

RE: J0123-0256 Lot 17 Williams Farms Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J0123-0256 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2018/TPI2014 Wind Code: N/A Roof Load: N/A psf Design Program: MiTek 20/20 8.4 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 13 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	151650227	F01	5/2/2022
2	151650228	F02	5/2/2022
3	151650229	F03	5/2/2022
4	151650230	F04	5/2/2022
5	151650231	F05	5/2/2022
6	151650232	F06	5/2/2022
7	151650233	F07	5/2/2022
8	151650234	F08	5/2/2022
9	151650235	F09	5/2/2022
10	151650236	F10	5/2/2022
11	151650237	KW1	5/2/2022
12	151650238	KW2	5/2/2022
13	151650239	KW3	5/2/2022

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

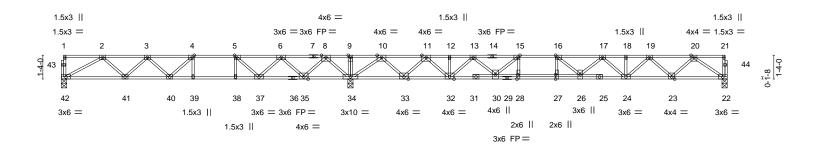
My license renewal date for the state of North Carolina is December 31, 2023

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 17 Williams Farms	
						-		151650227
J0123-0256		F01	Floor		3	1		
							Job Reference (optional)	
Comtech, Inc,	Fayettev	/ille, NC - 28314,			8	.430 s Aug	g 16 2021 MiTek Industries, Inc. Thu Apr	28 15:02:02 2022 Page 1
				ID:GkN/	ARKr7gHkr	nb3G?Mse	eBAQzy7GQ-PbRICIUHB9jYnygFVyr?C1	ZhtlC22FoD35j?57zM973
0-1-8								
2-0-12	2 1-3-0	2-3-0		1-7-6			2-0-0	<u>1-7-6 0-1-8</u>
H								Scale: 3/16"=1'



ŀ	<u> </u>		<u>25-3-12</u> 9-1-8	28-0-8	<u> </u>	—
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [15:0-1-8	3,Edge], [16:0-1-8,Edge],	[27:0-3-0,0-0-0], [28:0-3-	0,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 IRC2018/TPI2014	CSI. TC 0.82 BC 0.88 WB 0.69 Matrix-S	DEFL. in Vert(LL) -0.30 Vert(CT) -0.40 Horz(CT) 0.06	27 >833 480 26-27 >622 360	PLATES GRIF MT20 244/7 Weight: 200 lb FT	
BOT CHORD 2x4 S 36-42	P No.1(flat) P No.1(flat) *Except* : 2x4 SP 2400F 2.0E(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing di except end verticals. Rigid ceiling directly applied	rectly applied or 5-11-14 oc pr or 6-0-0 oc bracing.	urlins,
REACTIONS. (si	P No.3(flat) ze) 42=0-3-8, 34=0-3-8, 22=0-3-8					

Max Grav 42=769(LC 3), 34=2435(LC 1), 22=1011(LC 4)

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

 TOP CHORD
 2-3=-1650/0, 3-4=-2171/132, 4-5=-2144/445, 5-6=-1547/906, 6-8=-377/1534,
 8-9=0/3013, 9-10=0/3014, 10-11=-390/574, 11-12=-2143/0, 12-13=-2143/0, 13-15=-3350/0, 15-16=-3995/0, 16-17=-3909/0, 17-18=-3244/0, 18-19=-3244/0, 19-20=-2085/0

BOT CHORD $41 - 42 = 0/1211, \ 40 - 41 = 0/2064, \ 39 - 40 = -445/2144, \ 38 - 39 = -445/2144, \ 37 - 38 = -445/2144, \ 38 - 38 = -445/214, \ 38 =$ 35-37=-1219/1077, 34-35=-1976/0, 33-34=-1250/0, 32-33=-268/1364, 30-32=0/2861, 28-30=0/3995, 27-28=0/3995, 26-27=0/3995, 24-26=0/3709, 23-24=0/2769, 22-23=0/1357 WEBS 8-34=-1577/0, 8-35=0/1182, 6-35=-1122/0, 6-37=0/846, 5-37=-1188/0, 5-38=0/468, 2-42=-1378/0, 2-41=-14/610, 3-41=-576/47, 4-40=0/544, 4-39=-432/0, 10-34=-2152/0, 10-33=0/1455, 11-33=-1415/0, 11-32=0/1120, 13-32=-1018/0, 13-30=0/724, 15-30=-1113/0, 15-28=-12/544, 20-22=-1648/0, 20-23=0/1013, 19-23=-952/0, 19-24=0/646, 17-24=-632/0, 17-26=0/331, 16-26=-374/370, 16-27=-431/116

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) 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.

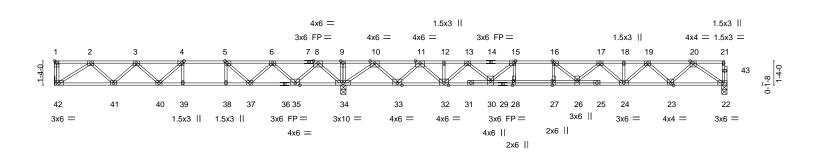
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Lot 17 Williams Farms
					151650228
J0123-0256	F02	Floor	3	1	
					Job Reference (optional)
Comtech, Inc, Fayette	ville, NC - 28314,		8	.430 s Aug	16 2021 MiTek Industries, Inc. Thu Apr 28 15:02:03 2022 Page 1
		ID:GkN	IARKr7gHl	mb3G?Ms	seBAQzy7GQ-tn?gQeUvyTrPP6FR2fMEIF6s_iYrni1MIISYeazM972
1-9-0 1-3-0	2-3-0	1-7-6			<u>2-0-4</u> <u>1-7-60</u> - <u>1</u> -8
					Scale: 3/16"=1'



	<u>15-10-8</u> 15-10-8	<u>15-10-12</u> 0-0-4	<u>25-0-0</u> 9-1-4	27-9-0	37-0-0 9-3-0	
Plate Offsets (X,	() [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8	3,Edge], [15:0-1-8,Edge], [1	16:0-1-8,Edge], [27:0-3-0	0,0-0-0], [28:0-3-0,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 IRC2018/TPI2014	CSI. TC 0.80 BC 0.85 WB 0.69 Matrix-S	Vert(LL) -0.30	26-27 >619 360	PLATES MT20 Weight: 199 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2	x4 SP No.1(flat) x4 SP No.1(flat) *Except* 6-42: 2x4 SP 2400F 2.0E(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing di except end verticals. Rigid ceiling directly applied		2 oc purlins,

WEBS 2x4 SP No.3(flat)

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

 TOP CHORD
 2-3=-1494/0, 3-4=-2054/140, 4-5=-2061/452, 5-6=-1498/909, 6-8=-363/1535, 8-9=0/3007, 9-10=0/3008, 10-11=-395/555, 11-12=-2150/0, 12-13=-2150/0, 13-15=-3359/0, 15-16=-4006/0, 16-17=-3919/0, 17-18=-3251/0, 18-19=-3251/0,

 19-20=-2088/0

 BOT CHORD
 41-42=0/1039, 40-41=-3/1927, 39-40=-452/2061, 38-39=-452/2061, 37-38=-452/2061, 35-37=-1220/1048, 34-35=-1975/0, 33-34=-1243/0, 32-33=-250/1370, 30-32=0/2868, 28-30=0/4006, 27-28=0/4006, 24-26=0/3717, 23-24=0/2774, 22-23=0/1359

 WEBS
 8-34=-1554/0, 8-35=0/1163, 6-35=-1104/0, 6-37=0/822, 5-37=-1151/0, 5-38=0/451, 2-42=-1235/0, 2-41=-14/634, 3-41=-602/42, 4-40=-9/510, 4-39=-415/0, 10-34=-2153/0, 10-33=0/1456, 11-33=-1416/0, 11-32=-0/1121, 13-32=-1019/0, 13-30=0/724, 15-30=-1115/0, 15-28=-13/544, 20-22=-1651/0, 20-23=0/1015, 19-23=-954/0,

19-24=0/648, 17-24=-634/0, 17-26=0/335, 16-26=-380/366, 16-27=-430/118

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

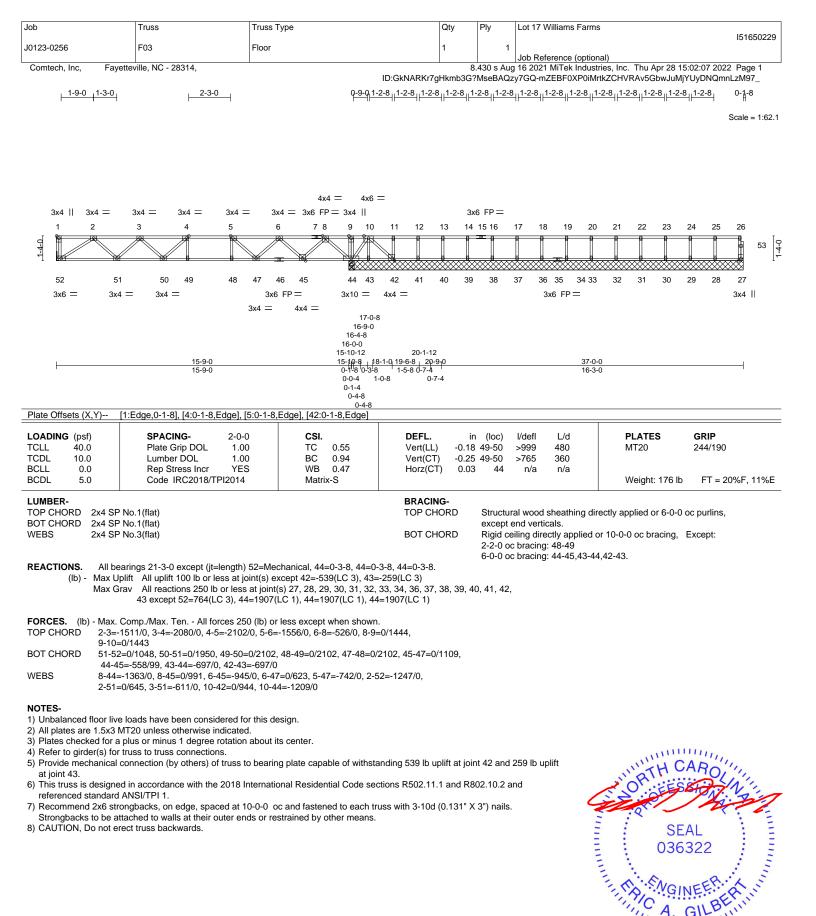
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 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.



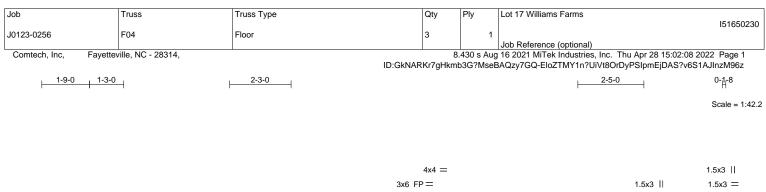


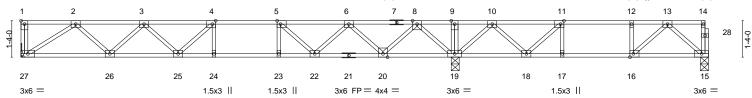
REACTIONS. (size) 34=0-3-8, 42=Mechanical, 22=0-3-8 Max Grav 34=2420(LC 1), 42=758(LC 3), 22=1012(LC 4)



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 May 2,2022







	15-10-8 15-10-8 Diffsets (X,Y) [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,Edge], [16:0-1					25-2-0 9-3-4	
Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,	±agej, [11:0-1-8,±agej, [16:0-1-8,Edgej				
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 IRC2018/TPI2014	CSI. TC 0.58 BC 0.97 WB 0.46 Matrix-S	Vert(LL) -0.19	9 24-25 5 24-25	l/defl L/d >999 480 >757 360 n/a n/a	PLATES MT20 Weight: 128 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except e	al wood sheathing di nd verticals. iling directly applied o	rectly applied or 6-0-0 o	oc purlins,
REACTIONS. (siz	re) 27=Mechanical, 19=0-3-8, 15=0-3-8						

Max Grav 27=814(LC 10), 19=1582(LC 1), 15=423(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1641/0, 3-4=-2316/0, 4-5=-2440/0, 5-6=-1996/0, 6-8=-975/50, 8-9=0/1093,

9-10=0/1093, 10-11=-348/292, 11-12=-660/57, 12-13=-660/57

BOT CHORD 26-27=0/1128, 25-26=0/2125, 24-25=0/2440, 23-24=0/2440, 22-23=0/2440, 20-22=0/1610, 26-27=0/1128, 25-26=0/2125, 24-25=0/2440, 23-20-262400, 23-20-26240, 23-20-2000, 23-20-26240, 23-20240, 23-20240, 23-20000, 23-2000, 23-20000, 23-20000, 23-20000, 23-2000, 23-2000, 23-200000

 19-20=-269/312, 18-19=-481/32, 17-18=-57/660, 16-17=-57/660, 15-16=0/406

 WEBS
 8-19=-1341/0, 8-20=0/968, 6-20=-924/0, 6-22=0/594, 5-22=-759/0, 2-27=-1342/0,

2-26=0/713, 3-26=-674/0, 3-25=0/291, 4-25=-300/116, 10-19=-852/0, 10-18=0/559, 11-18=-615/0, 13-15=-536/0, 13-16=-102/346

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

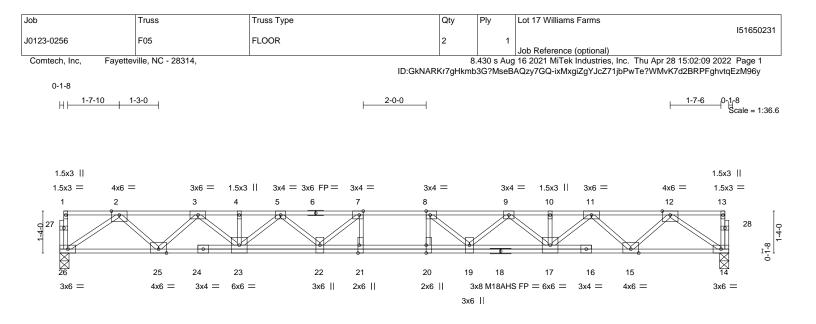
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.







 	9-3-0 9-3-0	<u> </u>			<u>21-3-0</u> 9-3-0		
Plate Offsets (X,Y)	[7:0-1-8,Edge], [8:0-1-8,Edge], [20:0-3-0),0-0-0], [21:0-3-0,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 IRC2018/TPI2014	CSI. TC 0.68 BC 0.73 WB 0.57 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.36 20-21 >	l/defl L/d ≽696 480 ⊳506 360 n/a n/a	PLATES MT20 M18AHS Weight: 127 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BRACING- BOT CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals. BOT CHORD 2x4 SP No.1(flat) BOT CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals. WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (size) 26=0-3-8, 14=0-3-8 Max Gray 26=1149(LC 1), 14=1149(LC 1)							oc purlins,
TOP CHORD 2-3= 9-10 BOT CHORD 25-2 17-' WEBS 2-26 7-22	Comp./Max. Ten All forces 250 (lb) or -2423/0, 3-4=-4035/0, 4-5=-4035/0, 5-7= =-4026/0, 10-11=-4026/0, 11-12=-2408/0 6=0/1561, 23-25=0/3312, 22-23=0/4641, 9=0/4634, 15-17=0/3300, 14-15=0/1544 =-1889/0, 2-25=0/1199, 3-25=-1236/0, 3 =-724/131, 7-21=-300/316, 12-14=-1876 7=0/964, 9-17=-807/0, 9-19=0/529, 8-19	-4962/0, 7-8=-5236/0, 8-9) 21-22=0/5236, 20-21=0/5 -23=0/961, 5-23=-804/0, 5 /0, 12-15=0/1202, 11-15=	=-4958/0, 5236, 19-20=0/52; 5-22=0/527, -1240/0,	36,			

NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

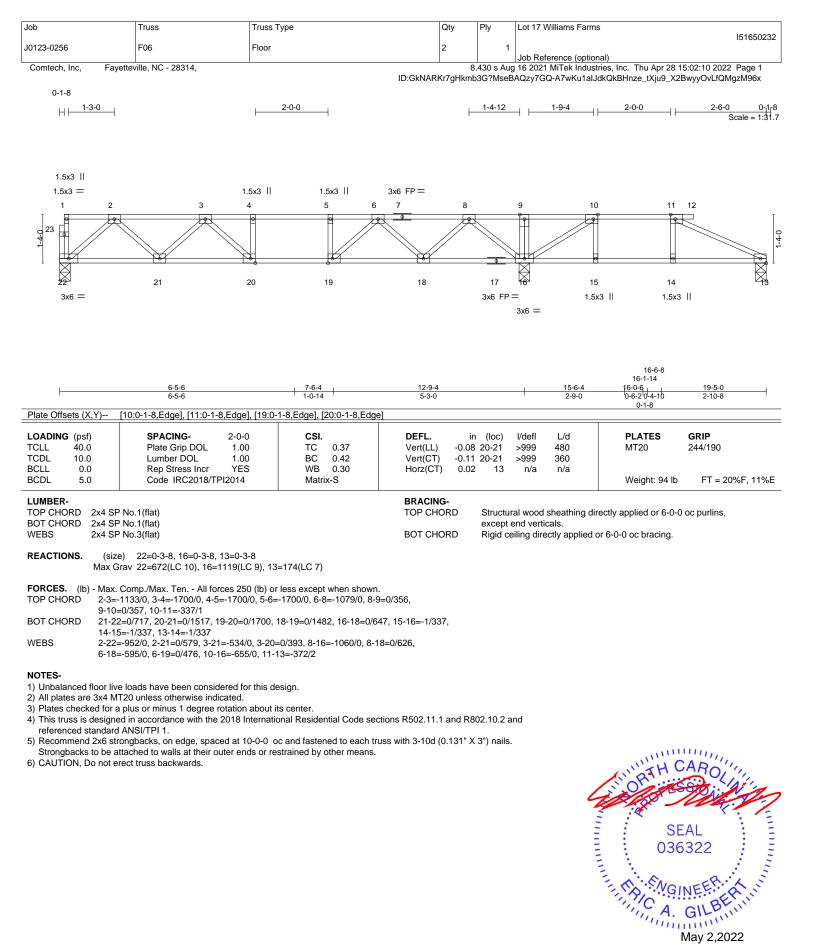
3) Plates checked for a plus or minus 1 degree rotation about its center.

4) 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.

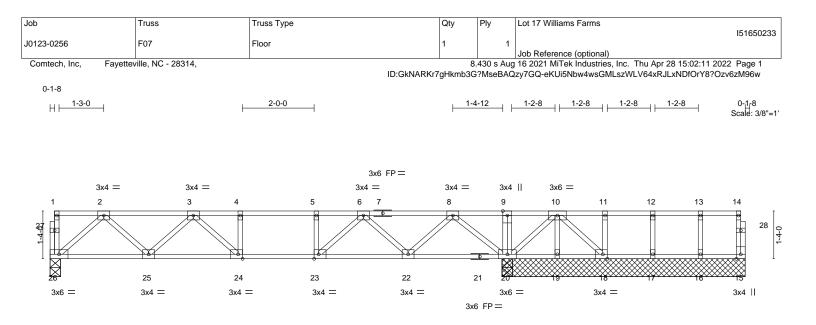
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.











L	6-5-6	7-6-4	12-9-4			19-5-0	
I	6-5-6	1-0-14	5-3-0			6-7-12	
Plate Offsets (X,Y)	[18:0-1-8,Edge], [23:0-1-8,Edge], [24:0	-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 IRC2018/TPI2014	CSI. TC 0.39 BC 0.43 WB 0.32 Matrix-S	Vert(LL) -0.08	(loc) l/defl 24-25 >999 24-25 >999 20 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 101 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S REACTIONS. All b (lb) - Max l	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat) Diff All uplift 100 lb or less at joint(s) e Grav All reactions 250 lb or less at joint 20=1284(LC 8), 20=1280(LC 1), 20	8, 26=0-3-8, 20=0-3-8, 20= xcept 19=-102(LC 3), 18=- (s) 15, 19, 18, 17, 16 exce	-236(LC 3)	except end verti Rigid ceiling dire 6-0-0 oc bracing	cals. ectly applied o	ectly applied or 6-0-0 c	oc purlins,
TOP CHORD 2-3= 9-10 BOT CHORD 25-2 WEBS 2-26	. Comp./Max. Ten All forces 250 (lb) o -1011/0, 3-4=-1393/0, 4-5=-1393/0, 5-6= =0/920 6=0/650, 24-25=0/1325, 23-24=0/1393, =-863/0, 2-25=0/502, 3-25=-436/0, 8-20 =0/502, 5-23=-254/0, 10-20=-753/0, 10-	1393/0, 6-8=-584/0, 8-9= 22-23=0/1061, 19-20=-35(=-1118/0, 8-22=0/673, 6-2:	0/920, 0/0, 18-19=-350/0				
 All plates are 1.5x3 Plates checked for Provide mechanica at joint 18. 	ve loads have been considered for this d MT20 unless otherwise indicated. a plus or minus 1 degree rotation about I connection (by others) of truss to bearin ing condition. Review required.	its center.	nding 102 lb uplift at join	t 19 and 236 lb u	plift		

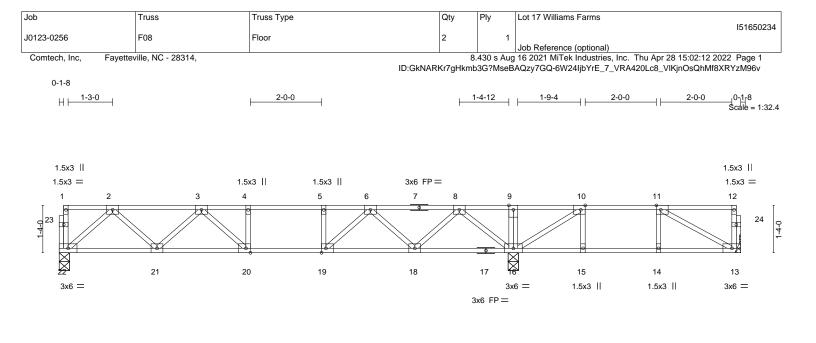
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.





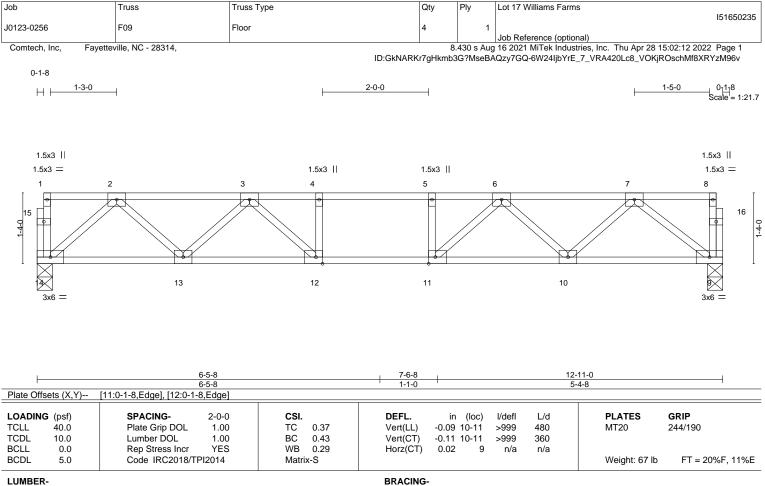


	6-5-6	7-6-4	12-9-4		15-6-4	16-6-6 17-6-8	19-2-0
	6-5-6	1-0-14	5-3-0	1	2-9-0	1-0-2 1-0-2	1-7-8
Plate Offsets (X,Y)	[10:0-1-8,Edge], [11:0-1-8,Edge], [19:0-	-1-8,Edge], [20:0-1-8,Edge	e]				
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.35 BC 0.41	Vert(LL) -0.08 Vert(CT) -0.10	(loc) l/de 20-21 >99 20-21 >99	9 480 9 360	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2018/TPI2014	WB 0.30 Matrix-S	Horz(CT) 0.02	13 n.	/a n/a	Weight: 99 lb	FT = 20%F, 11%E
BOT CHORD 2x4 SI	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except end v		ctly applied or 6-0-0 6-0-0 oc bracing.	oc purlins,
	earings 0-3-8 except (jt=length) 13=Mec Grav All reactions 250 lb or less at joint 1), 13=329(LC 7)), 22=665(LC 1), 16=112	3(LC 9), 16=1	116(LC		
TOP CHORD 2-3= 9-10	. Comp./Max. Ten All forces 250 (lb) o -1139/0, 3-4=-1714/0, 4-5=-1714/0, 5-6= 9=0/375, 10-11=-403/26	-1714/0, 6-8=-1102/0, 8-9	9=0/374,				
14-1	2=0/720, 20-21=0/1526, 19-20=0/1714, 5=-26/403, 13-14=-26/403	,	, , ,				
	e=-956/0, 2-21=0/583, 3-21=-538/0, 3-20= =-598/0, 6-19=0/459, 10-16=-675/0, 11-	, , ,	18=0/628,				
 2) All plates are 3x4 M 3) Plates checked for 4) Refer to girder(s) for 5) Non Standard bear 	ve loads have been considered for this do IT20 unless otherwise indicated. a plus or minus 1 degree rotation about i or truss to truss connections. ing condition. Review required. ed in accordance with the 2018 Internati d ANS/ITPI 1.	ts center.	ctions R502.11.1 and R8	02.10.2 and		NUNORTH C	
	rongbacks, on edge, spaced at 10-0-0 c attached to walls at their outer ends or re		uss with 3-10d (0.131" X	3") nails.		IN OR FES	Sign

8) CAUTION, Do not erect truss backwards.







TOP CHORD

BOT CHORD

TOP CHORD

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

REACTIONS. (size) 14=0-3-8, 9=0-3-8 Max Grav 14=690(LC 1), 9=690(LC 1)

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

TOP CHORD 2-3=-1170/0, 3-4=-1792/0, 4-5=-1792/0, 5-6=-1792/0, 6-7=-1227/0

BOT CHORD 13-14=0/737, 12-13=0/1575, 11-12=0/1792, 10-11=0/1610, 9-10=0/811

2-14=-978/0, 2-13=0/602, 3-13=-564/0, 3-12=0/480, 7-9=-1028/0, 7-10=0/579,

6-10=-532/0, 6-11=0/446

NOTES-

WEBS

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) 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. 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.

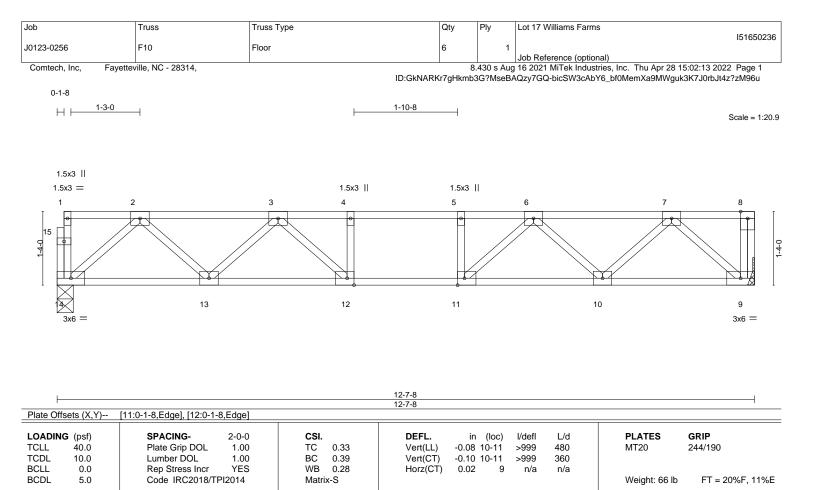


Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.





BRACING-

TOP CHORD

BOT CHORD

BOT CHORD WEBS

LUMBER-

WEBS

TOP CHORD

BOT CHORD

REACTIONS.

TOP CHORD

6-10=-538/0, 6-11=0/440

(size) 14=0-3-8, 9=Mechanical Max Grav 14=674(LC 1), 9=681(LC 1)

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

2-3=-1136/0, 3-4=-1713/0, 4-5=-1713/0, 5-6=-1713/0, 6-7=-1137/0

13-14=0/718, 12-13=0/1524, 11-12=0/1713, 10-11=0/1524, 9-10=0/719

2-14=-954/0, 2-13=0/581, 3-13=-539/0, 3-12=0/440, 7-9=-957/0, 7-10=0/581,

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

2x4 SP No.1(flat)

2x4 SP No.1(flat)

2x4 SP No.3(flat)

5) 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.

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.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.



Job	Truss		٦	Truss Type					Qty	Ply	Lot 17 V	/illiams Fa	irms				151650237
J0123-0256	KW1		F	Floor Suppo	orted Gabl	e			1	1	Job Ref	erence (op	tional)				151050257
Comtech, Inc, Fay	etteville, NC - 28	8314,						ID:GkNARK		8.430 s Aug nb3G?MseB	16 2021	MiTek Ind	lustries, Ir				
																	0- <u>1</u> -8
																	Scale = 1:42.0
3x4								3x6 FP=									
1 2	3 4	5	6	7	8	9	10	1112	13	14	15	16	17	18	19	20	21
-1-4-0 	<u>e</u> e			•	8	8	•		6	•	0		•	8	•	e	e 43 (
					****	~~~~~	<u>~~~~</u>							~~~~~	~~~~~	****	t &
42 41	40 39	38	37	36	35	34	33	32 31		29	28	27	26	25	24	23	22
3x4								3x6	FP =								3x4 =

I.			25-2-0			I
Plate Offsets (X,Y)	[1:Edge,0-1-8], [42:Edge,0-1-8]					
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 IRC2018/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. Vert(LL) n. Vert(CT) n. Horz(CT) 0.0	'a - n/a 999	PLATES MT20 Weight: 110 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	 No.1(flat) No.1(flat) No.3(flat) 		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	2 11	oc purlins,

25-2-0

TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applie
BOT CHORD	2x4 SP No.1(flat)		except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 o
OTHERS	2x4 SP No.3(flat)		

REACTIONS. All bearings 25-2-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 22, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23

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

NOTES-

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) 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.
- 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.





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

Job	Truss	Truss Type		Qty	Ply	Lot 17 Williams Farms			151650238
J0123-0256	KW2	Floor Supported Gable		1	1	Job Reference (optional	`		151650236
Comtech, Inc, Fayette	⊥ ville, NC - 28314,		ID:GkNAF			16 2021 MiTek Industrie BAQzy7GQ-X5jDxleQ79	s, Inc. Thu Ap		
0 ₁₁ 8									0 ₁ 18
									Scale = 1:21.
1 2	3	4 5	6	7		8	9	10	11
	•	<u>e</u>	0		•	0	•	•	24

22 21	20	19 18	17	1	6	15	14	13	12
3x4 =									3x4 =

			12-11-0 12-11-0			
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 IRC2018/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.00	a - n/a 999	PLATES MT20 Weight: 58 lb	GRIP 244/190 FT = 20%F, 11%E
	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing dire	ectly applied or 6-0-0	oc purlins,

BOT CHORD

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

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

REACTIONS. All bearings 12-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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) 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.

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.





$\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 17 Williams Farms		154050000
Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Apr 28 15:02:15 2022 Page 1 ID:GkNARK/r7gHkmb3G?MseBAQ2y7GQ-X5jDxleQ79MiryAklBa2Emc5XYmbHL73cMB2tzM96s 01178 0118 0118 Comtech, Inc, Tu Apr 28 15:02:15 2022 Page 1 ID:GkNARK/r7gHkmb3G?MseBAQ2y7GQ-X5jDxleQ79MiryAklBa2Emc5XYmbHL73cMB2tzM96s 01178 Scale = 1:20.8 Comtech, Inc, Tu Apr 28 15:02:15 2022 Page 1 ID:GkNARK/r7gHkmb3G?MseBAQ2y7GQ-X5jDxleQ79MiryAklBa2Emc5XYmbHL73cMB2tzM96s Other Structure 0118 10 11 Other Structure Other Structure Other Structure Scale = 1:20.8 Other Structure Other S	J0123-0256	кwз	Floor Supported Gable	1	1	Job Reference (optional)		151650235
Scale = 1:20.8	Comtech, Inc, Fayette	ville, NC - 28314,		ID:GkNARKr7		16 2021 MiTek Industries, In		
1 2 3 4 5 6 7 8 9 10 11 2 4 5 7 8 10 11 2 4 5 7 8 10 10 11 2 4 5 7 8 10 10 10 10 10 10 10 10 10 10 10 10 10	0 ₁₁ 8							0 ₁ 1 ₇ 8
23 4 4 4 4 4 4 4 4 4 4 4 4 4								Scale = 1:20.
23 4 4 4 4 4 4 4 4 4 4 4 4 4								
q i <td>1 2</td> <td>3</td> <td>4 5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10 11</td>	1 2	3	4 5	6	7	8	9	10 11
0 0 <td></td> <td>0</td> <td>0</td> <td>•</td> <td>•</td> <td>0</td> <td>•</td> <td>• • • • • •</td>		0	0	•	•	0	•	• • • • • •
22 21 20 19 18 17 16 15 14 13 12	0-4-							
3x4 =	22 21	20	19 18	17	16	15	14	13 12
	3x4 =							3x4 =

			12-7-8 12-7-8	
LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. in (loc) I/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 12 n/a n/a	PLATES GRIP MT20 244/190 Weight: 58 lb FT = 20%F, 11%E
LUMBER-	P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing dire except end verticals.	ectly applied or 6-0-0 oc purlins,

BOT CHORD

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

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

REACTIONS. All bearings 12-7-8.

2x4 SP No.3(flat)

(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

OTHERS

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) 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.
- 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.



