

RE: J1020-4757 Lot 30 Forest Ridge Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J1020-4757 Lot/Block: Address: City:

Model: Subdivision: State:

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

Design Code: IRC2015/TPI2014 Wind Code: N/A Roof Load: N/A psf Design Program: MiTek 20/20 8.3 Wind Speed: N/A mph Floor Load: 55.0 psf

This package includes 12 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E14970028	ET1	1/7/2021
2	E14970029	ET2	1/7/2021
3	E14970030	F1	1/7/2021
4	E14970031	F2	1/7/2021
5	E14970032	F2A	1/7/2021
6	E14970033	F3	1/7/2021
7	E14970034	F4	1/7/2021
8	E14970035	F5	1/7/2021
9	E14970036	F6	1/7/2021
10	E14970037	F7	1/7/2021
11	E14970038	F7A	1/7/2021
12	E14970039	FG1	1/7/2021

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, 2021

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	Tri	uss Type		Qty	Ply	Lot 30 Forest Ridge		E14970028
J1020-4757	ET1	Flo	oor Supported Gable		1	1	Job Reference (optional)		
Comtech, Inc,	Fayetteville, NC - 28	314,		ID:\			I 22 2020 MiTek Industries, gHdzqoOe-wh9yZV4jd2_cG		
8_1_1									0 ₁₁ 8
									Scale = 1:18.0
1	2 21	3	4 3x4 =	5 2	22 6		7	8 2	23 9
	•	•		•	•	-	•	•	
19 9 •									20 • q
						1			4
					l		lol		
18	17	16					12	11	~~~~~
			15	14	13				10
3x6 =	2x6	2x6	2x6	3x6	2x6	6	2x6	2x6	3x6 =

L				10-11-0					
				10-11-0					1
Plate Offse	ets (X,Y) [4	4:0-1-8,Edge]							
LOADING TCLL TCDL BCLL	(psf) 40.0 10.0 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.18 BC 0.00 WB 0.05	DEFL. i Vert(LL) n/ Vert(CT) n/ Horz(CT) 0.0	a -	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 66 lb	FT = 20%F, 11%E
LUMBER- TOP CHOP BOT CHOP WEBS OTHERS	RD 2x4 SP RD 2x4 SP 2x4 SP	No.1(flat) No.1(flat) No.3(flat) 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. All bearings 10-11-0.

(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-

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.

LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 10-18=-10, 1-9=-100 Concentrated Loads (lb)

Vert: 4=-92 7=-92 21=-92 22=-92 23=-95



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



Job	Truss	Truss Type	Qty Ply	Lot 30 Forest Ridge	
J1020-4757	ET2	Floor Supported Gable	1 1	1	E14970029
				Job Reference (optional)	
Comtech, Inc, Fayettev	rille, NC - 28314,		8.330 s J	Jul 22 2020 MiTek Industries, Inc. Tue Oct 13 08:2	29:07 2020 Page 1
· · · •		ID:	Y_aRO?CxgIt9gUrlH	W7gHdzqoOe-t4Hj_B5z9fEKVaKpEGw5uqbzwUp	cjpDb3wqxjRyTtrQ
0-1-8 H					0-1-8
					Scale = 1:66.9
	3x4 =	3x6 FP ==	3x6 FP =	3x4 =	
1 2 3 4	5 6 7 8 9	10 11 12 13 1415 16 17 18	19 20 2122	23 24 25 26 27 28 29 30	31 32 33
					68 [4
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		^^^^	
66 65 64 63	62 61 60 59 58	57 56 55 54 5352 51 50 49	48 47 46 4	544 43 42 41 40 39 38 37	36 35 34
3x4 =	3x4 =	= 3x6 FP =	3x6 FP =	3x4 =	3x4 =

				39-11-0 39-11-0						
Plate Offsets (2	X,Y) [8:0-1-8,Edge], [26:0-1-	8,Edgej, [42:0-1-	8,Edge], [58:0-1-8,Edge]						1	
LOADING(psTCLL40.TCDL10.BCLL0.BCDL5.	0 Plate Grip DOL 0 Lumber DOL 0 Rep Stress Incr	2-0-0 1.00 1.00 YES FPI2014	<b>CSI.</b> TC 0.06 BC 0.01 WB 0.03 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.00	(loc) - - 42	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 176 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)			BRACING- TOP CHOR BOT CHOR	RD	except e	end verti	cals.	rectly applied or 6-0-0 o	oc purlins,

REACTIONS. All bearings 39-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 66, 34, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 53, 52, 51, 50, 49, 48, 47, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35

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).

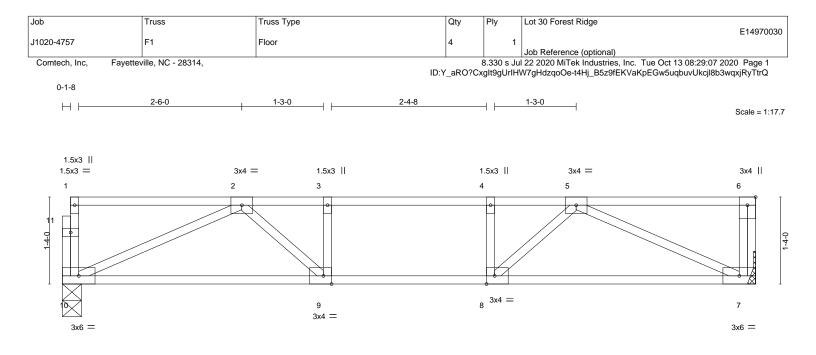
5) Gable studs spaced at 1-4-0 oc.

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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 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 sand truss system. See
 MAXI/TPI Quality Criteria, DSB-89 and BCSI Building Component
 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





			<u>10-7-8</u> 10-7-8			
Plate Offsets (X,Y)	[8:0-1-8,Edge], [9:0-1-8,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 IncrYESCodeIRC2015/TPI2014	<b>CSI.</b> TC 0.38 BC 0.33 WB 0.29 Matrix-S	DEFL.         ir           Vert(LL)         -0.07           Vert(CT)         -0.10           Horz(CT)         0.02	9-10 >999 480 9-10 >999 360	<b>PLATES</b> MT20 Weight: 54 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 S	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=0-3-8, 7=Mechanical Max Grav 10=564(LC 1), 7=571(LC 1)

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

TOP CHORD 2-3=-1188/0, 3-4=-1188/0, 4-5=-1188/0

BOT CHORD 9-10=0/958, 8-9=0/1188, 7-8=0/961

WEBS 2-10=-1048/0, 5-7=-1057/0, 5-8=0/454, 2-9=0/455

#### 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.

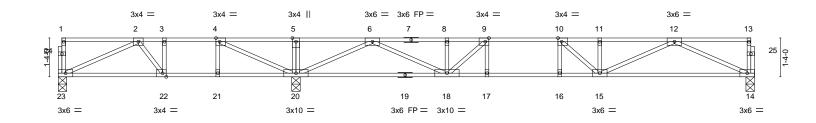
5) CAUTION, Do not erect truss backwards.



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 a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall
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 fabrication, storage, delivery, erection and bracing of trusses sand truss system. See
 MAXI/TPI Quality Criteria, DSB-89 and BCSI Building Component
 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Lot 30 Forest Ridge
					E14970031
J1020-4757	F2	Floor	2	1	
					Job Reference (optional)
Comtech, Inc, Fayett	eville, NC - 28314,			8.330 s Ju	1 22 2020 MiTek Industries, Inc. Tue Oct 13 08:29:08 2020 Page 1
· · · · ·		ID:Y_a	aRO?Cxglt	9gUrIHW7	gHdzqoOe-LGr5CX6bwzMB7kv?ozRKQ280dt_6S8MkIaZVGtyTtrP
0-1-8					
811	0-10-0 1-8-8		1-3-0	-  2-	4-8 0-1-8 Scale = 1:39.6



<u> </u>	<u>8-2-0</u> 8-2-0	<u>23-11-0</u> 15-9-0				
Plate Offsets (X,Y)	[4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8	8,Edge], [22:0-1-8,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 IRC2015/TPI2014	<b>CSI.</b> TC 0.57 BC 0.76 WB 0.55 Matrix-S	Vert(CT) -0.	in (loc) I/defl L/d 17 15-16 >999 480 22 15-16 >838 360 04 14 n/a n/a	PLATES MT20 Weight: 121 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat)	Widuk-S	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	ectly applied or 6-0-0 o	· · ·
	e) 23=0-3-8, 20=0-3-8, 14=0-3-8 rav 23=399(LC 3), 20=1476(LC 1), 14= Comp./Max. Ten All forces 250 (lb) or	( )				

- TOP CHORD 2-3=-576/210, 3-4=-576/210, 4-5=0/819, 5-6=0/819, 6-8=-2093/0, 8-9=-2093/0, 9-10=-2436/0, 10-11=-2309/0, 11-12=-2309/0
- BOT CHORD
   22-23=-67/604, 21-22=-210/576, 20-21=-210/576, 18-20=0/1100, 17-18=0/2436, 16-17=0/2436, 15-16=0/2436, 14-15=0/1491

   WEBS
   5-20=-251/0, 2-23=-659/75, 4-20=-1113/0, 2-22=-273/0, 6-20=-1846/0, 6-18=0/1156, 12-14=-1636/0, 12-15=0/904, 11-15=-251/25, 10-15=-400/107, 9-18=-679/0

#### NOTES-

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

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

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

4) 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.

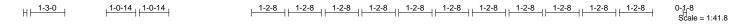
5) CAUTION, Do not erect truss backwards.

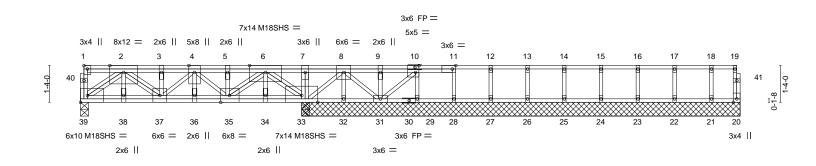


818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Lot 30 Forest Ridge
					E14970032
J1020-4757	F2A	Floor	1	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	/ille, NC - 28314,			8.330 s Ju	1 22 2020 MiTek Industries, Inc. Tue Oct 13 08:29:10 2020 Page 1
· · · •		ID:Y_aR	O?Cxglt9g	UrlHW7gH	HdzqoOe-HfzrdC8sSacvM23OwOToWTDOnhlLw_W1lu2bKmyTtrN
0-1-8					





L	8-0-4					-11-0			
Plate Offsets (X,	<u>8-0-4</u> Y) [1:Edge,0-1-8], [10:0-1-8,Edge], [11:0	-1-8.Edge]. [35:0-3-12.Edge	el		15-	10-12			
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 NO	CSI. TC 0.40 BC 0.32 WB 0.83 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.06 0.01	(loc) 36 36 33	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 163 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E
BOT CHORD	2x4 SP 2400F 2.0E(flat) 2x4 SP 2400F 2.0E(flat) 2x4 SP No.3(flat) All bearings 15-10-12 except (jt=length) 39 Max Grav All reactions 250 lb or less at joi 1), 32=470(LC 1), 31=1404(LC 1)	nt(s) except 39=3198(LC 1)		D 5=6051	except Rigid c 6-0-0 c (LC 1),	end vertioneiling dirend vertioneiling dirender eiling dirender eiling dirender eiling dirender eiling direction di direction direction direction direction direction	cals. ectly applied o : 32-33,31-32	ectly applied or 6-0-0 o or 10-0-0 oc bracing, 1 2.	•
FORCES. (Ib) FOP CHORD BOT CHORD WEBS	<ul> <li>Max. Comp./Max. Ten All forces 250 (lb)</li> <li>1-39=-520/0, 19-20=-264/0, 2-3=-5006/0, 3</li> <li>6-7=0/2814, 7-8=0/2639, 8-9=0/628, 9-10=</li> <li>38-39=0/3531, 37-38=0/3531, 36-37=0/511</li> <li>32-33=-1102/0, 31-32=-1102/0</li> <li>7-33=-1527/0, 2-39=-4385/0, 2-37=0/1912</li> <li>5-35=-1167/0, 8-33=-1887/0, 8-32=-462/0,</li> <li>10-29=-640/0, 11-28=-1255/0, 12-27=-122</li> <li>15-24=-1229/0, 16-23=-1219/0, 17-22=-12</li> </ul>	8-4=-5068/0, 4-5=-4015/0, 5 0/628 50, 35-36=0/5150, 34-35=0/ , 3-37=-1098/0, 6-33=-5289, 8-31=0/625, 9-31=-1151/0, 5/0, 13-26=-1227/0, 14-25=	-6=-3949/0, 1265, 33-34=0/126 /0, 6-35=0/3479, 10-31=-934/0, -1226/0,	5,					
<ol> <li>All plates are</li> <li>All plates are</li> <li>The Fabricatii joint 24 = 3%</li> <li>Plates checked</li> <li>Load case(s) 35, 36, 37, 36 truss.</li> <li>Recommend Strongbacks</li> </ol>	loor live loads have been considered for this MT20 plates unless otherwise indicated. 1.5x3 MT20 unless otherwise indicated. on Tolerance at joint 28 = 3%, joint 27 = 3%, joint 15 = 3%, joint 23 = 7%, joint 16 = 7%, ed for a plus or minus 1 degree rotation about 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 B has/have been modified. Building designer 2x6 strongbacks, on edge, spaced at 10-0-0 to be attached to walls at their outer ends or	design. joint 12 = 3%, joint 26 = 3% joint 22 = 3%, joint 17 = 3% it its center. , 16, 17, 18, 19, 20, 21, 22, must review loads to verify oc and fastened to each tr	6, joint 13 = 3%, joi 23, 24, 25, 26, 27, that they are correc	28, 29, ct for th	, 30, 31 ne inten	, 32, 33, 3 ded use o	34, of this	SEA 0363	• –
LOAD CASE(S) 1) Dead + Floor Uniform Load Vert:	o not erect truss backwards. Standard Except: Live (balanced): Lumber Increase=1.00, Pla Is (plf) 20-39=-10, 1-19=-920 or Increase=1.00, Plate Increase=1.00	te Increase=1.00					100	O363	EERA

October 13,2020



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Job	Truss	Truss Type	Qty	Ply	Lot 30 Forest Ridge
J1020-4757	F2A	Floor	1	1	E14970032
51020-4757				· ·	Job Reference (optional)
Comtech, Inc, Fayette	ville, NC - 28314,				Il 22 2020 MiTek Industries, Inc. Tue Oct 13 08:29:11 2020 Page 2 HdzqoOe-IrWDqY8UDukm_CeaT5_12gmZX55afRmB_Yo9tCyTtrM
		10.1		Jonnw/gr	
LOAD CASE(S) Standard	Ł				
Uniform Loads (plf) Vert: 20-39=-10	1 10- 570				
		ncrease=1.00, Plate Increase=1.00			
Uniform Loads (plf)					
Vert: 20-39=-10		Increase=1.00, Plate Increase=1.00			
4) 2nd chase Dead + Floo Uniform Loads (plf)	r Live (unbalanced): Lumber	increase=1.00, Plate increase=1.00			
Vert: 20-39=-10	0, 1-19=-570				
,	Live (unbalanced): Lumber I	ncrease=1.00, Plate Increase=1.00			
Uniform Loads (plf) Vert: 20-39=-10	1-19570				
		ncrease=1.00, Plate Increase=1.00			
Uniform Loads (plf)					
Vert: 20-39=-10		norogog 1.00. Ploto Ingragog 1.00			
Uniform Loads (plf)	Live (unbalanced). Lumber i	ncrease=1.00, Plate Increase=1.00			
Vert: 20-39=-10					
	Live (unbalanced): Lumber I	ncrease=1.00, Plate Increase=1.00			
Uniform Loads (plf) Vert: 20-39=-10	1-19570				
		ncrease=1.00, Plate Increase=1.00			
Uniform Loads (plf)					
Vert: 20-39=-10		Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)	n Live (unbalanceu). Lumber	Increase=1.00, Flate Increase=1.00			
Vert: 20-39=-	10, 1-19=-570				
	or Live (unbalanced): Lumber	Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf) Vert: 20-39=-	10 1-19=-570				
		er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)	10 1 10 570				
Vert: 20-39=- 13) 11th chase Dead + Eld		er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)	for Live (unbalanced). Euribe				
Vert: 20-39=-					
	oor Live (unbalanced): Lumbe	er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf) Vert: 20-39=-	10, 1-19=-570				
		er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)	10 1 10 570				
	10, 1-19=-570 oor Live (unbalanced) [,] Lumbe	er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)					
	10, 1-19=-570				
17) 15th chase Dead + Flo Uniform Loads (plf)	oor Live (unbalanced): Lumbe	er Increase=1.00, Plate Increase=1.00			
Vert: 20-39=-	10, 1-19=-570				
18) 16th chase Dead + Flo	· · · · · · · · · · · · · · · · · · ·	er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf) Vert: 20-39=-	10 1-19570				
		er Increase=1.00, Plate Increase=1.00			
Uniform Loads (plf)	, , , , , , , , , , , , , , , , , , ,				
Vert: 20-39=-		er Increase=1.00, Plate Increase=1.00			
20) 18th chase Dead + Fit Uniform Loads (plf)	or Live (unbalanced): LUMDE	a increase=1.00, Fiale increase=1.00			
Vert: 20-39=-					
	ber Increase=1.00, Plate Inc	rease=1.00			
Uniform Loads (plf) Vert: 20-39=-	10 1-19=-570				
	ber Increase=1.00, Plate Inc	rease=1.00			
Uniform Loads (plf)					
Vert: 20-39=- 23) 21st chase Dead: Lur	10, 1-19=-570 iber Increase=1.00, Plate Inc	rease-1.00			
Uniform Loads (plf)		Tease=1.00			
Vert: 20-39=-					
	nber Increase=1.00, Plate Inc	crease=1.00			
Uniform Loads (plf) Vert: 20-39=-	10 1-19=-570				
	nber Increase=1.00, Plate Inc	rease=1.00			
Uniform Loads (plf)					
Vert: 20-39=- 26) 24th chase Dead: Lun	10, 1-19=-570 bber Increase=1 00_Plate Inc	rease=1.00			

26) 24th chase Dead: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 20-39=-10, 1-19=-570

27) 25th chase Dead: Lumber Increase=1.00, Plate Increase=1.00

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Job	Truss	Truss Type		Qty	Ply	Lot 30 Forest Ridge
						E14970032
J1020-4757	F2A	Floor		1	1	
						Job Reference (optional)
Comtech, Inc, Fayette	eville, NC - 28314,				8.330 s Ju	Il 22 2020 MiTek Industries, Inc. Tue Oct 13 08:29:11 2020 Page 3
			ID:Y_aR0	D?Cxglt9g	gUrlHW7g	HdzqoOe-lrWDqY8UDukm_CeaT5_12gmZX55afRmB_Yo9tCyTtrM
LOAD CASE(S) Standar	d					
Uniform Loads (plf)						
Vert: 20-39=-	-10, 1-19=-570					
28) 26th chase Dead: Lur	mber Increase=1.00, Plate Inc	crease=1.00				
Uniform Loads (plf)						
Vert: 20-39=-	-10, 1-19=-570					
29) 27th chase Dead: Lur	nber Increase=1.00, Plate Inc	crease=1.00				
Uniform Loads (plf)						
Vert: 20-39=-	-10, 1-19=-570					
30) 28th chase Dead: Lur	nber Increase=1.00, Plate Inc	crease=1.00				
Uniform Loads (plf)						
· · · ·	-10, 1-19=-570					
	mber Increase=1.00, Plate Inc	crease=1.00				
Uniform Loads (plf)	,					
· · · ·	-10, 1-19=-570					
	nber Increase=1.00, Plate Inc	rease-1.00				
Uniform Loads (plf)		1.00				
· · · ·	-10, 1-19=-570					
ven. 20-39=-	10, 1-19=-570					

33) 31st chase Dead: Lumber Increase=1.00, Plate Increase=1.00

34) 32nd chase Dead: Lumber Increase=1.00, Plate Increase=1.00

35) 33rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00

36) 34th chase Dead: Lumber Increase=1.00, Plate Increase=1.00

37) 35th chase Dead: Lumber Increase=1.00, Plate Increase=1.00

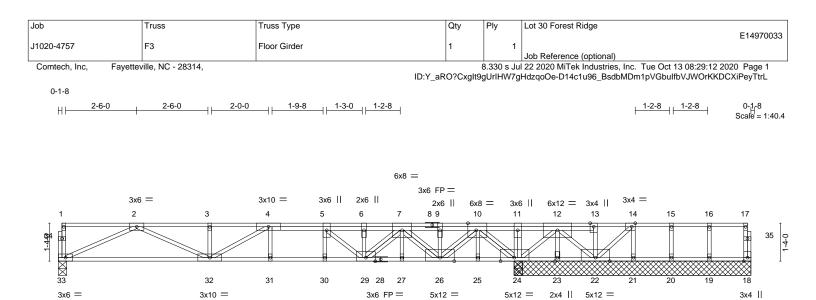
38) 36th chase Dead: Lumber Increase=1.00, Plate Increase=1.00

Vert: 20-39=-10, 1-19=-570

Uniform Loads (plf)

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4x8 =

	1 1		24-3-12 8-0-4				
Plate Offsets (X,Y)	[10:0-3-8,Edge], [14:0-1-8,Edge], [24:0-	5-12,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	<b>CSI.</b> TC 0.70 BC 0.86 WB 1.00 Matrix-S	DEFL.         in           Vert(LL)         -0.15           Vert(CT)         -0.21           Horz(CT)         0.03	30 > 30 >	/defl L/d •999 480 •903 360 n/a n/a	<b>PLATES</b> MT20 Weight: 155 lb	<b>GRIP</b> 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 en Rigid ceili	I wood sheathing dire od verticals. ing directly applied o pracing: 25-26,24-25	ectly applied or 6-0-0 or 10-0-0 oc bracing,		
(lb) - Max U	earings 8-3-12 except (jt=length) 33=0-3 Jplift All uplift 100 lb or less at joint(s) e Grav All reactions 250 lb or less at joint	xcept 23=-897(LC 1), 22=		1)	<b>J</b>	, , , ,	

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

TOP CHORD 2-3=-2807/0, 3-4=-2807/0, 4-5=-3273/0, 5-6=-3213/0, 6-7=-3151/0, 7-9=0/616,

 9-10=0/616, 10-11=0/5015, 11-12=0/5015, 12-13=0/699, 13-14=0/694

 BOT CHORD
 32-33=0/1744, 31-32=0/3272, 30-31=0/3272, 29-30=0/3272, 27-29=0/1413, 26-27=0/1413, 25-26=-2700/0, 24-25=-2700/0, 23-24=-2286/0, 22-23=-2286/0

 WEBS
 11-24=-321/0, 10-24=-2995/0, 10-26=0/2825, 7-26=-2598/0, 7-29=0/2330, 6-29=-1612/0, 5-29=-145/431, 12-24=-3530/0, 2-33=-1914/0, 2-32=0/1175, 12-23=0/877, 12-22=0/2099, 14-22=-940/0, 14-21=0/487, 4-32=-786/0

#### NOTES-

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

- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 897 lb uplift at joint 23, 547 lb uplift at joint 22 and 476 lb uplift at joint 21.

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) 1330 lb down at 10-9-4 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

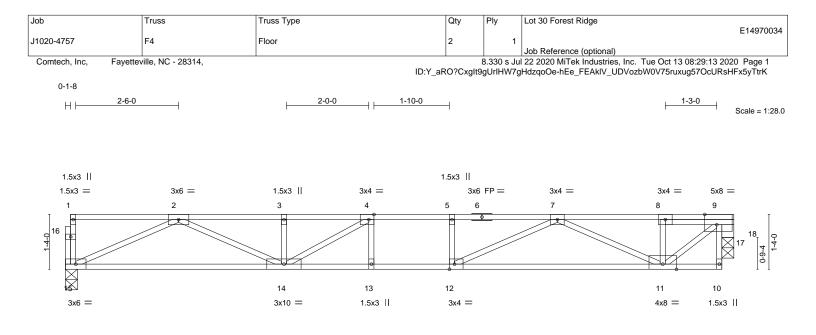
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 18-33=-10, 1-17=-100 Concentrated Loads (lb) Vert: 6=-1250(F)



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ŀ			<u>16-3-0</u> 16-3-0			
Plate Offsets (X,Y)	[4:0-1-8,Edge], [9:0-3-8,Edge], [12:0-1-	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 0.41 BC 0.77 WB 0.61 Matrix-S	Vert(LL) -0.20	n (loc) I/defl L/d ) 13-14 >970 480 5 11-12 >757 360 3 18 n/a n/a	<b>PLATES</b> MT20 Weight: 84 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing dire except end verticals.	ectly applied or 6-0-0	) oc purlins,
	P No.3(flat) P No.2(flat)		BOT CHORD	Rigid ceiling directly applied c	or 10-0-0 oc bracing.	
REACTIONS. (size	e) 15=0-3-8, 18=0-3-8					

Max Grav 15=868(LC 1), 18=861(LC 1)

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

 TOP CHORD
 2-3=-2577/0, 3-4=-2577/0, 4-5=-2848/0, 5-7=-2848/0, 7-8=-1040/0, 8-9=-1040/0

 BOT CHORD
 14-15=0/1620, 13-14=0/2848, 12-13=0/2848, 11-12=0/2214

 WEBS
 9-11=0/1289, 2-15=-1777/0, 2-14=0/1058, 3-14=-282/10, 7-11=-1298/0, 7-12=0/848, 4-14=-606/55, 9-18=-875/0

#### 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.

 Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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.

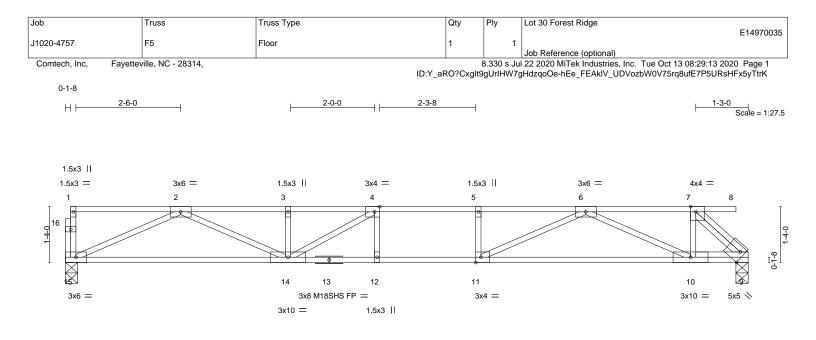
Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.



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L	7-6-0		8-7-12 9-9-8		-3-8		
1	7-6-0	1	<u>1-1-12</u> <u>1-1-12</u> <u>6-6-0</u>				
Plate Offsets (X,Y)	[4:0-1-8,Edge], [7:0-1-8,Edge], [9:Edge,	0-3-0], [11:0-1-8,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 0.65 BC 0.89 WB 0.52 Matrix-S		12-14 >761 480 12-14 >609 360	<b>PLATES</b> MT20 M18SHS Weight: 83 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E	
BOT CHORD 2x4 SF	⁹ No.1(flat) ⁹ No.1(flat) ⁹ No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or		oc purlins,	

REACTIONS.	(size)	15=0-3-8, 9=0-3-8
	Max Grav	15=880(LC 1), 9=862(LC 1)

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

TOP CHORD 2-3=-2631/0, 3-4=-2631/0, 4-5=-2908/0, 5-6=-2908/0, 6-7=-908/0

BOT CHORD 14-15=0/1646, 12-14=0/2908, 11-12=0/2908, 10-11=0/2165, 9-10=0/909

WEBS 7-10=0/589, 7-9=-1225/0, 2-15=-1807/0, 2-14=0/1088, 3-14=-289/18, 6-10=-1389/0, 6-11=0/960, 5-11=-285/0, 4-14=-642/44

NOTES-

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

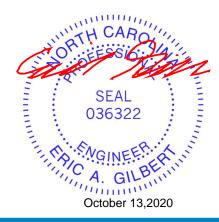
2) All plates are MT20 plates unless otherwise indicated.

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

4) 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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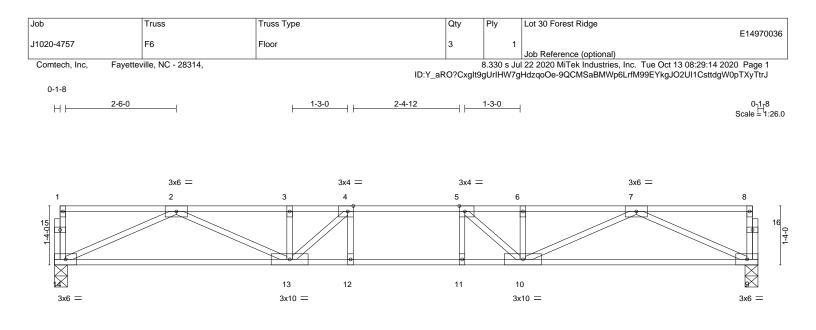


Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge]		15-10-12 15-10-12			
LOADING         (psf)           TCLL         40.0           TCDL         10.0           BCLL         0.0           BCDL         5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.48 BC 0.71 WB 0.48 Matrix-S	Vert(LL) -0.1	n (loc) l/defl L/d 7 12-13 >999 480 2 12-13 >849 360 4 9 n/a n/a	<b>PLATES</b> MT20 Weight: 80 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 CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	oc purlins,		

REACTIONS.	(size)	14=0-3-8, 9=0-3-8
	Max Grav	14=854(LC 1), 9=854(LC 1)

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

TOP CHORD 2-3=-2503/0, 3-4=-2503/0, 4-5=-2738/0, 5-6=-2503/0, 6-7=-2503/0

BOT CHORD 13-14=0/1593, 12-13=0/2738, 11-12=0/2738, 10-11=0/2738, 9-10=0/1593

WEBS 2-14=-1748/0, 2-13=0/1006, 7-9=-1748/0, 7-10=0/1006, 5-10=-599/29, 4-13=-599/29

# NOTES-

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

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

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

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

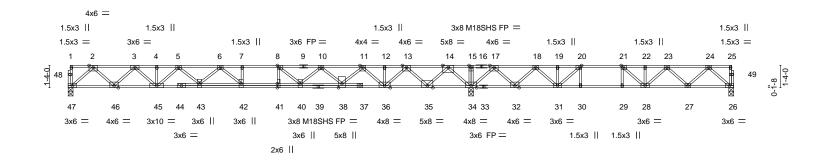
Strongbacks to be attached to walls at their outer ends or restrained by other means.



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 Safety Information
 available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	Lot 30 Forest Ridge	
						E14970037
J1020-4757	F7	Floor	8	1		
					Job Reference (optional)	
Comtech, Inc,	Fayetteville, NC - 28314,			8.330 s Ju	I 22 2020 MiTek Industries, Inc. Tue Oct	13 08:29:16 2020 Page 1
	-		ID:Y_aRO?Cxglt	9gUrlHW7g	gHdzqoOe-6oK6tGCd2QN24zWXGfaClkT	JA6iHKgkw8qVwYPyTtrH
0-1-8						
<mark>1-3-0</mark>		2-0-8			2-4-8	0-1-8
						'Scale = 1:69.1



<b> </b>	<u>24-2-0</u> 24-2-0					39-11-0					
Plate Offsets (X,Y)	[8:0-1-8,Edge], [20:0-1-8,Edge], [21:0-1	-8,Edge], [41:0-3-0,0-0-0	]				10				
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 0.79 BC 0.74 WB 0.85 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.38 -0.52 0.06	(loc) 42 42 34	l/defl >752 >559 n/a	L/d 480 360 n/a	PLATES MT20 M18SHS Weight: 222 lb	<b>GRIP</b> 244/190 244/190 FT = 20%F, 11%E		
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	BRACING- TOP CHOF BOT CHOF	RD	except	end vertion	cals.	rectly applied or 6-0-0 c or 6-0-0 oc bracing.	oc purlins,				
Max U	e) 47=0-3-8, 34=0-3-8, 26=0-3-8  plift 26=-9(LC 3) irav 47=1159(LC 3), 34=2662(LC 1), 26	=725(LC 4)									
TOP CHORD 2-3=- 8-10= 14-15 20-21 BOT CHORD 46-47 38-4 31-32 WEBS 2-47= 6-43= 13-36 8-41 19-31	Comp./Max. Ten All forces 250 (lb) or 2191/0, 3-4=-3744/0, 4-5=-3744/0, 5-6= =-4832/0, 10-11=-3721/0, 11-12=-1983/0 5=0/3786, 15-17=0/3786, 17-18=-149/2' 1=-1908/812, 21-22=-1936/310, 22-23=- 7=0/1269, 45-46=0/3068, 43-45=0/4424 0=0/4414, 36-38=0/2967, 35-36=-417/9 2=-1777/852, 30-31=-812/1908, 29-30=- 3=-203/1689, 26-27=-30/774 =-1687/0, 2-46=0/1283, 3-46=-1219/0, 3 =-474/0, 6-42=-345/475, 14-34=-2178/0, 5=0/1444, 11-36=-1379/0, 11-38=0/106' =-157/483, 17-34=-1626/0, 17-32=0/126' 1=0/278, 20-31=-1430/0, 20-30=0/387, 2 7=-621/131, 23-28=-145/336, 22-28=-32	-4866/0, 6-7=-5296/0, 7- 35, 12-13=-1983/85, 13-1 166, 18-19=-1325/1462, 1 1936/310, 23-24=-1242/7 42-43=0/5202, 41-42=0/ 59, 34-35=-2150/0, 32-34 812/1908, 28-29=-812/19 -45=0/920, 5-45=-924/0, 14-35=0/1776, 13-35=-1 , 10-38=-981/0, 10-40=0 32, 18-32=-1205/0, 18-31 24-26=-1028/40, 24-27=-1	8=-5296/0, 4=0/997, 9-20=-1325/1462, 108 '5296, 40-41=0/52 =-2683/0, 008, 5-43=0/599, 735/0, /691, 8-40=-1067// =0/835, 109/652,	96,					Route		
<ol> <li>All plates are MT20</li> <li>All plates are 3x4 M</li> <li>Plates checked for a</li> <li>Provide mechanical</li> <li>Required 2x6 strong</li> </ol>	e loads have been considered for this de plates unless otherwise indicated. T20 unless otherwise indicated. a plus or minus 1 degree rotation about i connection (by others) of truss to bearin backs, on edge, spaced at 10-0-0 oc a at their outer ends or restrained by othe rect truss backwards.	ts center. Ing plate capable of withstand fastened to each truss				trongback	as to	SEA 0363			

- 6) Required 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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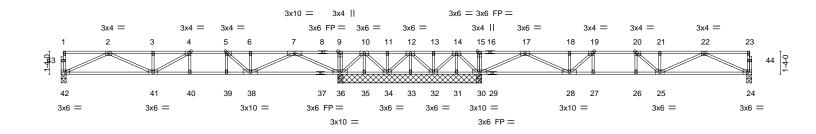
GILB

A. A. GIL October 13,2020

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•	lob	Truss	Truss Type	Qty	Ply	Lot 30 Forest Ridge
	1020-4757	F7A	Floor	1	1	E14970038
				-		Job Reference (optional)
	Comtech, Inc, Fayettev	ville, NC - 28314,			8.330 s Ju	22 2020 MiTek Industries, Inc. Tue Oct 13 08:29:18 2020 Page 1
			ID:Y	_aRO?Cx	glt9gUrlH	W7gHdzqoOe-2BStlyEtZ1dmJHgwO4cgq9YiZvMxoetDb8_0clyTtrF

0-1-8				
	2-0-0 2-0-0 1-3-0	<u> 1-2-8  1-2-8  1-2-8  1-2-8  1-2-8  1-1-12</u>	1-3-0 2-4-4 1-3-0	0-1-8 Scale = 1:66.6



l	<u> </u>		24-3-12 8-3-12				<u>39-11-0</u> 15-7-4	
Plate Offsets (X,		8,Edge], [20:0-1-8,Edge]	0-5-12				13-1-4	
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 0.61 BC 0.85 WB 0.61	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.19 40-41 -0.26 40-41 0.05 24	l/defl >996 >737 n/a	L/d 480 360 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S					Weight: 209 lb	FT = 20%F, 11%E
BOT CHORD 2 WEBS 2 REACTIONS. (lb) -	x4 SP No.1(flat) x4 SP No.1(flat) x4 SP No.3(flat) All bearings 8-3-12 except (jt=length) 42=0- /lax Uplift All uplift 100 lb or less at joint(s) 3 /lax Grav All reactions 250 lb or less at join 1), 30=1703(LC 7), 30=1694(LC 1	34, 33 except 35=-211(LC t(s) 34, 33, 32, 31 except 4		D Structu except D Rigid c	end vert eiling dire	icals. ectly applied	lirectly applied or 6-0-0 o	oc purlins,
FORCES. (Ib) - TOP CHORD	Max. Comp./Max. Ten All forces 250 (lb) c 2-3=-2141/0, 3-4=-2141/0, 4-5=-2108/0, 5-6 9-10=0/1382, 10-11=0/321, 11-12=0/321, 12 15-17=0/1411, 17-18=-1530/0, 18-19=-1530 21-22=-2042/0	=-1561/0, 6-7=-1561/0, 7-9 2-13=0/328, 13-14=0/328,	9=0/1388, 14-15=0/1405,					

- BOT CHORD
   41-42=0/1391, 40-41=0/2108, 39-40=0/2108, 38-39=0/2108, 36-38=0/398, 35-36=-674/0

   34-35=-674/0, 31-32=-697/0, 30-31=-697/0, 28-30=0/416, 27-28=0/2020, 26-27=0/2020, 25-26=0/2020, 24-25=0/1351

   WEBS
   2-42=-1525/0, 2-41=0/830, 3-41=-294/0, 7-36=-1967/0, 7-38=0/1287, 5-38=-808/0,
  - 10-36=-946/0, 10-34=0/504, 14-32=0/524, 14-31=-18/261, 14-30=-945/0, 17-30=-1915/0, 17-28=0/1234, 22-24=-1482/0, 22-25=0/763, 21-25=-261/0, 19-28=-735/0

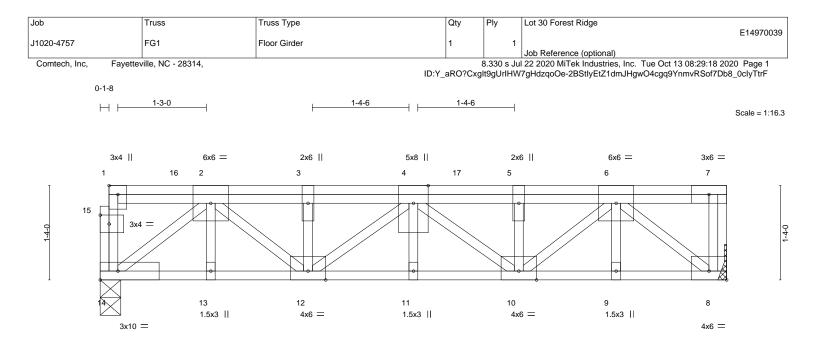
# NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Plates checked for a plus or minus 1 degree rotation about its center.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 33 except (jt=lb) 35=211, 32=188, 31=285.
- 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.



818 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



	H					<u>8-10-4</u> 8-10-4						
Plate Offse	ets (X,Y)	[1:Edge,0-1-8], [8:Edge,0-	1-8], [15:0-1-8	,0-1-8]		0 10 4						
LOADING TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TPI	2-0-0 1.00 1.00 NO 2014	<b>CSI.</b> TC BC WB Matrix	0.27 0.57 0.53 c-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.06 0.02	(loc) 11 11 8	l/defl >999 >999 n/a	L/d 480 360 n/a	<b>PLATES</b> MT20 Weight: 66 lb	<b>GRIP</b> 244/190 FT = 20%F, 11%E
LUMBER- TOP CHOF BOT CHOF WEBS REACTION	RD 2x4 SF 2x4 SF <b>VS.</b> (siz	P No.1(flat) P No.1(flat) P No.3(flat) ee) 14=0-3-8, 8=Mechanic Grav 14=1475(LC 1), 8=135				BRACING- TOP CHOF BOT CHOF		except	end verti	cals.	rectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
FORCES. TOP CHOP BOT CHOP WEBS	RD 2-3= RD 13-1 2-14	. Comp./Max. Ten All forc: -2485/0, 3-4=-2485/0, 4-5=- 4=0/1625, 12-13=0/1625, 1 =-2067/0, 2-12=0/1119, 3-1 =-404/0, 4-12=-315/0	-2414/0, 5-6=- 1-12=0/2734,	-2414/0 10-11=0/273	34, 9-10=0/1	566, 8-9=0/1566						
<ol> <li>2) Refer to</li> <li>3) Recommendation</li> <li>Strongbar</li> <li>4) CAUTIC</li> <li>5) Hanger(</li> </ol>	girder(s) fo nend 2x6 st acks to be a N, Do not e s) or other o	a plus or minus 1 degree ro r truss to truss connections. rongbacks, on edge, space- attached to walls at their out prect truss backwards. connection device(s) shall b 4.74 lb down of 5.412 or	d at 10-0-0 or ter ends or res be provided su	c and fasten strained by o fficient to su	ther means. pport concer	ntrated load(s) 473	lb dow	n at 1-	1-12, 471			

down at 3-1-12, and 471 lb down at 5-1-12, and 471 lb down at 7-1-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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

# LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 8-14=-10, 1-7=-100 Concentrated Loads (lb)

Vert: 3=-471(B) 6=-471(B) 16=-473(B) 17=-471(B)



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