

Trenco 818 Soundside Rd Edenton, NC 27932

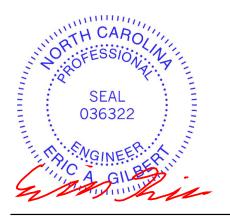
Re: J0322-1086 Lot 35 Oak Haven

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I50512824 thru I50512831

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

North Carolina COA: C-0844

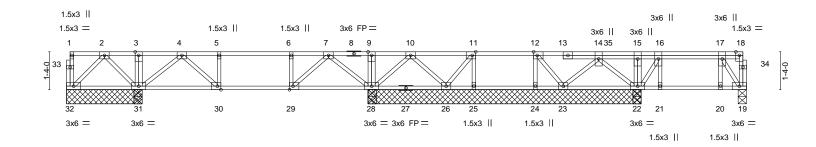


March 2,2022

Gilbert, Eric

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

Job	Truss	Truss Type	Qty	Ply	Lot 35 Oak Haven		
							150512824
J0322-1086	F01	Floor Girder	1	1			
					Job Reference (optional)		
Comtech, Inc, Fayettev	rille, NC - 28314,		8	.430 s Aug	16 2021 MiTek Industries, Inc	. Tue Mar 1 12:50:10 202	2 Page 1
		ID:	ZyxR5MYex	<pre>Mn1OulsF</pre>	RggYZvzvq71-sSfrBjigKw3GoG	pyiqEsqxEUzxLG7loksPH	9JpzfHcR
0-1-8							
H 1-1-0 1-1-0	1-4-12 1-3-0 2-5	5-0 1-4-12	<mark>0-11-0</mark> −	2-0-8		<u>0-7-4</u> <u>2-0-0</u> <u>0-7-</u>	40-1-8 Scale = 1:40.6



2-6-8	<u>2-8-0</u> 0-1-8	<u>10-7-8</u> 7-11-8	10 ₁ 9-0 0-1-8	13-4-8	<u>15-5-4</u> 2-0-12		17-6-0 2-0-12		20-1-8 2-7-8	20 ₁ 3-0 0-1-8	<u>23-11-8</u> 3-8-8	
Plate Offsets (X,Y)	[11:0-1-8,Edge], [12:0-1-8,E	dge], [29:0-1-8,Edge], [3	80:0-1-8,Edge]		-							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0		2-0-0 CSI. 1.00 TC 1.00 BC NO WB 014 Matrix	0.21 0.09 0.17 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00		l/defl >999 >999 n/a	L/d 480 360 n/a		PLATES MT20 Weight: 13	GRIP 244/190 7 lb FT = 2	0%F, 11%E
BOT CHORD 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)			BRACING- TOP CHOF BOT CHOF	RD	except	end vertie	cals.		y applied or 6-	• •	
REACTIONS. All	pearings 9-7-8 except (jt=leng Uplift All uplift 100 lb or less	, , , ,	,			rtigid c						

Max Grav All reactions 250 lb or less at joint(s) 32, 26, 23, 25, 24 except 28=747(LC 12), 28=730(LC 1), 31=787(LC 11), 31=764(LC 1), 22=447(LC 11), 22=444(LC 1), 19=261(LC 1)

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

TOP CHORD 2-3=0/385, 3-4=0/386, 4-5=-369/0, 5-6=-369/0, 6-7=-369/0, 7-9=0/392, 9-10=0/391 BOT CHORD 29-30=0/369 WFBS

2-31=-357/0, 4-31=-565/0, 4-30=0/359, 7-28=-566/0, 7-29=0/360, 10-28=-335/0, 16-22=-305/0, 17-19=-298/0

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 32.
- 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) 136 lb down at 19-1-4, and 136 Ib down at 21-1-4, and 139 lb down at 23-1-4 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: 19-32=-10, 1-18=-100 Concentrated Loads (lb)

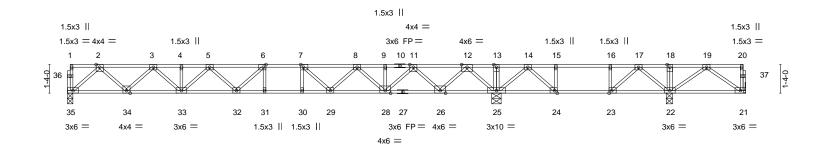
Vert: 16=-56(B) 17=-72(B) 35=-56(B)



818 Soundside Road Edenton, NC 27932



Job	Truss	Truss Type	Qty	Ply	Lot 35 Oak Haven
				-	150512825
J0322-1086	F02	Floor	4	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	ille, NC - 28314,		8	.430 s Aug	16 2021 MiTek Industries, Inc. Tue Mar 1 12:50:11 2022 Page 1
		ID:Zyx	R5MYexM	n1OulsRg	gYZvzvq71-KeDDP3jl4EB7PQN9GXl5M9nYfLYbsdeu431irGzfHcQ
0-1-8					
H ⊢ 1-3-0		1-7-8		1-4-0	<u>2-5-0</u> <u>1-4-0</u> <u>1-7-0</u> <u>1-7-0</u> <u>0</u> - <u>1</u> -8
				1	Scale = 1:53.7



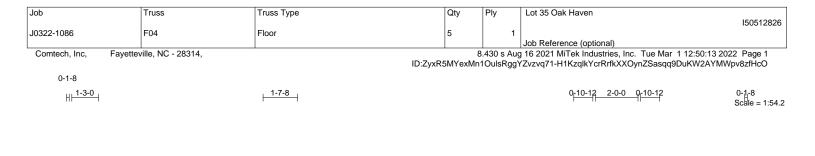
 	20-					<u>28-1-0</u> 8-1-0	<u>2812-8</u> 0-1-8	31-7-8 3-5-0
Plate Offsets (X,Y						010	010	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.67 BC 0.66 WB 0.65 Matrix-S	Vert(LL) -0.2	in (loc) 6 31-32 6 31-32 5 25	l/defl >908 >664 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 166 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x 21	x4 SP No.1(flat) x4 SP 2400F 2.0E(flat) *Except* 1-27: 2x4 SP No.1(flat) x4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	except	t end vert	icals.	ectly applied or 6-0-0 o	,
FORCES. (lb) - I TOP CHORD	(size) 35=0-3-0, 25=0-5-4, 22=0-3-8, 21= Max Uplift 21=-461(LC 3) Max Grav 35=975(LC 5), 25=1740(LC 3), 22= Max. Comp./Max. Ten All forces 250 (lb) of 2-3=-1790/0, 3-4=-2975/0, 4-5=-2975/0, 5-6=	1093(LC 14) less except when shown -3521/0, 6-7=-3566/0, 7-8	3=-3119/0,					
BOT CHORD	8-9=-2112/0, 9-11=-2112/0, 11-12=-444/53, 14-15=-70/1353, 15-16=-70/1353, 16-17=-70 34-35=0/1058, 33-34=0/2490, 32-33=0/3395 28-29=0/2737, 26-28=0/1377, 25-26=-698/0 22-23=-1251/0, 21-22=-683/0	/1353, 17-18=0/1499, 18- , 31-32=0/3566, 30-31=0/	-19=0/1500 3566, 29-30=0/3566,					
WEBS	2-35=-1406/0, 12-25=-1729/0, 2-34=0/1017, 3-33=0/659, 11-28=0/1016, 5-33=-571/0, 8-3 6-32=-364/264, 7-29=-791/0, 6-31=-280/108 17-22=-516/21, 17-23=-139/309, 15-24=-320	28=-864/0, 5-32=-25/319, 7-30=-82/307, 14-25=-67	8-29=0/597, 75/0, 14-24=0/595,					
2) All plates are 3	oor live loads have been considered for this d 0x4 MT20 unless otherwise indicated. 1 for a plus or minus 1 degree rotation about i	0					TH CA	Palin

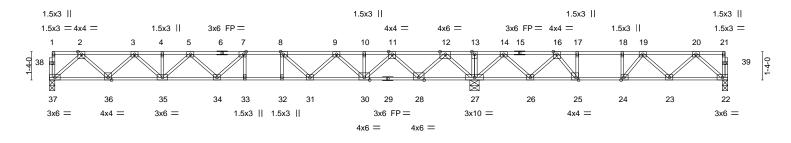
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 21.
- 6) Recommend 2x6 strongbacks, on edge, spaced 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.



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

ENGINEERING BY AMITEK Affiliate 818 Soundside Road Edenton, NC 27932





		0-0 0-0					<u>31-11-0</u> 11-11-0	
Plate Offsets (X	(,Y) [7:0-1-8,Edge], [8:0-1-8,Edge], [24:0-1	-8,Edge], [25:0-1-8,Edge]						
LOADING (psf TCLL 40.0 TCDL 10.0 BCLL 0.0	OPlate Grip DOL1.00OLumber DOL1.00	CSI. TC 0.94 BC 0.67 WB 0.65	Vert(CT) -0	in (loc) .26 33-34 .36 33-34 .05 27	l/defl >910 >669 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0		Matrix-S					Weight: 167 lb	FT = 20%F, 11%I
BOT CHORD	2x4 SP No.1(flat) 2x4 SP 2400F 2.0E(flat) *Except* 22-29: 2x4 SP No.1(flat) 2x4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	except	t end verti	cals.	ectly applied or 2-2-0 o	oc purlins,
REACTIONS. FORCES. (Ib)	(size) 37=0-3-0, 27=0-5-4, 22=0-3-0 Max Uplift 22=-22(LC 3) Max Grav 37=970(LC 10), 27=2105(LC 1), 2 - Max. Comp./Max. Ten All forces 250 (lb)							
TOP CHORD	2-3=-1779/0, 3-4=-2953/0, 4-5=-2953/0, 5- 9-10=-2053/0, 10-11=-2053/0, 11-12=-369/ 14-16=-350/1220, 16-17=-1097/537, 17-18 36-37=0/1053, 35-36=0/2474, 34-35=0/336 30-31=0/2681, 28-30=0/1309, 27-28=-962.	229, 12-13=0/2285, 13-14= 1097/537, 18-19=-1097/5 9, 33-34=0/3525, 32-33=0/3	0/2285, 37, 19-20=-874/110 3525, 31-32=0/3525,					
WEBS	24-25=-537/1097, 23-24=-263/1127, 22-23 2-37=-1399/0, 12-27=-1761/0, 2-36=0/1010 3-35=0/652, 11-30=0/1047, 5-35=-565/0, 9 7-34=-330/296, 8-31=-824/0, 7-33=-295/93 16-26=-888/0, 16-25=0/907, 17-25=-515/0 19-23=-337/213, 19-24=-495/0	41/578 , 12-28=0/1367, 3-36=-967 -30=-885/0, 5-34=-46/296, 8-32=-66/322, 14-27=-121	/0, 11-28=-1344/0, 9-31=0/617, 8/0, 14-26=0/822,					
2) All plates are	floor live loads have been considered for this a 3x4 MT20 unless otherwise indicated. ed for a plus or minus 1 degree rotation abou	Ū.					TH CA	ROLIN

- 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 22 lb uplift at joint 22.
- 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.



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Job	Truss		Truss Type		Qty	Ply	Lot 35 Oak Ha	aven		150512827
J0322-1086	F05		Floor		8	1	Job Reference	(antional)		150512821
Comtech, Inc,	Fayetteville, NC - 28	3314,					g 16 2021 MiTe	k Industries, Inc. Tu	ue Mar 1 12:50:14 Jo_nP50ZY7303Kn	
0-1-8										
H 1-3-0			1-2-0	2-0-0	<u>1-2</u> ·	0				0-1-8 Scale = 1:29
	4x4 =	3x4 =	3x6 FP= 3x4 =			3x4 =		3x4 =	4x4 =	
1	4x4 = 2	3x4 = 3	3x6 FP = 3x4 = 4 5 6	7	8	3x4 = 9	10	3x4 = 11	4x4 =	13
1				7	8		10			13 2 2 4

3x4 =

3x8 M18AHS FP = 3x6 =

4x4 =

3x6 =

3x4 =

			17-10-0 17-10-0			
Plate Offsets (X,Y)	[18:0-1-8,Edge], [19:0-1-8,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 0.53 BC 0.74 WB 0.47 Matrix-S	Vert(LL) -0.2	n (loc) l/defl L/d 1 18-19 >996 480 9 18-19 >724 360 6 14 n/a n/a	PLATES MT20 M18AHS Weight: 94 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
BOT CHORD 2x4 SF	2 No.1(flat) 2 No.1(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	2 11) oc purlins,
REACTIONS. (siz Max G	e) 14=0-3-8, 22=0-3-8 Brav 14=961(LC 1), 22=961(LC 1)					

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

TOP CHORD 2-3=-1757/0, 3-4=-2926/0, 4-6=-2926/0, 6-7=-3482/0, 7-8=-3482/0, 8-9=-3482/0, 9-10=-2926/0, 10-11=-2926/0, 11-12=-1757/0 BOT CHORD 21-22=0/1042, 20-21=0/2442, 19-20=0/3273, 18-19=0/3482, 16-18=0/3273, 15-16=0/2442, 14-15=0/1042WEBS 2-22=-1385/0, 2-21=0/994, 3-21=-953/0, 3-20=0/658, 12-14=-1385/0, 12-15=0/994,

3x6 =

11-15=-953/0, 11-16=0/658, 9-16=-472/0, 6-20=-472/0, 6-19=-67/597, 7-19=-312/0, 9-18=-67/597, 8-18=-312/0

NOTES-

3x6 =

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

4x4 =

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 1.5x3 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. 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

818 Soundside Road Edenton, NC 27932

MITTIN CARO Comment MANDER IN THE SEAL 036322 G munn March 2,2022

Job	Truss	Truss Type	Qty	Ply	Lot 35 Oak Haven		
J0322-1086	F06	Floor Girder	1	1			150512828
					Job Reference (option		
Comtech, Inc, Faye	etteville, NC - 28314,						ar 1 12:50:14 2022 Page 1
			ID:ZyxR5MYex	VIN1OUISR	ggYZvzvq71-iDuivi15i/	AN9ZIGU6KXIJO_NF	P9jZXR3?HKn0FMSbzfHcN
0-1-8							
H 1-3-0 		<u> 1-2-0</u> <u>2-0</u>	-0 1-2-0)			0-1-8 Scale = 1:30.1
a 4 U					2x6		o (11
3x4	3x6 FP =			:	Bx6 FP=		3x4
1.5x3 = 5x8		2x6 2x6	2x6				5x8 1.5x3 =
1 2	3 4	5 6 7	8	9	10 11 26 12	27	13 28 14
			•	1	<u> </u>		
9 ²⁴			H /				25
			61 _ _	φ			
	22	21 20	19	18	17	16	
	4x4 =	3x4 =	3x10 M	18AHS FP	=	4x6 =	
			3x4 =				

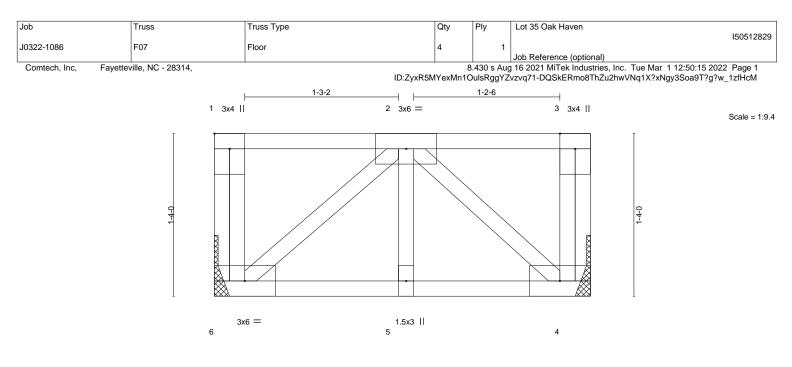
I			<u>17-10-0</u> 17-10-0					
Plate Offsets (X,Y)	[1:Edge,0-1-8], [7:0-3-0,Edge], [8:0-3-0,	0-0-0], [19:0-1-8,Edge], [
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.29 BC 0.78 WB 0.52 Matrix-S	Vert(CT) -0.	in (loc) 19 19-20 26 19-20 07 15	l/defl >999 >806 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 118 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
			BRACING- TOP CHORD BOT CHORD	except	end vertic	als.	ectly applied or 6-0-0 o	oc purlins,
FORCES. (lb) - Max. TOP CHORD 2-4=- 9-11= BOT CHORD 22-23 15-11 WEBS 2-23= 12-16	rav 23=988(LC 1), 15=1118(LC 1) Comp./Max. Ten All forces 250 (lb) or 1899/0, 4-5=-3202/0, 5-6=-3202/0, 6-7= =-3371/0, 11-12=-3371/0, 12-13=-2062/0 3=0/1122, 21-22=0/2644, 20-21=0/3566, 6=0/1251 =-1458/0, 2-22=0/1054, 4-22=-1011/0, 4 3=-1059/0, 12-17=0/700, 9-17=-407/0, 9 =0/724, 7-20=-439/0	-3860/0, 7 ⁻ 8=-3860/0, 8-) 19-20=0/3860, 17-19=0/ :21=0/741, 13-15=-1624/	9=-3860/0, /3677, 16-17=0/2843, /0, 13-16=0/1100,					
 2) All plates are MT20 3) All plates are 3x6 M² 4) Plates checked for a 5) Recommend 2x6 str Strongbacks to be a 6) Hanger(s) or other c 136 lb down at 14-1 responsibility of othe 7) In the LOAD CASE(5) LOAD CASE(5) Stand 1) Dead + Floor Live (b Uniform Loads (plf) Vert: 15-23- Concentrated Loads 	S) section, loads applied to the face of th dard palanced): Lumber Increase=1.00, Plate =-10, 1-14=-100	s center. c and fastened to each tr strained by other means. Ifficient to support concer op chord. The design/se ne truss are noted as fror	ntrated load(s) 136 lb o lection of such connect	lown at 12	2-11-12, an	4	SEA 0363	22

- Uniform Loads (plf) Vert: 15-23=-10, 1-14=-100 Concentrated Loads (lb)
 - Vert: 26=-56(F) 27=-56(F) 28=-72(F)



March 2,2022

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				<u>3-1-0</u> 3-1-0			
Plate Offsets (X,Y)	[1:Edge,0-1-8]			010			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. i	n (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.09	Vert(LL) -0.0	0 6 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.03	Vert(CT) -0.0	0 5 >999 360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.04	Horz(CT) 0.0	0 4 n/a n/a		
BCDL 5.0	Code IRC2015/TI	PI2014	Matrix-P			Weight: 22 lb	FT = 20%F, 11%
LUMBER-			·	BRACING-			
TOP CHORD 2x4 SP	No.1(flat)			TOP CHORD	Structural wood sheathing dir	ectly applied or 3-1-0	oc purlins,
BOT CHORD 2x4 SP	No.1(flat)				except end verticals.		•
WEBS 2x4 SP	No.3(flat)			BOT CHORD	Rigid ceiling directly applied of	or 10-0-0 oc bracing.	

REACTIONS. (size) 6=Mechanical, 4=Mechanical Max Grav 6=156(LC 1), 4=156(LC 1)

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

NOTES-

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

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

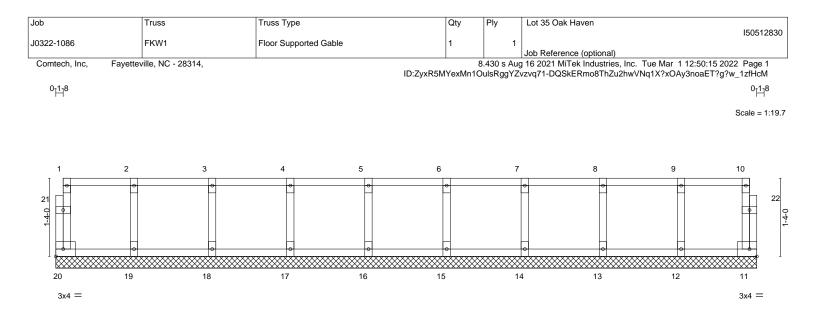
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

(I)



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 **ANS/TPI1 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



			11-11-8					
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 IBC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	Vert(LL) n	in (loc) /a - /a - 00 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 54 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat) P No.3(flat)	WallA-N	BRACING- TOP CHORD BOT CHORD	except	end vert	cals.	irectly applied or 6-0-0 or 10-0-0 oc bracing.	

11-11-8

REACTIONS. All bearings 11-11-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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).

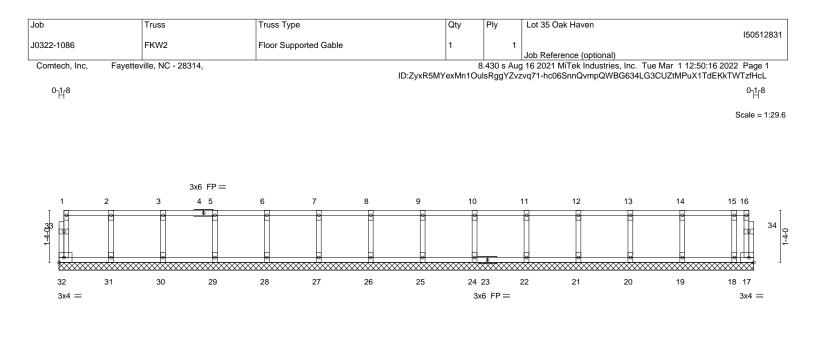
5) Gable studs spaced at 1-4-0 oc.

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.



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

A Mi Tek Affilia 818 Soundside Road Edenton, NC 27932



17-10-0						
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00	CSI. TC 0.06 BC 0.02	Vert(LL) n/ Vert(CT) n/	/a - n/a 999	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.03 Matrix-R	Horz(CT) 0.0	17 n/a n/a	Weight: 80 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)			BRACING- 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.		

17-10-0

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 17-10-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 26, 25, 24, 22, 21, 20, 19, 18

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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