

RE: J0122-0489 LOT 3 AVERY POINTE Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J0122-0489 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: 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 10 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	149926369	F1	1/27/2022
2	149926370	F2	1/27/2022
3	l49926371	F2A	1/27/2022
4	149926372	F3	1/27/2022
5	149926373	F4	1/27/2022
6	149926374	F5	1/27/2022
7	149926375	F6	1/27/2022
8	149926376	KW2	1/27/2022
9	149926377	KW4	1/27/2022
10	149926378	KW5	1/27/2022

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

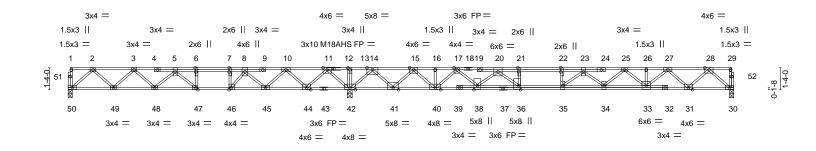
My license renewal date for the state of North Carolina is December 31, 2022

North Carolina COA: C-0844

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



Job	Truss	Truss Type	Qty	Ply	LOT 3 AVERY POINTE
					149926369
J0122-0489	F1	Floor	4	1	
					Job Reference (optional)
Comtech, Inc, Fayette	ville, NC - 28314,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:07 2022 Page 1
		ID:	ayDjLV?s5.	JTJ6EXpV	ZkE3PydMqS-IJ8K3mvctd4v5QH00iceXzHMfybrDjZgoy9TNUzrBxs
0-1-8	0-10-0				
<mark>1-3-0</mark>	<mark>1-10-12</mark>				2-5-4 0-1-8 Scale = 1:70.0



 	<u>17-1-4</u> 17-1-4			<u>40-5-0</u> 23-3-12								
Plate Offsets (X,Y)	[6:0-3-0,Edge], [7:0-3-0,0-0-0], [21:0-3-0	0,Edge], [22:0-3-0,0-0-0],	[36:0-3-0,Edge], [46:0-1-									
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 0.86 BC 0.64 WB 0.82 Matrix-S	Vert(LL) -0.35	34-35 >593 360	PLATES MT20 M18AHS Weight: 244 lb	GRIP 244/190 186/179 FT = 20%F, 11%E						
LUMBER-	LUMBER- BRACING- TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins,											
	P No.1(flat) P No.3(flat)		except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.									
REACTIONS. (siz Max (ze) 50=0-3-0, 42=0-3-8, 30=0-3-0 Grav 50=786(LC 3), 42=2705(LC 1), 30=	1106(LC 4)										
TOP CHORD 2-3= 8-10 15-1	. Comp./Max. Ten All forces 250 (lb) or 1376/17, 3-5=-2176/176, 5-6=-2345/744)=-1361/1451, 10-11=-8/2164, 11-13=0/3 6=-1817/379, 16-17=-1817/379, 17-20=- 23=-4991/0, 23-25=-4683/0, 25-26=-3668	0, 6-7=-2345/740, 7-8=-23 977, 13-14=0/3977, 14-15 3481/0, 20-21=-4991/0, 2	345/740, 5=0/1295, 11-22=-4991/0,									
BOT CHORD 49-5 44-4	50=0/844, 48-49=-76/1883, 47-48=-328/2 5=-1763/809, 42-44=-2719/0, 41-42=-23	436, 46-47=-740/2345, 45 74/0, 40-41=-721/830, 38	5-46=-1126/1926, -40=-87/2719,									
WEBS 2-50 5-47	49-50=0/844, 48-49=-76/1883, 47-48=-328/2436, 46-47=-740/2345, 45-46=-1126/1926, 44-45=-1763/809, 42-44=-2719/0, 41-42=-2374/0, 40-41=-721/830, 38-40=-87/2719, 36-38=0/4282, 35-36=0/4991, 34-35=0/5016, 33-34=0/4237, 31-33=0/2942, 30-31=0/1201 2-50=-1121/0, 2-49=-46/740, 3-49=-705/81, 3-48=-139/402, 5-48=-358/206, 5-47=-784/0, 6-47=0/462, 11-42=-1730/0, 11-44=0/1363, 10-44=-1325/0, 10-45=0/929, 8-45=-963/0, 8-46=0/1252, 7-46=-885/0, 28-30=-1596/0, 28-31=0/1196, 27-31=-1226/0,											

NOTES-

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

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) Plates checked for a plus or minus 1 degree rotation about its center.
- 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.

27-33=0/964, 25-33=-755/0, 25-34=0/598, 23-34=-448/12, 23-35=-579/375, 14-42=-2135/0, 14-41=0/1731, 15-41=-1695/0, 15-40=0/1411, 17-40=-1282/0,

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

17-38=0/1057, 20-38=-1125/0, 20-36=0/1325, 21-36=-584/0

6) CAUTION, Do not erect truss backwards.

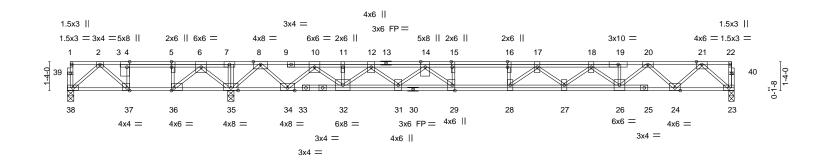


818 Soundside Road Edenton, NC 27932

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

[Job	Truss	Truss Type	Qty	Ply	LOT 3 AVERY POINTE					
	J0122-0489	F2	Floor	1	1	149926370					
	00122 0100					Job Reference (optional)					
	Comtech, Inc, Fayettev	ille, NC - 28314,	8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:09 2022 Page 1								
			ID:ayDjLV?s5JTJ6EXpVZkE3PydMqS-hhG4USwsPEKdKjRP87e6cOMk0mGmhddzFGeZRNzrBxq								





L	7-6-12			-10-8				
Plate Offsets (X,Y	7-6-12) [4:0-3-0,Edge], [5:0-3-0,Edge], [15:0-3	-0 Edge] [16:0-3-0 0-0-0]		-3-12 1-8 Edge	1 [37:0-1-8	Edgel		1
· ·				r o,Eugo				
LOADING (psf)	SPACING- 2-0-0	CSI.		in (loc)		L/d	PLATES	GRIP
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	TC 0.74 BC 0.67	Vert(LL) -0.3 Vert(CT) -0.4			480 360	MT20	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.79	Horz(CT) 0.0			n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 209 lb	FT = 20%F, 11%E
LUMBER-	· ·		BRACING-					
	4 SP No.1(flat) *Except*		TOP CHORD				ectly applied or 6-0-0 o	oc purlins,
-1 3OT CHORD 2x	13: 2x4 SP 2400F 2.0E(flat)		BOT CHORD		ot end verti		or 6-0-0 oc bracing.	
	4 SP No.3(flat)		BOTCHORD	Rigiu	cening une	cuy applieu c	or 0-0-0 oc bracing.	
	(size) 38=0-3-8, 35=0-3-8, 23=0-3-0 lax Uplift 38=-298(LC 4)							
	lax Grav 38=272(LC 3), 35=2243(LC 1), 23	3=1139(LC 7)						
	Max. Comp./Max. Ten All forces 250 (lb)							
	2-4=-223/1122, 4-5=-223/1084, 5-6=-223/1 11-12=-2542/0, 12-14=-4128/0, 14-15=-53							
	17-18=-5087/0, 18-19=-3819/0, 19-20=-38	, ,	7=-5529/0,					
	37-38=-324/246, 36-37=-1084/223, 35-36=		2-34=0/1472,					
:	31-32=0/3498, 29-31=0/4769, 28-29=0/532	9, 27-28=0/5371, 26-27=0)/4686, 24-26=0/3052,					
	23-24=0/1237							
	2-38=-324/428, 2-37=-1033/0, 4-37=0/651,							
	21-23=-1645/0, 21-24=0/1244, 20-24=-128 18-27=0/531, 17-27=-440/0, 17-28=-466/52	, ,	,					
	8-34=0/1653, 10-34=-1701/0, 10-32=0/139							
	14-29=0/1097, 15-29=-492/0	.,						
NOTES-							minin	1111.
	or live loads have been considered for this	desian					WH CA	ROUL
	x6 MT20 unless otherwise indicated.	accigin					N'R'	- Line
	for a plus or minus 1 degree rotation about						FESS	Chille Internet
,	nical connection (by others) of truss to bea	ing plate capable of withst	tanding 100 lb uplift at jo	int(s) exe	cept (jt=lb)		VII .	12.0
38=298.	Cotronghooks on odro anoosd at 10.0.0	an and fastaned to each t	www.e.with 2 40d (0 424"	V 0")		-	141	N 1 E
	k6 strongbacks, on edge, spaced at 10-0-0 be attached to walls at their outer ends or			x 3) nai	IS.	=	: SEA	L 1 1
	not erect truss backwards.	contained by other means				E	0363	22 =
, , -						- E	: 0303	44 i E
						to market		1 2
							A SNOW	ER. X S
							A CA C	E. CR N
							A. G	ILBEIN
							1, 1. 6	1

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

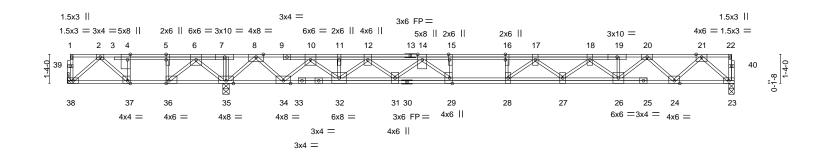


GI A. GILL January 27,2022

818 Soundside Road Edenton, NC 27932

	Job	Truss	Truss Type	Qty	Ply	LOT 3 AVERY POINTE					
						14992637					
	0122-0489 F2A		Floor	2	1						
						Job Reference (optional)					
Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:10 2022 Page											





L	7-3-4		30-7					
Plate Offsets (X,Y)	7-3-4 [4:0-3-0,Edge], [5:0-3-0,Edge	e], [15:0-3-0,Edge], [16:0-3-0,0-0-0],	23-3 [29:0-3-0,Edge], [36:0-1-		, [37:0-1-	8,Edge]		·
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCCL 5.0	Plate Grip DOL 1 Lumber DOL 1	-0-0 CSI. 1.00 TC 0.91 1.00 BC 0.66 YES WB 0.79 014 Matrix-S	DEFL. in Vert(LL) -0.33 Vert(CT) -0.45 Horz(CT) 0.05	28 28	l/defl >850 >620 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 208 lb	GRIP 244/190 FT = 20%F, 11%
BOT CHORD 2x4 S	SP No.1(flat) SP No.1(flat) SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	except	end vert	icals.	ectly applied or 2-2-0 or 6-0-0 oc bracing.	oc purlins,
Max	ze) 38=Mechanical, 35=0-3-4 Uplift 38=-353(LC 4) Grav 38=243(LC 3), 35=2287(
TOP CHORD 2-4 10- 16- BOT CHORD 37-3 31-3	=-152/1255, 4-5=-152/1229, 5- 11=-2364/0, 11-12=-2364/0, 12 17=-5214/0, 17-18=-5013/0, 18 38=-398/211, 36-37=-1229/152	250 (lb) or less except when shown 6=-152/1229, 6-7=0/2926, 7-8=0/29 2-14=-3974/0, 14-15=-5214/0, 15-16 3-19=-3771/0, 19-20=-3764/0, 20-21 2, 35-36=-2232/0, 34-35=-1274/0, 32 29=0/5214, 27-28=0/5282, 26-27=0/	42, 8-10=-84/262, =-5214/0, =-2108/0 2-34=0/1294,					
WEBS 2-38 21-2 18-2 10-3	8=-278/528, 2-37=-1130/0, 4-3 23=-1628/0, 21-24=0/1228, 20- 27=0/516, 17-27=-427/0, 17-28	7=0/712, 6-35=-1121/0, 6-36=0/156: -24=-1265/0, 20-26=0/991, 18-26=-1 3=-483/497, 8-35=-2211/0, 8-34=0/11 -32=-1268/0, 12-31=0/854, 14-31=-8	1113/0, 663,					
 All plates are 3x6 M Plates checked for Plates checked for Refer to girder(s) fo Provide mechanica 38=353. Recommend 2x6 s Strongbacks to be 	trongbacks, on edge, spaced a	ed.	uss with 3-10d (0.131" X	. ,			SEA 0363	• –

- 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.





GILB A. GIL January 27,2022

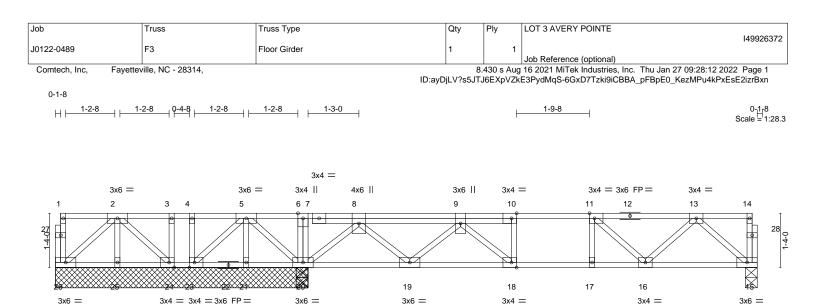


Plate Offsets (X,Y)-	- [10:0-1-8,Edge], [11:0-1-8,Edge]	, [18:0-1-8,Edge], [23:0-1-8,Edg	ge], [24:0-1-8,Edge]		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.39	Vert(LL) -0.05 18-19 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.36	Vert(CT) -0.06 18-19 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.44	Horz(CT) 0.01 15 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S		Weight: 103 lb	FT = 20%F, 11%E

TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sneatning directly applied or 6-0-0 oc purlins,
BOT CHORD	2x4 SP No.1(flat)		except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 6-2-8 except (jt=length) 15=0-3-8. (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 26 except 21=-206(LC 4), 23=-308(LC 4)

Max Grav All reactions 250 lb or less at joint(s) 26, 25, 21, 23, 24 except 20=1635(LC 9), 20=1595(LC 1), 15=557(LC 4)

6-2-8

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

- TOP CHORD 5-6=-30/1405. 6-8=-31/1406. 8-9=-427/0. 9-10=-1179/0. 10-11=-1174/0. 11-13=-883/0 BOT CHORD 21-23=-646/36, 20-21=-646/36, 19-20=-506/247, 18-19=0/1068, 17-18=0/1174,
- 16-17=0/1174, 15-16=0/583 WEBS 5-20=-1002/0, 5-23=-53/553, 8-20=-1249/0, 8-19=0/933, 9-19=-897/0, 9-18=-58/355, 13-15=-774/0, 13-16=0/417, 11-16=-396/0

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26 except (jt=lb) 21=206, 23=308.

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.

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 350 lb down and 195 lb up at 9-8-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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

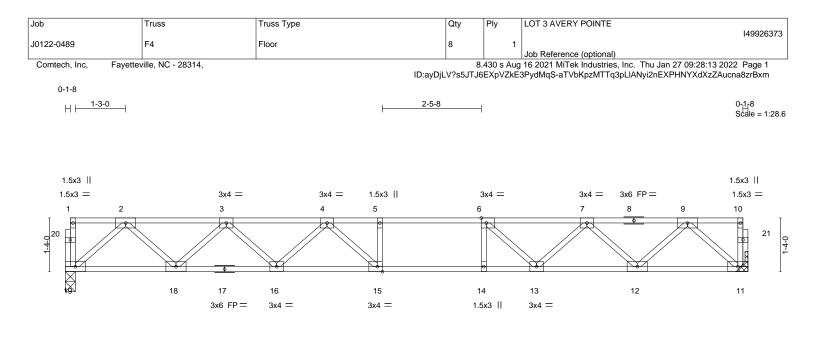
LOAD CASE(S) Standard

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

Vert: 15-26=-10, 1-14=-100 Concentrated Loads (lb) Vert: 9=-270(F)



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			16-11-8			
			16-11-8			1
Plate Offsets (X,Y)	[6:0-1-8,Edge], [15:0-1-8,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	n (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.72	Vert(LL) -0.26	6 15-16 >761 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 1.00	· · /	15-16 >582 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.45	Horz(CT) 0.05			
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 86 lb	FT = 20%F, 11%E
LUMBER-			BRACING-			
TOP CHORD 2x4 SF	P No.1(flat)		TOP CHORD	Structural wood sheathing dire	ectly applied or 6-0-0	oc purlins.
BOT CHORD 2x4 SF	P No.1(flat)			except end verticals.		
	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied o	r 1-4-12 oc bracing.	
				···g·=····g -····,	· · · · = • • • • • • • • • • • • • • •	
REACTIONS. (siz	e) 19=0-3-0. 11=Mechanical					
(312	.c) 13=0 0 0, 11=Mcchanica					

Max Grav 19=913(LC 1), 11=913(LC 1)

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

- TOP CHORD 2-3=-1655/0, 3-4=-2679/0, 4-5=-3115/0, 5-6=-3115/0, 6-7=-2678/0, 7-9=-1655/0
- BOT CHORD 18-19=0/983, 16-18=0/2304, 15-16=0/3008, 14-15=0/3115, 13-14=0/3115, 12-13=0/2287, 11-12=0/988
- WEBS 2-19=-1305/0, 2-18=0/935, 3-18=-903/0, 3-16=0/523, 4-16=-457/0, 9-11=-1313/0, 9-12=0/928, 7-12=-879/0, 7-13=0/590, 6-13=-756/0, 4-15=-141/503, 5-15=-250/0

NOTES-

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

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

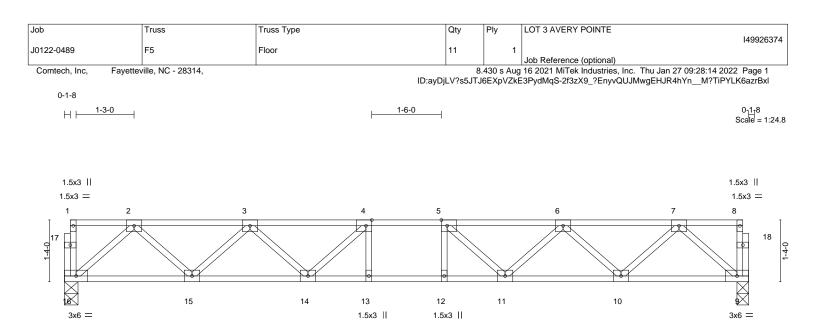
Strongbacks to be attached to walls at their outer ends or restrained by other means.



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

TRENGINEERING BY RENCO A MITEK Affiliate 818 Soundside Road

Edenton, NC 27932



			14-9-0				
Plate Offsets (X,Y) [4:0-1-8,Edge], [5:0-1-8,Edge]		14-9-0				
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 0.30 BC 0.61 WB 0.36 Matrix-S	Vert(LL) -0.1	n (loc) l/defl D 12-13 >999 4 12-13 >999 3 9 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 77 lb	GRIP 244/190 FT = 20%F, 11%E
UMBER- OP CHORD 2x4 SP OT CHORD 2x4 SP	No.1(flat) No.3(flat)	BRACING- TOP CHORD BOT CHORD	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.				

Max Grav 16=791(LC 1), 9=791(LC 1)

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

TOP CHORD 2-3=-1395/0, 3-4=-2154/0, 4-5=-2385/0, 5-6=-2154/0, 6-7=-1395/0

BOT CHORD 15-16=0/845, 14-15=0/1915, 13-14=0/2385, 12-13=0/2385, 11-12=0/2385, 10-11=0/1915, 9-10=0/845

WEBS 2-16=1122/0, 2-15=0/765, 3-15=-723/0, 3-14=0/386, 4-14=-462/0, 7-9=-1122/0, 7-10=0/765, 6-10=-723/0, 6-11=0/386, 5-11=-462/0

NOTES-

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

2) All plates are 3x4 MT20 unless otherwise indicated.

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

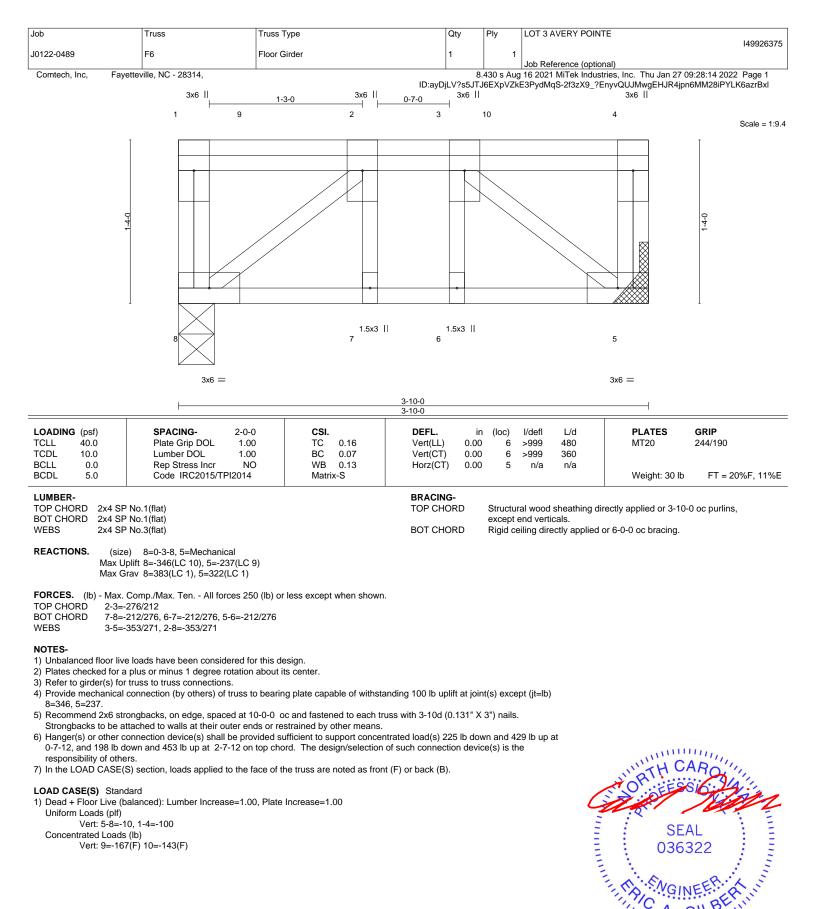
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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

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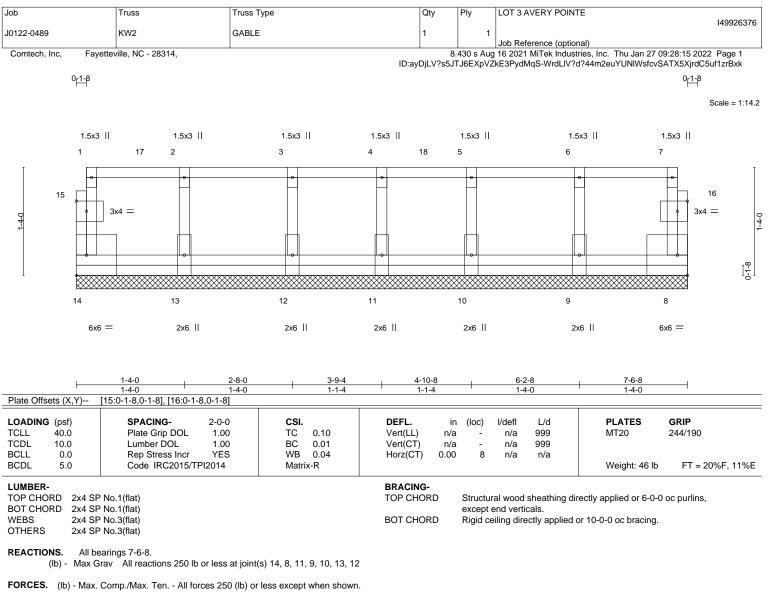


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January 27,2022

GI





NOTES-

- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down at 0-10-12, 73 lb down at 2-4-12, and 73 lb down at 4-4-12, and 73 lb down at 6-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
 - Vert: 8-14=-10, 1-7=-100
 - Concentrated Loads (lb)
 - Vert: 6=-73(F) 3=-73(F) 17=-76(F) 18=-73(F)



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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Job		Truss		Truss Type			Qty	Ply	LOT 3 AVER	Y POINTE			140000077
Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:16 2022 Page 1 ID:ayDjLV?s5JTJ6EXpVZkE3PydMqS_2Bjyr0FmOCdgoTI25GIPs95qapIg_A7ssqRBTzFky 01+8 01+8 01+8 3x6 FP = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16	J0122-0489		KW4		Floor Supp	orted Gable		1	1					149926377
D:ayDjLV?s5JT.J6EXpVZkE3PydMqS2Bjyr0FmOCdgoTl25GlPs95qaplq_A?ssqRBTzTBxj 01/18 Scale = 1:28.1														
Scale = 1:28.1 Scale = 1:28.1 36 FP =	Comtech, Inc,	Fayette	ville, NC - 28314,					ID:ayDjLV						
3x6 FP = 1 $1 2 3 4 5 6 7 8 9 10 11 12 13 14 15$ $4 4 5 6 7 8 9 10 11 12 13 14 15$ $4 4 4 4 4 4 4 4 4 4$	0- <mark>1</mark> -8													0- <mark>11</mark> 8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 $4 5 6 7 8 9 10 11 12 13 14 15$ $4 5 6 7 8 9 10 11 12 13 14 15$ $3 2 9 28 27 26 25 24 23 22 21 20 19 18 17 16$														Scale = 1:28.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 $4 5 6 7 8 9 10 11 12 13 14 15$ $4 5 6 7 8 9 10 11 12 13 14 15$ $3 2 9 28 27 26 25 24 23 22 21 20 19 18 17 16$														
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31 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5									3x6	FP =				
31 -	1	2	3	4	5	6	7	8	9 10	11	12	13	14	15
30 29 28 27 26 25 24 23 22 21 20 19 18 17 16	31	•	0	<u>e</u>	•		0	0			0	0	•	32
	4													L 4
3x4 = 3x6 FP = 3x4 =	30	29	28	27	26 2	5 24	23	22	21	20	19	18	17	16
	3x4 =				3x6	; FP =								3x4 =

			16-11-8 16-11-8				I
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 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. ii Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - a -	/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 75 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) OTHERS 2x4 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.) oc purlins,

REACTIONS. All bearings 16-11-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 24, 23, 22, 21, 20, 19, 18, 17

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

NOTES-

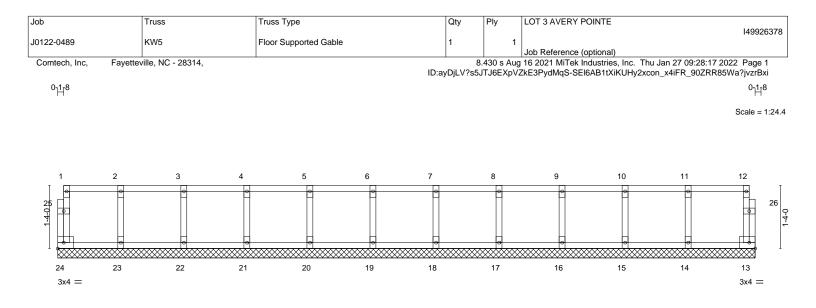
1) All plates are 1.5x3 MT20 unless otherwise indicated.

- 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.



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14-9-0										
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00	CSI. TC 0.07	DEFL. Vert(LL) n	in (loc) l/defl L/d /a - n/a 999	PLATES MT20	GRIP 244/190				
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr YES	BC 0.01 WB 0.03	Vert(CT) n Horz(CT) 0.0	/a - n/a 999 00 13 n/a n/a						
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R			Weight: 66 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 6-0-0 oc purlins, except end verticals.						
WEBS 2x4 SP No.3(flat)			BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.						

14-9-0

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 14-9-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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.



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