

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0321-1769 Weaver/ 3 O'Quinn / Harnett

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: E15521093 thru E15521104

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



March 19,2021

# 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	Weaver/ 3 O'Quinn / Harnett	E15521093
J0321-1769	F1	Floor		1	1		E10021093
Comtech, Inc, Fayet	teville, NC - 28314,		ID:uB1kl	JvbQLa2UN		Job Reference (optional) Dct 7 2020 MiTek Industries, Inc. Fri Mar 19 14: 3Myf?Wk-Gys0PUfxRCzedFmcvFAILqOVImzzgI	
0-1-8			1210211	5,542420	102/ 41110		
	<u>  1-6-0    2-3-12</u>					1-10-4	0-1-8 Scale = 1:58.
		3x10	= 3x4				
3x6 =	$3x4 \equiv 3x4$	4 = 3	k8 M18SHS FP $=$	4x8 =	3x6 F	P = 3x4 = 3x4 = 3x4	6 =
1 2	3 4 5	6 7	8 9	10	11	12 13 14 15 1	16 17
							32

X

24

3x10 =

22

4x12 =

23

3x6 FP =

21

20

34-11-0

19

3x10 =

	17-2-4		17-8-12					
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-	3,Edge], [14:0-1-8,Edge]			п			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCodeIRC2015/TPI2014	<b>CSI.</b> TC 0.80 BC 0.66 WB 0.89 Matrix-S	Vert(LL) -0.27	(loc) l/defl L/d 19-20 >791 480 19-20 >585 360 18 n/a n/a	<b>PLATES</b> MT20 M18SHS Weight: 168 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%		
BOT CHORD 2x4 S 23-25 WEBS 2x4 S REACTIONS. (siz	P No.1(flat) P 2400F 2.0E(flat) *Except* : 2x4 SP No.1(flat) P No.3(flat) ze) 30=0-3-0, 24=0-3-8, 18=0-3-0 Grav 30=817(LC 3), 24=2262(LC 1), 18=	851(LC 4)	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied of 6-0-0 oc bracing: 24-26,22-24	or 10-0-0 oc bracing, I	•		
TOP CHORD 2-3= 9-10	. Comp./Max. Ten All forces 250 (lb) or 2725/0, 3-4=-2725/0, 4-5=-2891/0, 5-6= )=0/2825, 10-11=-2107/394, 11-13=-2107 6=-2925/0	-1981/416, 6-7=-1981/416,						
22-2 WEBS 9-24 6-26 11-2	80=0/1752, 28-29=0/2891, 27-28=0/2891 24=-1040/517, 21-22=0/3126, 20-21=0/31 =-286/0, 2-30=-1878/0, 2-29=0/1051, 3- =-260/23, 5-26=-1378/0, 4-29=-269/380, 22=-263/23, 13-22=-1468/0, 16-18=-1964 9=-295/415	26, 19-20=0/3126, 18-19=0/ 29=-293/0, 7-24=-2546/0, 7-2 10-24=-2610/0, 10-22=0/18	/1832 26=0/1818, 879,					

#### NOTES-

30

3x6 =

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

29

3x10 =

28

27

17-2-4

26

25

4x12 = 3x6 FP =

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.

6) CAUTION, Do not erect truss backwards.



₩ K

18

3x6 =

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/TP11 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	Weaver/ 3 O'Quinn / Harnett		E15521094
J0321-1769	F1A	Floor		5	1			L15521054
						Job Reference (optional)		
Comtech, Inc,	Fayetteville, NC - 28314,					Oct 7 2020 MiTek Industries, In		
			ID:uB	1kUybQLa2U	JVI5EAk1M8	BMyf?Wk-k9QOdqfZBW5VFPLo	TyhXt1xg0AEGPg?G?2	ZI_ewzZL?m
0-1-8								
2-6-0	1-3-0 2	-3-12				1-10-4		0-1-8
ПГ		1						Scale = 1:57.7
			3x10 = 3x4					
3	x6 = 3x4 =	3x4 =	3x8 M18SHS FP =	4x8 =	3x6 FI	P = 3x4 = 3x4 =	3x6 =	
1	2 3 4	5 6	7 8 9	10	11	12 13 14	15 16	17
					<u>a</u>			
-1								32
								·

24

3x10 =

23

3x6 FP =

22

4x12 =

21

20

19

3x10 =

18

3x6 =

H	<u> </u>				<u>34-8-0</u> 17-8-12						
Plate Offset	ts (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-4	3,Edge], [14:0-1-8,Edge]								
	(psf) 40.0 10.0 0.0 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.80 BC 0.98 WB 0.90 Matrix-S	Vert(LL) -0.2	in (loc) l/defl 27 19-20 >790 36 19-20 >585 06 18 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 M18SHS Weight: 167 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E			
LUMBER- TOP CHOR BOT CHOR WEBS	2x4 SF 18-23:	P No.1(flat) P No.1(flat) *Except* 2x4 SP 2400F 2.0E(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except end ver	ticals.	rectly applied or 6-0-0 o	oc purlins,			
REACTION	- (-	e) 30=Mechanical, 24=0-3-8, 18=0-3-6 Grav 30=799(LC 3), 24=2252(LC 1), 18=									
FORCES. TOP CHOR	2-3= 9-10	. Comp./Max. Ten All forces 250 (lb) or -2634/0, 3-4=-2634/0, 4-5=-2766/0, 5-6= =0/2839, 10-11=-2126/425, 11-13=-2126 6=-2932/0	-1895/408, 6-7=-1895/408	s, <b>7-9=0/2839</b> ,							
BOT CHOR		0=0/1706, 28-29=0/2766, 27-28=0/2766 4=-1077/540, 21-22=0/3140, 20-21=0/31									
WEBS	9-24 2-29 11-2	=-286/0, 7-24=-2520/0, 7-26=0/1793, 6-2 =0/1001, 3-29=-304/0, 4-29=-246/393, 1 2=-262/23, 16-18=-1968/0, 16-19=0/118 2=-1476/0	26=-261/25, 5-26=-1327/0, 0-24=-2613/0, 10-22=0/18	2-30=-1829/0, 81,							
NOTES-											

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

29

3x10 =

28

27

26

25

4x12 = 3x6 FP =

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

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.

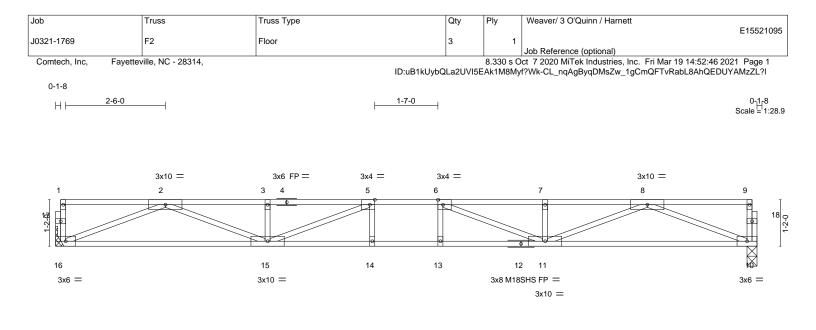
30

3x6 =



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<b> </b>			<u>17-7-0</u> 17-7-0			
Plate Offsets (X,Y)	[5:0-1-8,Edge], [6:0-1-8,Edge]					
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.57 BC 0.86 WB 0.68 Matrix-S	Vert(LL) -0.30	n (loc) l/defl L/d ) 13-14 >702 480 I 13-14 >508 360 7 10 n/a n/a	PLATES MT20 M18SHS Weight: 86 lb	<b>GRIP</b> 244/190 244/190 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	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	,	oc purlins,

REACTIONS.	(size)	10=0-3-0, 16=Mechanical
	Max Grav	10=947(LC 1), 16=947(LC 1)

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

TOP CHORD 2-3=-3385/0, 3-5=-3385/0, 5-6=-3944/0, 6-7=-3385/0, 7-8=-3385/0

BOT CHORD 15-16=0/2071, 14-15=0/3944, 13-14=0/3944, 11-13=0/3944, 10-11=0/2071

WEBS 2-16=-2221/0, 2-15=0/1418, 3-15=-299/0, 8-10=-2221/0, 8-11=0/1418, 7-11=-299/0, 6-11=-885/0, 5-15=-885/0

### NOTES-

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

2) All plates are MT20 plates unless otherwise indicated.

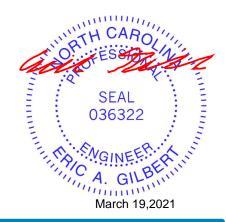
3) All plates are 1.5x3 MT20 unless otherwise indicated.

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

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

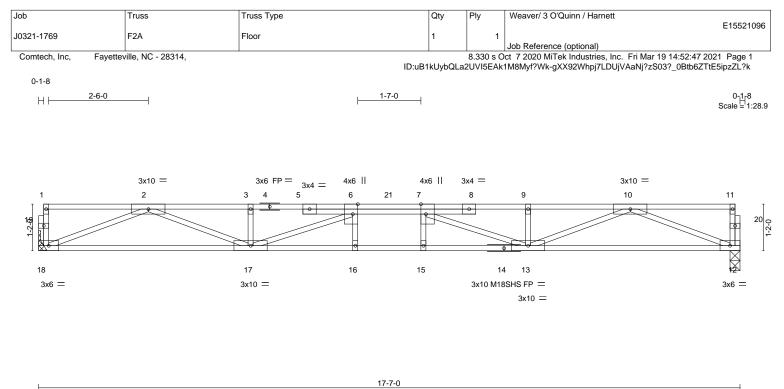
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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			17-7-0			1
Plate Offsets (X,Y)	[6:0-3-0,Edge], [7:0-3-0,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 NO Code IRC2015/TPI2014	CSI. TC 0.58 BC 0.57 WB 0.79 Matrix-S	Vert(LL) -0.3	n (loc) l/defl L/d 1 15-16 >680 480 2 15-16 >493 360 7 12 n/a n/a	PLATES MT20 M18SHS Weight: 92 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	2 No.1(flat) 2 2400F 2.0E(flat) 2 No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	2 11	oc purlins,

#### REACTIONS. (size) 18=Mechanical, 12=0-3-0 Max Grav 18=1053(LC 1), 12=1054(LC 1)

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

TOP CHORD 2-3=-3882/0, 3-6=-3886/0, 6-7=-4960/0, 7-9=-3892/0, 9-10=-3888/0

BOT CHORD 17-18=0/2345, 16-17=0/4960, 15-16=0/4960, 13-15=0/4960, 12-13=0/2347

WEBS 2-18=-2516/0, 2-17=0/1659, 10-12=-2519/0, 10-13=0/1663, 7-13=-1348/0, 6-17=-1354/0

#### 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 1.5x3 MT20 unless otherwise indicated.

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

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

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.

## LOAD CASE(S) Standard

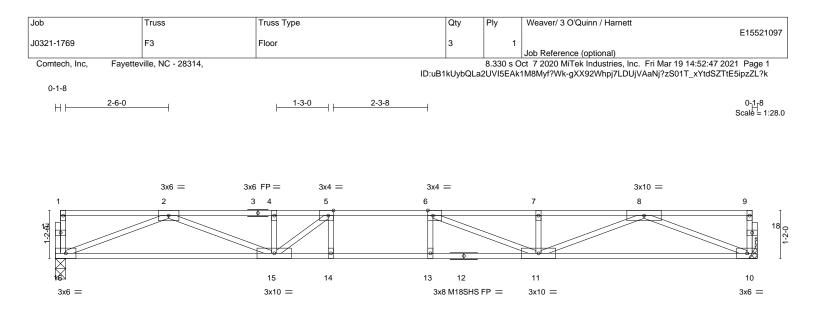
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 12-18=-10, 1-11=-100 Concentrated Loads (lb) Vert: 21=-213



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818 Soundside Road Edenton, NC 27932



			<u>17-0-8</u> 17-0-8			
Plate Offsets (X,Y)	[5:0-1-8,Edge], [6:0-1-8,Edge]					
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrYESCode IRC2015/TPI2014	<b>CSI.</b> TC 0.74 BC 0.86 WB 0.64 Matrix-S	Vert(LL) -0.30	n (loc) l/defl L/d 0 11-13 >677 480 0 11-13 >502 360 6 10 n/a n/a	PLATES MT20 M18SHS Weight: 83 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF 10-12:	P No.1(flat) P 2400F 2.0E(flat) *Except* 2x4 SP No.1(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied c	, ,,,	) oc purlins,

REACTIONS. (size) 16=0-3-0, 10=Mechanical Max Grav 16=917(LC 1), 10=917(LC 1)

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

TOP CHORD 2-4=-3195/0, 4-5=-3195/0, 5-6=-3659/0, 6-7=-3249/0, 7-8=-3249/0

 BOT CHORD
 15-16=0/2002, 14-15=0/3659, 13-14=0/3659, 11-13=0/3659, 10-11=0/1998

 WEBS
 2-16=-2148/0, 2-15=0/1288, 8-10=-2143/0, 8-11=0/1350, 7-11=-304/0, 6-11=-781/0, 5-15=-877/0

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 1.5x3 MT20 unless otherwise indicated.

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

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

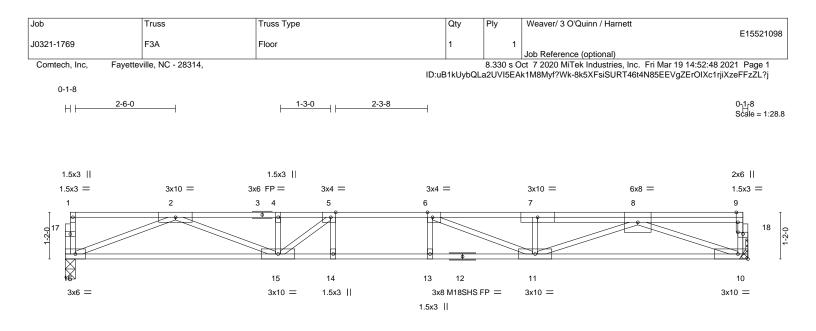
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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			<u>17-0-8</u> 17-0-8			I
Plate Offsets (X,Y)	[5:0-1-8,Edge], [6:0-1-8,Edge], [9:0-3-0,	Edge], [18:0-1-8,0-0-8]				
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 NO Code IRC2015/TPI2014	<b>CSI.</b> TC 0.64 BC 0.82 WB 0.82 Matrix-S	Vert(LL) -0.3	n (loc) l/defl L/d 1 11-13 >646 480 2 11-13 >476 360 6 10 n/a n/a	<b>PLATES</b> MT20 M18SHS Weight: 90 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E
3-9: 2x BOT CHORD 2x4 SF	<ul> <li>No.1(flat) *Except*</li> <li>4 SP 2400F 2.0E(flat)</li> <li>2400F 2.0E(flat)</li> <li>No.3(flat)</li> </ul>		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or		) oc purlins,
REACTIONS. (size Max G	e) 16=0-3-0, 10=Mechanical Grav 16=973(LC 1), 10=1219(LC 1)					

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

TOP CHORD 2-4=-3466/0, 4-5=-3466/0, 5-6=-4078/0, 6-7=-3897/0, 7-8=-3900/0

BOT CHORD 15-16=0/2142, 14-15=0/4078, 13-14=0/4078, 11-13=0/4078, 10-11=0/2859

WEBS 2-16=-2298/0, 2-15=0/1429, 8-10=-3042/0, 8-11=0/1112, 7-11=-293/14, 6-11=-559/230, 5-15=-1063/0

#### 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) 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.

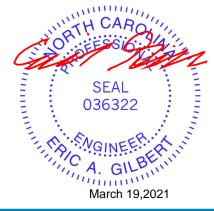
#### LOAD CASE(S) Standard

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

Uniform Loads (plf)

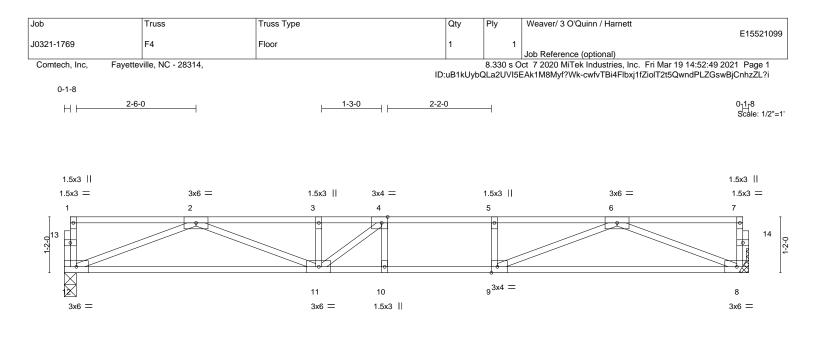
Vert: 10-16=-10, 1-9=-100 Concentrated Loads (lb)

Vert: 8=-358



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'
/defl L/d PLATES GRIP
829 480 MT20 244/190
655 360
n/a n/a
Weight: 69 lb FT = 20%F, 11%E
wood sheathing directly applied or 6-0-0 oc purlins,
d verticals.
ng directly applied or 10-0-0 oc bracing.
5 , II

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

TOP CHORD 2-3=-2475/0, 3-4=-2475/0, 4-5=-2529/0, 5-6=-2529/0

BOT CHORD 11-12=0/1624, 10-11=0/2529, 9-10=0/2529, 8-9=0/1621

WEBS 2-12=-1740/0, 2-11=0/919, 3-11=-271/33, 4-11=-439/212, 6-8=-1737/0, 6-9=0/1035, 5-9=-288/0

# 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.

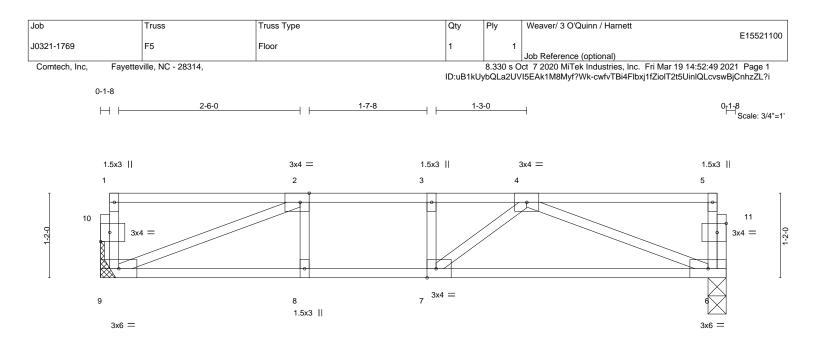
3) Refer to girder(s) for truss to truss connections.

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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L			8-7-8			
Plate Offsets (X,Y)	[2:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-	8,0-1-8], [11:0-1-8,0-1-8]	8-7-8			
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 IRC2015/TPI2014	CSI. TC 0.31 BC 0.33 WB 0.26 Matrix-S	<b>DEFL.</b> ir Vert(LL) -0.07 Vert(CT) -0.10 Horz(CT) 0.01	6-7 >999 480 6-7 >986 360	PLATES MT20 Weight: 43 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	<sup>•</sup> 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	, ,,,	) oc purlins,
REACTIONS. (siz			BOT CHORD		10-0-0 oc bracing.	

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

TOP CHORD 2-3=-895/0, 3-4=-895/0

BOT CHORD 8-9=0/895, 7-8=0/895, 6-7=0/836

WEBS 4-6=-893/0, 2-9=-954/0

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.

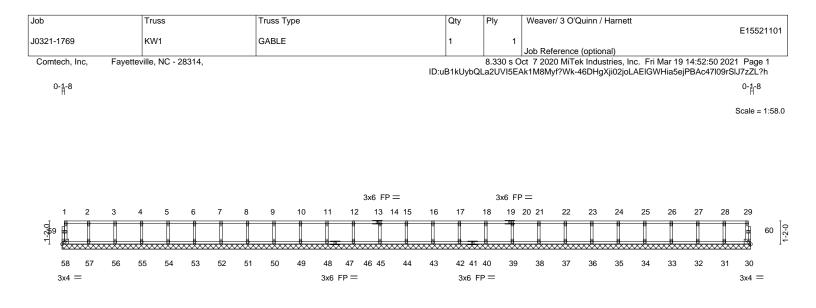
3) Refer to girder(s) for truss to truss connections.

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.

> SEAL 036322 MGINEER March 19,2021

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# $+\frac{1-4-0}{1-4-0} + \frac{2-8-0}{1-4-0} + \frac{4-0-0}{1-4-0} + \frac{5-4-0}{1-4-0} + \frac{6-8-0}{1-4-0} + \frac{8-0-0}{1-4-0} + \frac{9-4-0}{1-4-0} + \frac{12-0-0}{1-4-0} + \frac{13-4-0}{1-4-0} + \frac{14-8-0}{1-4-0} + \frac{16-0-0}{1-4-0} + \frac{17-4-0}{1-4-0} + \frac{18-8-0}{1-4-0} + \frac{22-8-0}{1-4-0} + \frac{22-8-0}{1-4-0}$

TCDL 1 BCLL	(psf) 40.0 10.0 0.0 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TI	2-0-0 1.00 1.00 YES PI2014	CSI. TC BC WB Matri	0.06 0.01 0.03 x-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 30	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 142 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORI BOT CHORI WEBS OTHERS	D 2x4 SF 2x4 SF	<ul> <li>No.1(flat)</li> <li>No.1(flat)</li> <li>No.3(flat)</li> <li>No.3(flat)</li> <li>No.3(flat)</li> </ul>				BRACING- TOP CHOR BOT CHOR	D	except	end verti	cals.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,

REACTIONS. All bearings 34-8-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31

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.



818 Soundside Road Edenton, NC 27932

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Job		Truss	Trus	s Туре		Qty	P	Ply	Weaver/ 3 O'Quinn	/ Harnett		E15521102
J0321-1769		KW2	GAB	LE		1		1	Job Reference (optic			
Comtech, Inc,	Fayette	ville, NC - 28314,				ID:uB1kUvb	8 QLa2U	.330 s C VI5EAk1	ct 7 2020 MiTek Indu M8Myf?Wk-ZJngttkK	ustries, Inc. Fri Mar nMrfzKpvpDox7IBu6	19 14:52:51 2 SbWopa 9OV	021 Page 1 CJsazZL?g
0 <sub>1</sub> 1 <sub>7</sub> 8												0- <u>11</u> 8
												Scale = 1:23.
1	2	3	4	5	6	7		8	9	10	11	12
24 3x4 =	23	22	21	20	19	18	~~~~~	17	16	15	14	13 3x4 =
<u>− 1-4-0</u> 1-4-0			D-0	5-4-0 1-4-0	<u>6-8-0</u> 1-4-0	<u>8-0-0</u>	<u>9-4-0</u> 1-4-0				4-0 1 4-0 0	<u>4-3-8</u> −11-8
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0		SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI. TC BC WB	0.06 0.01 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)		(loc) - - 13	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20	<b>GRIP</b> 244/190	)
BCDL 5.0 LUMBER- TOP CHORD 22 BOT CHORD 22	x4 SP No x4 SP No		TPI2014	Matrix	-R	BRACING- TOP CHORE			al wood sheathing d	Weight: 61		= 20%F, 11%E s,

TOP CHORD2x4 SP No.1(flat)TOP CHORDStructural wood sheathing directly applied or 6-0-0<br/>except end verticals.BOT CHORD2x4 SP No.1(flat)BOT CHORDBOT CHORDRigid ceiling directly applied or 10-0 oc bracing.WEBS2x4 SP No.3(flat)BOT CHORDRigid ceiling directly applied or 10-0 oc bracing.OTHERS2x4 SP No.3(flat)BOT CHORDRigid ceiling directly applied or 10-0 oc bracing.

REACTIONS. All bearings 14-3-8.

(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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Job	Truss	Truss T	уре	Qty	/	Ply	Weav	er/ 3 O'Quinn / Har	nett		E15521103
J0321-1769	кwз	GABLE		1		1					E15521103
							Job R	eference (optional)			
Comtech, Inc, Fag	yetteville, NC - 28314,			ID:uB1kUv				20 MiTek Industrie ?Wk-1VL25DlyYgz			
0118					o d LaL	01102/4	(interne)		140 001 110 (g11)0		0 <sub>1</sub> 18
										s	Scale = 1:18.9
1	2 3		4 5	6			7	8	3	9 1	0
	0	•	•	0	•		•		0	•	
21	-	-		-					H	H	22
											•
	•	•		•	•				•		
					×						XX <sup>1</sup>
20	19 18	3	17 16	15	5		14	1	13	12	11
3x4 =											3x4 =
<u> </u>	2-8-0	4-0-0 1-4-0	5-4-0	6-8-0 1-4-0	+	8-0-0 1-4-0		9-4-0 1-4-0	10-8-0	<u>11-6-</u> 0-10-	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plate Grip DOL		TC 0.06	Vert(LL)	n/a		n/a	999	MT20	244/190	
TCDI 10.0		1.00	BC 0.01	Vert(CT)	n/a		n/a	000			

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 0.06 BC 0.01 WB 0.03	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	-	I/defI n/a n/a n/a	L/d 999 999 n/a	MT20	GRIP 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 50 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP	No.1(flat) No.1(flat)		BRACING- TOP CHORD		ral wood a		rectly applied or 6-0-0	oc purlins,

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

BOT CHORD

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

REACTIONS. All bearings 11-6-0.

(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-

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).

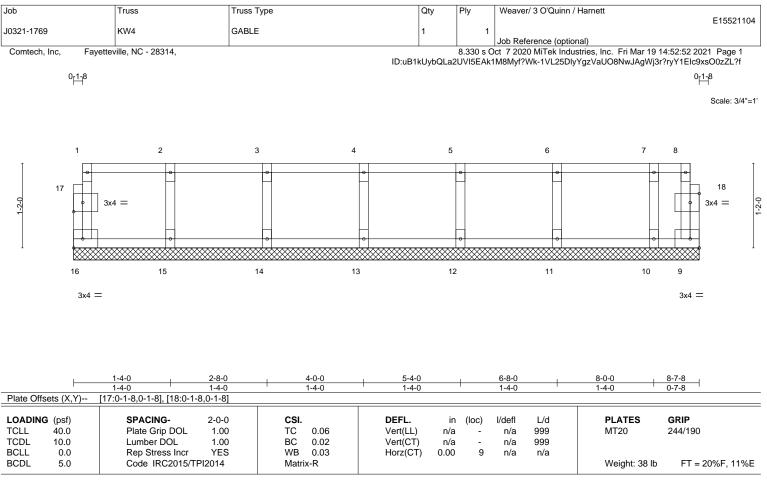
5) Gable studs spaced at 1-4-0 oc.

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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LUMBER-			BRACING-		
TOP CHORD	2x4 SP	No.1(flat)	TOP CHORD	Structural wood sheathing dir	ectly 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 of	or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 8-7-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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.

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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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