

RE: J0524-2982 Lot 132 Duncans Creek Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J0524-2982 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 8.4 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 14 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	165472031	F01	5/9/2024
2	165472032	F02	5/9/2024
3	165472033	F03	5/9/2024
4	165472034	F04	5/9/2024
5	165472035	F05	5/9/2024
6	165472036	F06	5/9/2024
7	165472037	F07	5/9/2024
8	165472038	F08	5/9/2024
9	165472039	FKW1	5/9/2024
10	165472040	FKW2	5/9/2024
11	l65472041	FKW3	5/9/2024
12	165472042	FKW4	5/9/2024
13	165472043	FKW5	5/9/2024
14	165472044	FKW6	5/9/2024

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.

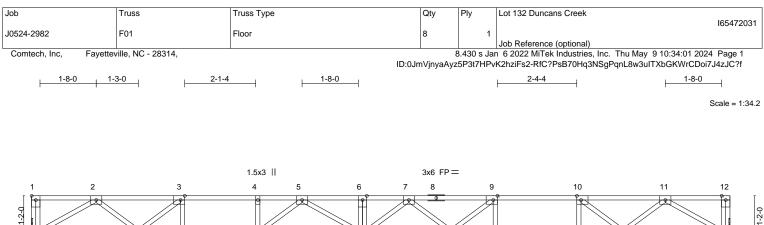
Truss Design Engineer's Name: Gilbert, Eric

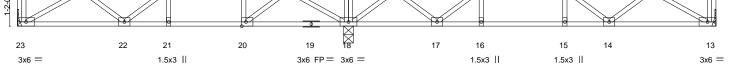
My license renewal date for the state of North Carolina is December 31, 2024

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.







	9-9-12			20-8-8		
1	9-9-12	I		10-10-12		1
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8,Edge], [9:0-1-8,	Edge], [10:0-1-8,Edge], [20	:0-1-8,Edge]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.36 BC 0.44 WB 0.26 Matrix-S	Vert(LL) -0.07	n (loc) l/defl L/d 7 21-22 >999 480 9 21-22 >999 360 2 13 n/a n/a	PLATES MT20 Weight: 102 lb	<b>GRIP</b> 244/190 FT = 20%F. 11%E
		Matrix-3				FT = 2076F, TT76E
LUMBER-			BRACING-			
TOP CHORD 2x4 SP	PNo.1(flat)		TOP CHORD	Structural wood sheathing dire	ctly applied or 6-0-0	oc purlins,
BOT CHORD 2x4 SP	No.1(flat)			except end verticals.		
WEBS 2x4 SP	PNo.3(flat)		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing: 18-20.	10-0-0 oc bracing,	Except:

# REACTIONS. (size) 23=Mechanical, 18=0-3-8, 13=Mechanical Max Grav 23=429(LC 10), 18=940(LC 1), 13=467(LC 7)

## 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) 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.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

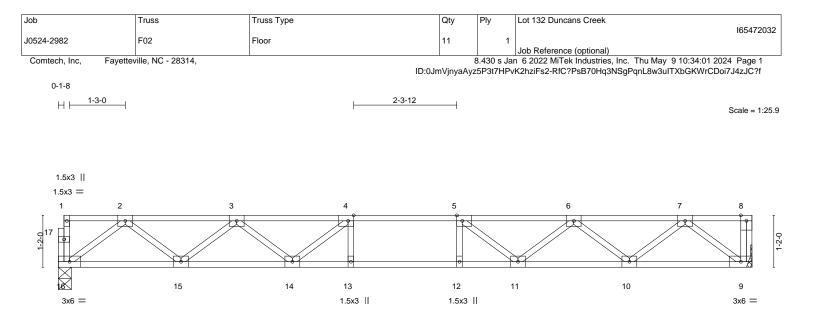
818 Soundside Road Edenton, NC 27932

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

 TOP CHORD
 2-3=-835/0, 3-4=-966/0, 4-5=-966/0, 5-6=-62/325, 6-7=-64/323, 7-9=-828/0, 9-10=-1161/0, 10-11=-948/0

 BOT CHORD
 22-23=0/643, 21-22=0/966, 20-21=0/966, 18-20=-3/634, 17-18=0/504, 16-17=0/1161, 15-16=0/1161, 14-15=0/1161, 13-14=0/701

 WEBS
 2-23=-744/0, 2-22=0/250, 5-18=-756/0, 5-20=0/541, 7-18=-723/0, 7-17=0/466, 9-17=-514/0, 11-13==810/0, 11-14=0/322, 10-14=-272/0



			<u>15-6-12</u> 15-6-12				
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]		10 0 12				
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.34 BC 0.66 WB 0.34 Matrix-S	Vert(LL) -0.15	n (loc) l/defi 5 11-12 >999 9 11-12 >947 4 9 n/a	480 360	PLATES MT20 Weight: 77 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF REACTIONS. (siz			BRACING- TOP CHORD BOT CHORD	except end ve	erticals.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	) oc purlins,
FORCES.         (lb) - Max.           TOP CHORD         2-3=           BOT CHORD         15-1           9-10           WEBS         2-16	Grav 16=668(LC 1), 9=673(LC 1) Comp./Max. Ten All forces 250 (lb) or -1381/0, 3-4=-2174/0, 4-5=-2441/0, 5-6= 6=0/831, 14-15=0/1903, 13-14=0/2441, =0/831 =-1040/0, 2-15=0/716, 3-15=-680/0, 3-14 =-680/0, 6-11=0/401, 5-11=-499/0, 4-14	-2174/0, 6 <sup>-</sup> 7=-1381/0 12-13=0/2441, 11-12=0/24 4=0/401, 7-9=-1043/0, 7-1	441, 10-11=0/1903,				

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.

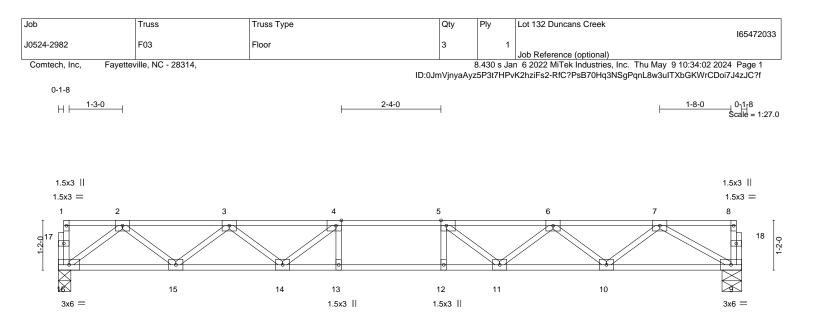
4) Refer to girder(s) for truss to truss connections.

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.







			<u>16-0-0</u> 16-0-0					
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]							
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.38 BC 0.74 WB 0.35	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.17 11-12 -0.23 11-12 0.04 9	>825	L/d 480 360 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 78 lb	FT = 20%F, 11%E
BOT CHORD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHOR BOT CHOR	D Struct excep	t end ver	ticals.	irectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
REACTIONS. (size Max G	e) 16=0-3-8, 9=0-5-8 rav 16=688(LC 1), 9=688(LC 1)							
TOP CHORD 2-3=- BOT CHORD 15-16 9-10=	Comp./Max. Ten All forces 250 (lb) or 1429/0, 3-4=-2269/0, 4-5=-2581/0, 5-6= 5=0/857, 14-15=0/1971, 13-14=0/2581, -0/1077 -1073/0, 2-15=0/744. 3-15=-706/0, 3-14	-2355/0, 6-7=-1608/0 12-13=0/2581, 11-12=0/2	581, 10-11=0/211	0,				

7-10=0/691, 6-10=-654/0, 6-11=0/385, 5-11=-474/0

NOTES-

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

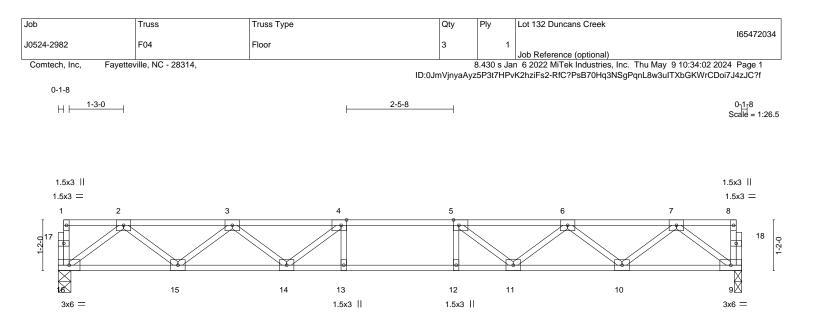
2) All plates are 3x4 MT20 unless otherwise indicated.

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.







			<u>15-8-8</u> 15-8-8					
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.37 BC 0.68 WB 0.35	Vert(CT) -	in (loc) 0.16 11-12 0.21 13-14 0.04 9	l/defl >999 >897 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 77 lb	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.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
REACTIONS. (siz Max (	ze)							
TOP CHORD 2-3= BOT CHORD 15-1 9-10	. Comp./Max. Ten All forces 250 (lb) ol -1396/0, 3-4=-2206/0, 4-5=-2484/0, 5-6= 6=0/839, 14-15=0/1926, 13-14=0/2484, =0/839 - 4054/0, 2.45, 0/725, 2.45, 000/0, 2.4	2206/0, 6-7=-1396/0 12-13=0/2484, 11-12=0/2	484, 10-11=0/1926,					

WEBS 2-16=-1051/0, 2-15=0/725, 3-15=-689/0, 3-14=0/414, 4-14=-517/0, 7-9=-1051/0, 7-10=0/725, 6-10=-689/0, 6-11=0/414, 5-11=-517/0

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 at joint(s) 9.

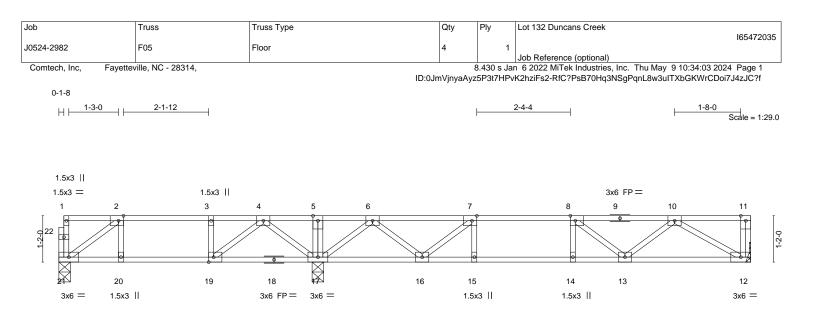
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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	6-6-4	1		17-5-0		1
	6-6-4			10-10-12		
Plate Offsets (X,Y)	[2:0-1-8,Edge], [7:0-1-8,Edge], [8:0-1-8,	Edge], [19:0-1-8,Edge]				
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           DCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.34 BC 0.47 WB 0.22	<b>DEFL.</b> ir Vert(LL) -0.07 Vert(CT) -0.09 Horz(CT) 0.01	13-14     >999     480       14     >999     360	PLATES MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 86 lb	FT = 20%F, 11%E
LUMBER-			BRACING-			
	P No.1(flat) P No.1(flat)		TOP CHORD	Structural wood sheathing dire except end verticals.	ectly applied or 6-0-0	oc purlins,
WEBS 2x4 S	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied o 6-0-0 oc bracing: 17-19,16-17		Except:
REACTIONS. (siz	ze) 21=0-3-8 17=0-3-8 12=Mechanica	1		<b>.</b>		

REACTIONS. (SIZE) 21=0-3-8. 1/=0-3-8. 12=IV Max Grav 21=248(LC 10), 17=847(LC 1), 12=454(LC 4)

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

 TOP CHORD
 2-3=-318/0, 3-4=-318/0, 4-5=0/446, 5-6=0/446, 6-7=-721/0, 7-8=-1089/0, 8-10=-908/0

 BOT CHORD
 20-21=0/318, 19-20=0/318, 16-17=-71/384, 15-16=0/1089, 14-15=0/1089, 13-14=0/1089,

	12-13=0/680
WEBS	2-21=-391/0, 4-17=-473/0, 4-19=0/345, 10-12=-787/0, 10-13=0/297, 6-17=-733/0,
	6-16=0/471, 7-16=-528/0

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

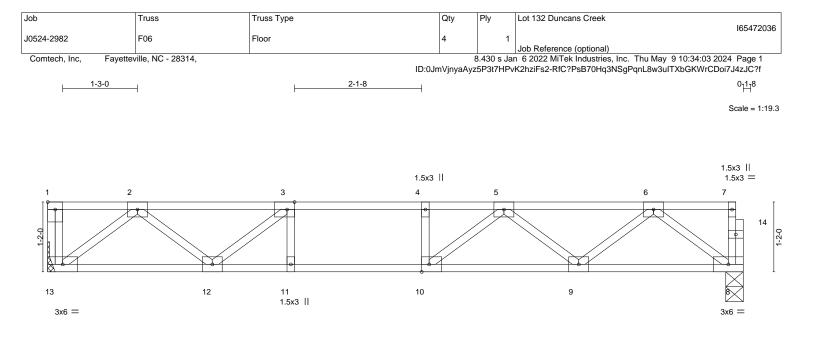
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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

6) CAUTION, Do not erect truss backwards.







L			11-7-8			
			11-7-8			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8,Edge], [10:0-1-8	3,Edge]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.35 BC 0.47 WB 0.22	<b>DEFL.</b> in Vert(LL) -0.09 Vert(CT) -0.11 Horz(CT) 0.02	9-10 >999 360	PLATES MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 58 lb	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	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	,	) oc purlins,

## REACTIONS. (size) 13=Mechanical, 8=0-3-8 Max Grav 13=500(LC 1), 8=495(LC 1)

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

TOP CHORD 2-3=-947/0, 3-4=-1321/0, 4-5=-1321/0, 5-6=-949/0

BOT CHORD 12-13=0/597, 11-12=0/1321, 10-11=0/1321, 9-10=0/1246, 8-9=0/609

WEBS 2-13=-749/0, 2-12=0/456, 3-12=-495/0, 6-8=-761/0, 6-9=0/443, 5-9=-387/0,

5-10=-36/281

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

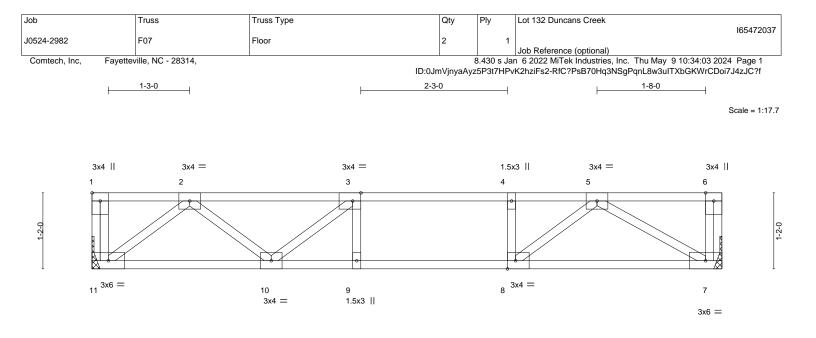
Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



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818 Soundside Road Edenton, NC 27932



F			<u>9-8-0</u> 9-8-0						
Plate Offsets (X,Y)	[1:Edge,0-1-8], [3:0-1-8,Edge], [8:0-1-8,	Edge]							
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	<b>CSI.</b> TC 0.32 BC 0.38 WB 0.21 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.08 0.01	(loc) 9 9 7	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 49 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHOR BOT CHOR	RD :	except	end vert	icals.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
REACTIONS. (size Max G	e) 11=Mechanical, 7=Mechanical irav 11=414(LC 1), 7=414(LC 1)								
TOP CHORD 2-3=- BOT CHORD 10-11	Comp./Max. Ten All forces 250 (lb) or 725/0, 3-4=-900/0, 4-5=-900/0 I=0/502, 9-10=0/900, 8-9=0/900, 7-8=0/ 686/0, 5-8=0/441, 2-11=-630/0, 2-10=0/	593	L						
NOTES-									

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

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

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

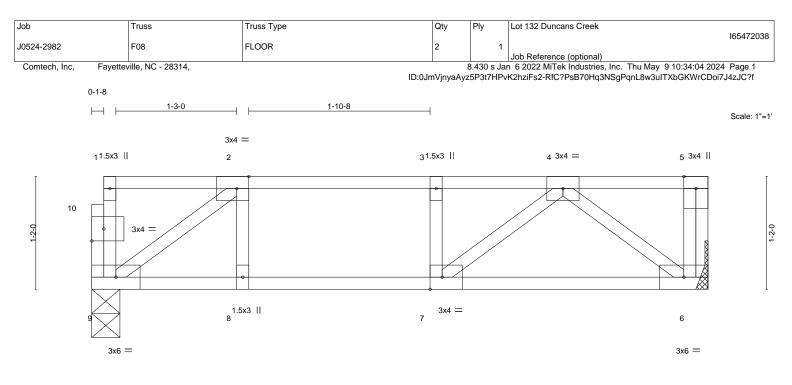
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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			6-4-8 6-4-8			
Plate Offsets (X,Y)	[2:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-8	3,0-1-8]		1		
LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.30 BC 0.27 WB 0.13 Matrix-S	DEFL. ir Vert(LL) -0.04 Vert(CT) -0.05 Horz(CT) 0.00	6-7 >999 480 6-7 >999 360	<b>PLATES</b> MT20 Weight: 34 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	2 No. 1 (flat) 2 No. 1 (flat) 2 No. 3 (flat) 2 No. 3 (flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o		) oc purlins,

REACTIONS. (size) 9=0-3-8, 6=Mechanical

Max Grav 9=331(LC 1), 6=337(LC 1)

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

 TOP CHORD
 2-3=-452/0, 3-4=-452/0

 BOT CHORD
 8-9=0/452, 7-8=0/452, 6-7=0/349

2-9=-557/0, 4-6=-438/0 WEBS

NOTES-

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

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

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

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.

5) CAUTION, Do not erect truss backwards.



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818 Soundside Road Edenton, NC 27932

	Truss FKW1 ville, NC - 28314,	Truss Type Floor Supported Gable	Qty 1 ID:0JmVjnya/	Lot 132 Duncans Creek Job Reference (optional) n 6 2022 MiTek Industries, K2hziFs2-RfC?PsB70Hq3I		CDoi7J4zJC?f
0 <sub>1</sub> 18						0 <u>귀</u> 8 Scale = 1:25.7
	3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 6 0 0 0 0 0 22 21	7 8 0 0 0 0 20 1	9 10 • • • • • • • • • • • • • • • • • • •	11 1: 	28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3x4 =						3x4 =

			15-6-12 15-6-12	
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.         in         (loc)         I/defl         L/d         PLATES         GRIP           Vert(LL)         n/a         -         n/a         999         MT20         244/190           Vert(CT)         n/a         -         n/a         999         MT20         244/190           Horz(CT)         0.00         14         n/a         n/a         Weight: 66 lb         FT = 1	20%F, 11%E
	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins except end verticals.	,

BOT CHORD

 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)

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

# **REACTIONS.** All bearings 15-6-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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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Job		Truss		Truss Type			Qty	Ply	Lot 132 Du	ncans Cree	k		16547	72040
J0524-2982		FKW2		Floor Supported Ga	ble		1	1	lah Datasa		- 1)		10047	2040
Comtech, Inc,	Fayettev	rille, NC - 28314,							n 62022 M		ies, Inc. Thu N	lay 9 10:34:05		
						ID:0	JmVjnyaAy	z5P3t7HPv	K2hziFs2-R	fC?PsB70H	q3NSgPqnL8v	v3uITXbGKWrC		
0- <mark>1</mark> -8													0 <sub>1</sub> 1	8
													Scale =	1:26.5
1	2	3	4	5	6	7	8	9		10	11	12	13	
	•	•	•	0	•	0	•		•	•	•	•	•	Ī
2- 2- 2- 1- 1- 1- 2- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-														28 1-5-0
														+
								******					×××××	1
26	25	24	23	22	21	20	19	18	8	17	16	15	14	
3x4 =													3x4 =	-

	<u>16-0-0</u> 16-0-0								
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 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a - n/a 999	PLATES MT20 Weight: 67 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E			
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4	SP No.1(flat) SP No.1(flat)	1	BRACING- TOP CHORD	Structural wood sheathi	ng directly 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)

 OTHERS
 2x4 SP No.3(flat)

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

## **REACTIONS.** All bearings 16-0-0.

(Ib) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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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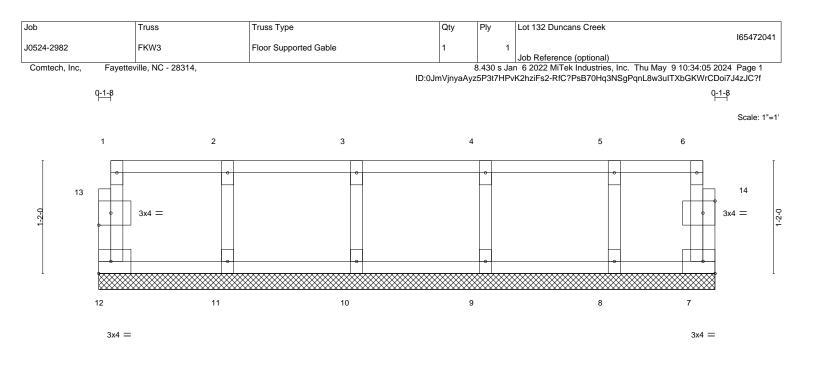


Plate Offsets (X,Y)	[13:0-1-8,0-1-8], [14:0-1-8,0-1-8]		6-4-8 6-4-8			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - n/a 999	PLATES MT20	<b>GRIP</b> 244/190
BOT CHORD 2x4 SF	Code IRC2015/TPI2014 P No.1(flat) P No.1(flat) No.3(flat)	Matrix-R	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or		FT = 20%F, 11%E oc purlins,

REACTIONS. All bearings 6-4-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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.

2x4 SP No.3(flat)

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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Edenton, NC 27932

105 4700		32 Duncans Creek	Lot 1	Ply	Qty			Truss Type	russ	T	lob
16547204				1	1		ed Gable	Floor Suppo	KW4	F	10524-2982
		eference (optional)					Su Cubic			.	1002-1 2002
	nc. Thu May 9 10:34:05 SgPqnL8w3uITXbGKWr				ID:0JmVjny				e, NC - 28314,	Fayettevill	Comtech, Inc,
0 <sub>[1]</sub> 8											
Scale = 1:1											
											3x4
10	9	8	7		6		5	4	3	2	1
	•	•	•		•	, ,		•	•	•	
											1-2-0
11	12	13	14		15		1(	17	18	19	20
3x4 =											3x4

					1-7-8 1-7-8						
Plate Offsets ()	X,Y) [	1:Edge,0-1-8], [20:Edge,0-1-	-8]								
LOADING (psi TCLL 40.1 TCDL 10.1 BCLL 0.1 BCDL 5.1	Ó O .0	Plate Grip DOL 1 Lumber DOL 1	-0-0 <b>CSI.</b> 1.00 TC 1.00 BC YES WB 14 Matri	0.06 0.01 0.03 ix-R	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 11	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 50 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD BOT CHORD WEBS	2x4 SP	No.1(flat) No.1(flat) No.3(flat)			BRACING- TOP CHOR BOT CHOR	-	except e	end vertion	als.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,

#### REACTIONS. All bearings 11-7-8.

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

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.

2x4 SP No.3(flat)

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.

7) CAUTION, Do not erect truss backwards.



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b	Truss		Truss Type		Qty	Ply	Lot 132 Duncans Creek		165472043
524-2982	FKW5		Floor Supported Gable		1	1	Job Reference (optional)		165472043
Comtech, Inc, Fay	etteville, NC - 28314,						an 6 2022 MiTek Industries,		
				ID:0J	ImVjnyaAy	/z5P3t7HP	vK2hziFs2-RfC?PsB70Hq3N	SgPqnL8w3uITXbGK	
									0 <sub>[-1</sub> 8
									Scale = 1:17
3x4									
1	2	3	4	5		6	7	8	9
				0					
						-			
-2-0									•
		•		0		•	•	•	
						******			
18	17	16	15	14		13	12	11	10
3x4									3x4 =
				<u>10-9-0</u> 10-9-0					

Plate Offsets (X,Y)	[1:Edge,0-1-8], [18:Edge,0-1-8]				1			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.07 BC 0.01 WB 0.03	<b>DEFL.</b> Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	'a - n/a 999	<b>PLATES</b> MT20	<b>GRIP</b> 244/190		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R	1012(01) 0.0	0 10 11/a 11/a	Weight: 47 lb	FT = 20%F, 11%E		
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)			BRACING- TOP CHORD	D Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.				
	P No.3(flat)		BOT CHORD	Rigid ceiling directly applied of	or 10-0-0 oc bracing.			

#### REACTIONS. All bearings 10-9-0.

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

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.

2x4 SP No.3(flat)

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.

7) CAUTION, Do not erect truss backwards.



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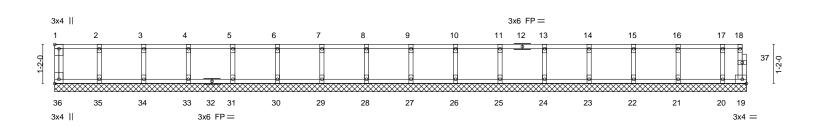


Job	Truss	Truss Type	Qty	Ply	Lot 132 Duncans Creek
					165472044
J0524-2982	FKW6	Floor Supported Gable	1	1	
					Job Reference (optional)
Comtech, Inc, Fayetter	ville, NC - 28314,		8	3.430 s Jai	n 6 2022 MiTek Industries, Inc. Thu May 9 10:34:06 2024 Page 1

ID:0JmVjnyaAyz5P3t7HPvK2hziFs2-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

0-<u>1</u>-8

Scale = 1:34.5



			20-8-8 20-8-8					
Plate Offsets (X,Y)	[1:Edge,0-1-8], [36:Edge,0-1-8]	1					1	
LOADING (psf)	<b>SPACING-</b> 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.06	Vert(LL) r	n∕a `-́	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.01	Vert(CT) r	n/a -	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.	00 19	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 87 lb	FT = 20%F, 11%E
LUMBER-			BRACING-					
TOP CHORD 2x4 S	SP No.1(flat)		TOP CHORD	Struct	ural wood	sheathing di	rectly applied or 6-0-0	) oc purlins,
	SP No.1(flat)		except end verticals.					

TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc pu
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 oc bracing.
OTHERS	2x4 SP No.3(flat)		

#### REACTIONS. All bearings 20-8-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 31, 30, 29, 28, 27, 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.

7) CAUTION, Do not erect truss backwards.





