		F2	Floor Girder	1	1				
						Job Reference (optional)			
Comtech, Inc,	Fayettevi	ille, NC - 28314,		8	.330 s Jul	22 2020 MiTek Industries, Inc. Wed Aug 5 14:40:07 2020 Page 2			
			ID:6QM6oUdKO1jfjlNWahDSvtyxoet-SfaOGbXoPqUeSVln4C8kd4gdd4A1g0LOHhqwbTyqszc						

# LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 22-35=-10, 1-21=-100

Concentrated Loads (lb)

Vert: 7=-89(F) 38=-89(F) 39=-89(F) 40=-470(F)



Job	Truss	Truss Type	Qty	Ply	Weaver / 14 West Park / Harnett
					E14705822
J0720-3499	F3	Floor	3 1		
					Job Reference (optional)
Comtech, Inc, Fayette	Comtech, Inc, Fayetteville, NC - 28314, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 5 14:40:11 2020 Page				

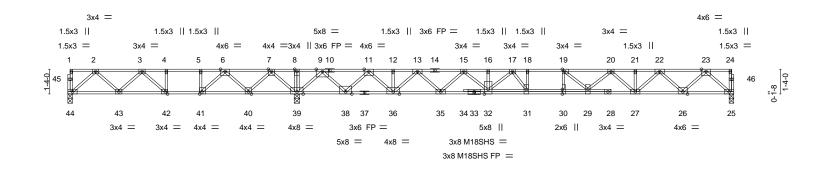
ID:6QM6oUdKO1jfjINWahDSvtyxoet-KQqv6zbJT3?3w73YJ1DgowrLUhYgcsJ\_CJo8kEyqszY

0-9-0 1-9-12

||<mark>1-3-0</mark>\_|

1-8-12			



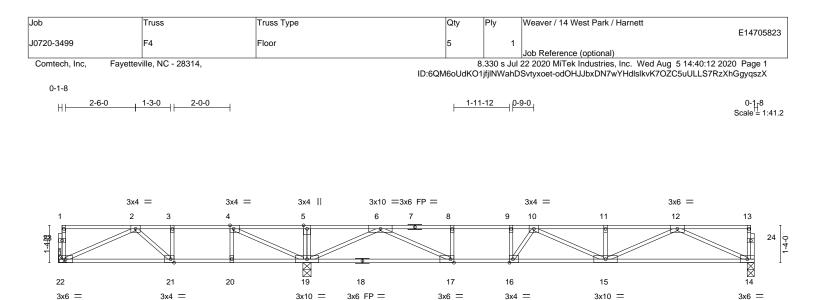


I	12-4-4	1		35-11-0		1
	12-4-4	1		23-6-12		
Plate Offsets (X,Y)-	- [19:0-1-8,Edge], [30:0-3-0,0-0-0], [41:0-	1-8,Edge], [42:0-1-8,Edge	]			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.82 BC 0.93 WB 0.82 Matrix-S	DEFL.         in           Vert(LL)         -0.41           Vert(CT)         -0.55           Horz(CT)         0.05	(loc) l/defl L/d 31 >692 480 31 >512 360 25 n/a n/a	PLATES MT20 M18SHS Weight: 198 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%
1-10 BOT CHORD 2x4	2 SP No.1(flat) *Except* 0: 2x4 SP 2400F 2.0E(flat) 4 SP No.1(flat) 4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing except end verticals. Rigid ceiling directly applie		ł oc purlins,
Ma Ma FORCES. (Ib) - M TOP CHORD 2- 7- 7-	(size) 44=0-3-0, 39=0-3-8, 25=0-3-0 IX Uplift 44=-154(LC 4) IX Grav 44=534(LC 3), 39=2521(LC 1), 25= Iax. Comp./Max. Ten All forces 250 (lb) or -3=-845/383, 3-4=-1008/1235, 4-5=-1008/12 -8=0/3728, 8-9=0/3728, 9-11=0/886, 11-12= 5-16=-4419/0, 16-17=-4419/0, 17-18=-4874.	less except when shown. 25, 5-6=-1008/1235, 6-7= -1666/0, 12-13=-1666/0, 1	3-15=-3204/0,			
20 BOT CHORD 43 38 WEBS 2- 9- 1 22	0-21=-3531/0, 21-22=-3531/0, 22-23=-2079, 3-44=-191/560, 42-43=-671/1075, 41-42=-1, 8-39=-2123/0, 36-38=-214/645, 35-36=0/25 0-31=0/4874, 29-30=0/4874, 27-29=0/4135, -44=-743/256, 7-39=-1463/0, 2-43=-266/397 -40=-1113/0, 3-42=-825/0, 6-41=0/1269, 4-4 -38=0/1720, 11-38=-1700/0, 11-36=0/1415, 5-32=0/707, 17-32=-646/0, 23-25=-1609/0, 2-27=0/849, 20-27=-821/0, 20-29=0/542, 19 7-31=-115/599	/0 235/1008, 40-41=-1907/58 72, 32-35=0/3901, 31-32= 26-27=0/2906, 25-26=0/1 7, 7-40=0/1037, 3-43=-319 12=0/369, 5-41=-619/0, 9-5 13-36=-1262/0, 13-35=0/5 23-26=0/1208, 22-26=-11	87, 39-40=-2815/0, 0/4751, 210 /400, 39=-2137/0, 308, 15-35=-988/0, 51/0,			110111
<b>NOTES-</b> 1) Unbalanced floor 2) All plates are MT	r live loads have been considered for this de 20 plates unless otherwise indicated. 6 MT20 unless otherwise indicated.	esign.		4	CHARTH CA	ROLL

- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) Plates checked for a plus or minus 1 degree rotation about its center.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 44.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.







	8-10-8 8-10-8				24-10-4 I5-11-12			
Plate Offsets (X,Y)	- [4:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1	-8,Edge], [21:0-1-8,Edge]						
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.63 BC 0.89 WB 0.63 Matrix-S	Vert(CT) -0	in (loc) .27 15-16 .36 15-16 .05 14	l/defl >704 >531 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 124 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
7-1 BOT CHORD 2x2 WEBS 2x2 REACTIONS.	SP No.1(flat) *Except* 3: 2x4 SP 2400F 2.0E(flat) SP No.1(flat) SP No.3(flat) size) 22=Mechanical, 19=0-3-8, 14=0-3- x Grav 22=465(LC 3), 19=1431(LC 1), 14=		BRACING- TOP CHORD BOT CHORD	except	end vertic	als.	ectly applied or 6-0-0 o	oc purlins,
TOP CHORD 2 9 BOT CHORD 2 1 WEBS 5	ax. Comp./Max. Ten All forces 250 (lb) of 3=-792/0, 3-4=-792/0, 4-5=0/494, 5-6=0/49 10=-2584/0, 10-11=-2527/0, 11-12=-2527/ -22=0/741, 20-21=0/792, 19-20=0/792, 17 I-15=0/1591 19=-278/0, 2-22=-810/0, 4-19=-1028/0, 6-1 2-14=-1745/0, 12-15=0/1035, 10-15=-311/0	94, 6-8=-2584/0, 8-9=-2584/0 0 -19=0/1472, 16-17=0/2584, 9=-1803/0, 6-17=0/1333, 8-	15-16=0/2776, 17=-449/0,					

## NOTES-

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

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

3) Plates checked for a plus or minus 1 degree rotation about its center.

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

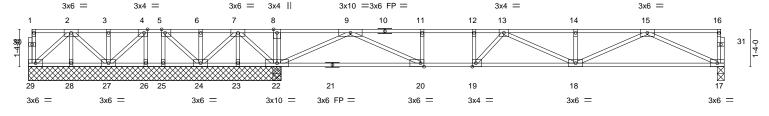
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6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Weaver / 14 West Park / Harnett	F1 4705004
J0720-3499	F4A	Floor	1	1	Job Reference (optional)	E14705824
Comtech, Inc, Fayette	ville, NC - 28314,	•			22 2020 MiTek Industries, Inc. Wed Aug 5 14:4 Svtyxoet-k?V2k?dBI_Nenan7_AmNQYTqkuZGpE	
0-1-8						
H <b>⊢</b> <del>1-2-8</del>	0-6-0	2-6-0 2	-6-0   1-8-	12    1-0	-0 2-6-0 2-6-0	2-6-0 0-1-8 Scale = 1:41.2
	3x4 =					



L	5-2-0	6-1-0	8-10-8	9-0 <sub>1</sub> 4					24-10-4			
	5-2-0	0-11-0	2-9-8	0-1-12					15-10-0			I
Plate Offsets (X,Y)	[4:0-1-8,Edge], [	5:0-1-8,Edg	je], [19:0-1-8	,Edge], [20:0-1-	8,Edge]							
LOADING (psf)	SPACING		2-0-0	CSI.		DEFL.		(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip Lumber D		1.00 1.00	TC 0.9 BC 0.9		Vert(LL) Vert(CT)	-0.29 ·		>660 >490	480 360	MT20	244/190
BCLL 0.0	Rep Stres		YES	WB 0.6	69	Horz(CT)	0.03	17	n/a	n/a		
BCDL 5.0	Code IRC	2015/TPI2	014	Matrix-S							Weight: 134 lb	FT = 20%F, 11%E
LUMBER-						BRACING-						
TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)						TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.						oc purlins,
WEBS 2x4 SP No.3(flat)						BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.						
	bearings 9-0-4 exc Uplift All uplift 10				6(LC 4), 2	24=-135(LC 4)						

Max Grav All reactions 250 lb or less at joint(s) 29 28, 27, 26, 23, 24, 25 except 22=1537(LC 1), 22=1537(LC 1), 17=782(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- TOP CHORD 7-8=0/1020, 8-9=0/1026, 9-11=-1995/0, 11-12=-1995/0, 12-13=-1995/0, 13-14=-2224/0, 14-15=-2224/0
- BOT CHORD
   23-24=-492/0, 22-23=-492/0, 20-22=0/691, 19-20=0/1995, 18-19=0/2318, 17-18=0/1441

   WEBS
   8-22=-266/0, 7-22=-713/0, 7-24=0/423, 15-17=-1580/0, 15-18=0/866, 9-22=-1894/0, 9-20=0/1444, 11-20=-466/0, 13-19=-555/0, 12-19=-9/291

#### NOTES-

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

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

3) Plates checked for a plus or minus 1 degree rotation about its center.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25 except (jt=lb) 23=186, 24=135.

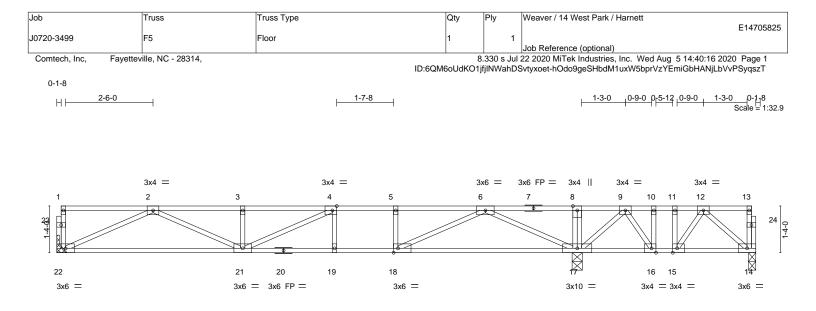
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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

6) CAUTION, Do not erect truss backwards.







		14-10-0				15-0-0	19-11-12	
		14-10-8				0-1-8	4-11-12	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [15:0-1-8,Edge], [16:0-1	8,Edge], [18:0-1-8,Edge]						
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.66 BC 0.88 WB 0.57 Matrix-S	Vert(CT) -0	in (loc) .22 19-21 .29 19-21 .03 17	l/defl >799 >612 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 105 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except	end verti	cals.	ectly applied or 6-0-0 o or 6-0-0 oc bracing.	oc purlins,
Max	ze) 22=Mechanical, 17=0-3-8, 14=0-2-{ Jplift 14=-106(LC 3) Grav 22=742(LC 3), 17=1336(LC 1), 14=							
TOP CHORD 2-3=	. Comp./Max. Ten All forces 250 (lb) or 2078/0, 3-4=-2078/0, 4-5=-1931/0, 5-6= )=-150/287, 10-11=-150/287, 11-12=-150	-1931/0, 6-8=0/819, 8-9=0/8	313,					
BOT CHORD 21-2	22=0/1346, 19-21=0/1931, 18-19=0/1931, 6=-287/150		47,					
WEBS 8-17	/=-265/0, 9-17=-550/0, 12-15=-264/0, 9-1 ]=0/1207, 5-18=-364/0, 2-22=-1475/0, 2-2		,					

#### NOTES-

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

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

3) Plates checked for a plus or minus 1 degree rotation about its center.

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

5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=106.

14-10-8

7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

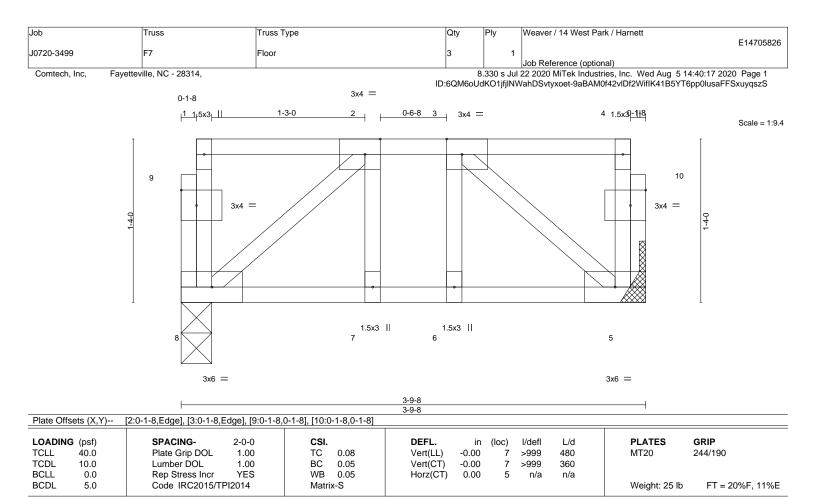
8) CAUTION, Do not erect truss backwards.



15-0-0

19-11-12





BRACING-

TOP CHORD

BOT CHORD

 Refer to girder(s) for truss to truss connections.
 Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LUMBER-

WEBS

NOTES-

TOP CHORD

BOT CHORD

REACTIONS.

2x4 SP No.1(flat)

2x4 SP No.1(flat)

2x4 SP No.3(flat)

(size) 8=0-3-0, 5=Mechanical Max Grav 8=189(LC 1), 5=189(LC 1)

Unbalanced floor live loads have been considered for this design.
 Plates checked for a plus or minus 1 degree rotation about its center.

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

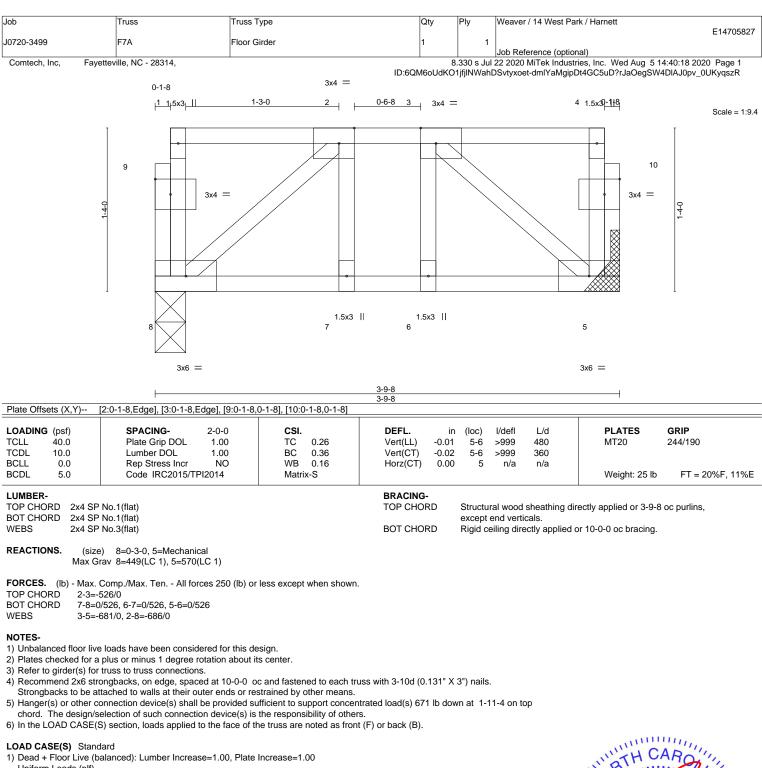


Structural wood sheathing directly applied or 3-9-8 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.





Uniform Loads (plf) Vert: 5-8=-10, 1-4=-100

Concentrated Loads (lb)

Vert: 3=-642(F)



818 Soundside Road Edenton, NC 27932

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
0 + 18 $3x6 FP = -$ $12 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 23 - 44$ $44 - 42 - 41 - 40 - 39 - 38 - 37 - 36 - 35 - 34 - 33 - 32 - 31 - 30 - 29 - 28 - 27 - 26 - 25 - 24 - 23 - 44$
$3x6 FP = 12 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 \\ 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 4 23 4 23 4 23 4 23 4 23 4 23 $
12       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
12       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
12       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
12       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       12       13       14       15       16       17       18       19       20       21       22         4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
44 44 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23
0+5-2 1-9-2   3-1-2   4-5-2   5-9-2   7-1-2   8-5-2   9-9-2   11-1-2   12-5-2   13-9-2   15-1-2   16-5-2   17-9-2   19-1-2   20-5-2   21-9-2   23-1-2   24-5-2 24 <sub>7</sub> 10 <sub>1</sub> 4
0+5-2 1-9-2 3-1-2 4-5-2 5-9-2 7-1-2 8-5-2 9-9-2 11-1-2 12-5-2 13-9-2 15-1-2 16-5-2 17-9-2 19-1-2 20-5-2 21-9-2 23-1-2 24-5-2 24-10-4 
LOADING (psf)SPACING- Plate Grip DOL2-0-0CSI.DEFL.in (loc)l/deflL/dPLATESGRIPTCLL40.0Plate Grip DOL1.00TC0.06Vert(LL)n/a-n/a999MT20244/190
TCDL         10.0         Lumber DOL         1.00         BC         0.01         Vert(CT)         n/a         -         n/a         999           BCLL         0.0         Rep Stress Incr         YES         WB         0.03         Horz(CT)         0.00         23         n/a         n/a           BCDL         5.0         Code IRC2015/TPI2014         Matrix-R         Weight: 110 lb         FT = 20%F, 11%E

# LUMBER-

TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)OTHERS2x4 SP No.3(flat)

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 24-10-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 23, 32, 33, 35, 36, 37, 38, 39, 40, 41, 31, 30, 29, 28, 27, 26, 25, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

## NOTES-

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

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

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

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

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.



Job	Truss	Т	russ Type		Qty	Ply	Weaver / 14 Wes	t Park / Harnett	E14705829
J0720-3499	KW5	G	ABLE		1	1	Job Reference (o	notional)	L14703023
Comtech, Inc, Fay	etteville, NC - 28	314,					I 22 2020 MiTek Ind	dustries, Inc. Wed Aug 5	
					ID:6QM6c	UdKO1jfjlNW	/ahDSvtyxoet-1LQh	nCOia68Ff7fqTu8P1C1GF	
0-1 <sub>1</sub> 8									0-1 <sub>1</sub> 8
									Scale = 1:33.2
							3x6 FP =		
1 2 3	3 4	5 6	6 7	8	9 10	11	12 13 1	14 15 16	6 17 18
4 4 3 2 1 0 0 0	0	0		0		0			
				~~~~~	~~~~~	~~~~~			
	34 33	32 3	31 30 29	28	27 26	25	24 2	23 22 21	
3x4 =			3x6 FP =						3x4 =
Q-7-14, 1-11-14	3-3-14	4-7-14 5-11-14	, 7-3-14 <sub>1</sub> 8	8-7-14 9-11-14	, 11-3-14 , 12	-7-14 13-	11-14 <sub>1</sub> 15-3-14	, 16-7-14 <sub>1</sub> 17-11-14	19-3-14 19-11-12
0-7-14 1-4-0		1-4-0 1-4-0	1-4-0	1-4-0 1-4-0			-4-0 1-4-0	1-4-0 1-4-0	1-4-0 0-7-14
LOADING (psf)	SPACIN		CSI		DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Gri		TC	0.06	Vert(LL)	n/a - n/a -	n/a 999 n/a 999	MT20	244/190

TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	TC 0.06 BC 0.01	Vert(LL) n/a Vert(CT) n/a	a - n/a 999 a - n/a 999	MT20	244/190			
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.03 Matrix-R	Horz(CT) 0.00	) 19 n/a n/a	Weight: 89 lb	FT = 20%F, 11%E			
BOT CHORD 2x4 SP	No.1(flat) No.1(flat)		BRACING- TOP CHORD						

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

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-11-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 27, 28, 29, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

# NOTES-

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

2) Plates checked for a plus or minus 1 degree rotation about its center.

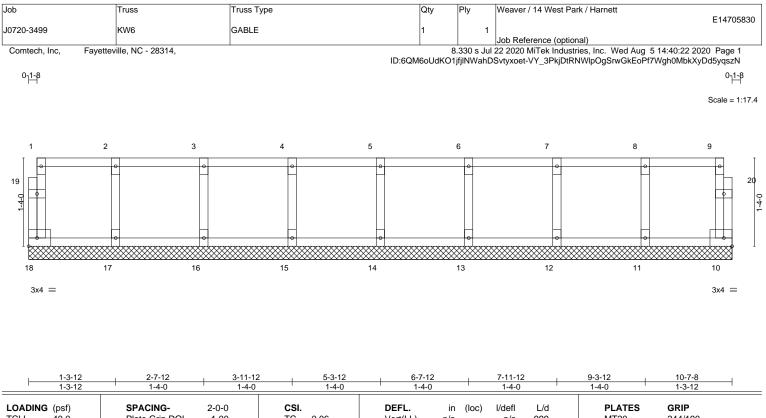
3) Gable requires continuous bottom chord bearing.

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

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

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.





TCDL 10 BCLL 0	osf) 0.0 0.0 0.0 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.00 1.00 YES Pl2014	CSI. TC BC WB Matri	0.06 0.01 0.03 x-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 48 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER-						BRACING-						

2x4 SP No.1(flat) TOP CHORD BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 14, 15, 16, 17, 13, 12, 11

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

## NOTES-

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

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.

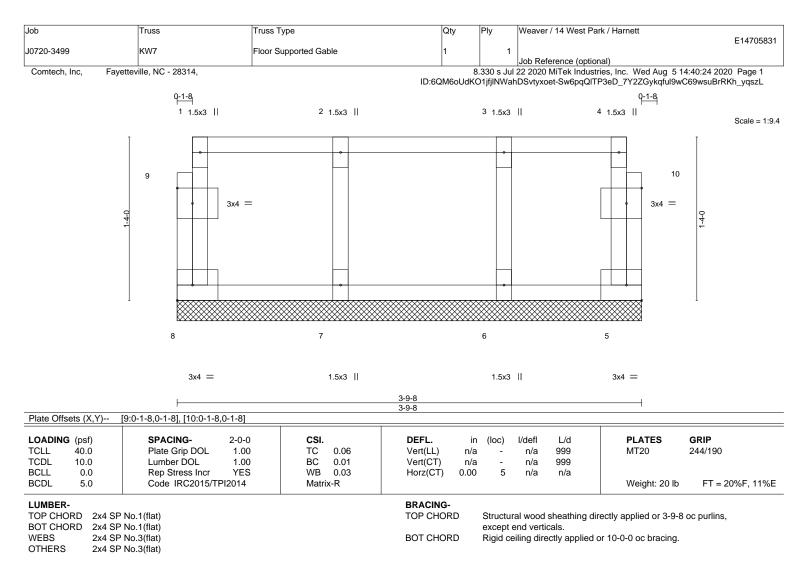
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.







REACTIONS. All bearings 3-9-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

# NOTES-

1) Plates checked for a plus or minus 1 degree rotation about its center.

2) Gable requires continuous bottom chord bearing.

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

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

 Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.





