

RE: J0122-0470 LOT 4 N FARM Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Project Name: J0122-0470 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 10 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	149926369	F1	1/27/2022
2	149926370	F2	1/27/2022
3	149926371	F2A	1/27/2022
4	149926372	F3	1/27/2022
5	149926373	F4	1/27/2022
6	149926374	F5	1/27/2022
7	149926375	F6	1/27/2022
8	149926376	KW2	1/27/2022
9	149926377	KW4	1/27/2022
10	149926378	KW5	1/27/2022

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

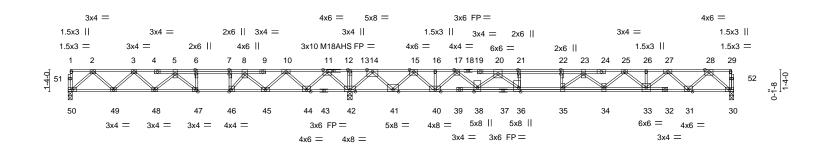
My license renewal date for the state of North Carolina is December 31, 2022

North Carolina COA: C-0844

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



Job	Truss	Truss Type	Qty	Ply	LOT 4 N FARM
10100 0170					149926369
J0122-0470	F1	Floor	4	1	
					Job Reference (optional)
Comtech, Inc, Fayettevi	ille, NC - 28314,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:07 2022 Page 1
		ID:a	ayDjLV?s5J	TJ6EXpV2	ZkE3PydMqS-IJ8K3mvctd4v5QH00iceXzHMfybrDjZgoy9TNUzrBxs
0-1-8	0-10-0				
HI <mark>1-3-0</mark>	1-10-12				2-5-4 0-1-8 Scale = 1:70.



L	17-1-4				40-5-0			
	17-1-4				23-3-12			
Plate Offsets ()	X,Y) [6:0-3-0,Edge], [7:0-3-0,0-0	0-0], [21:0-3-0,Edge], [22:0-3-0,0-0-0],	, [36:0-3-0,Edge], [46:0-1	-8,Edge], [4	47:0-1-8	,Edgej		
LOADING (psi TCLL 40.1 TCDL 10.1 BCLL 0.1	0 Plate Grip DOL 0 Lumber DOL 0 Rep Stress Incr	2-0-0 CSI. 1.00 TC 0.86 1.00 BC 0.64 YES WB 0.82	Vert(LL) -0.38	5 35 x 734-35 x	l/defl >789 >593 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS	GRIP 244/190 186/179
BCDL 5.	0 Code IRC2015/TPI2	2014 Matrix-S					Weight: 244 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD BOT CHORD WEBS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	except er	nd vertic	als.	irectly applied or 5-9-0 c or 6-0-0 oc bracing.	oc purlins,
REACTIONS.	(size) 50=0-3-0, 42=0-3-8, 30 Max Grav 50=786(LC 3), 42=270							
FORCES. (Ib TOP CHORD BOT CHORD	2-3=-1376/17, 3-5=-2176/176, 5- 8-10=-1361/1451, 10-11=-8/2164 15-16=-1817/379, 16-17=-1817/3 22-23=-4991/0, 23-25=-4683/0, 2	es 250 (lb) or less except when shown 6=-2345/740, 6-7=-2345/740, 7-8=-2 4, 11-13=0/3977, 13-14=0/3977, 14-1 379, 17-20=-3481/0, 20-21=-4991/0, 2 25-26=-3668/0, 26-27=-3668/0, 27-28 7-48=-328/2436, 46-47=-740/2345, 4	345/740, 5=0/1295, 21-22=-4991/0, 3=-2061/0					
WEBS	44-45=-1763/809, 42-44=-2719/0 36-38=0/4282, 35-36=0/4991, 34 2-50=-1121/0, 2-49=-46/740, 3-4	0, 41-42=-2374/0, 40-41=-721/830, 34 4-35=0/5016, 33-34=0/4237, 31-33=0 9=-705/81, 3-48=-139/402, 5-48=-35	8-40=-87/2719, /2942, 30-31=0/1201 8/206,					
	8-45=-963/0, 8-46=0/1252, 7-46= 27-33=0/964, 25-33=-755/0, 25-3	1730/0, 11-44=0/1363, 10-44=-132 885/0, 28-30=-1596/0, 28-31=0/119 34=0/598, 23-34=-448/12, 23-35=-57 5-41=-1695/0, 15-40=0/1411, 17-40= 0-36=0/1325, 21-36=-584/0	96, 27-31=-1226/0, 9/375,					
NOTES-	floor live loads have been consider	ed for this design					TH CA	ROUL

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 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.

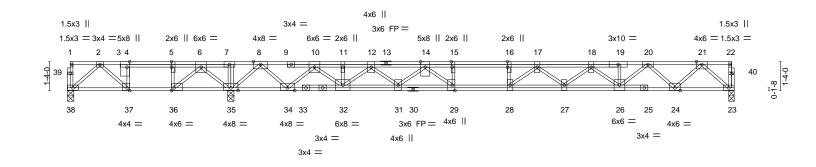


Engineering By A Mitek Attiliate 818 Soundside Road Edenton, NC 27932

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

Job	Truss	Truss Type	Qty	Ply	LOT 4 N FARM	
					14992	26370
J0122-0470	F2	Floor	1	1		
					Job Reference (optional)	
Comtech, Inc, Fayettev	ille, NC - 28314,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:09 2022 Page	1
			FITICTY.		dMac bbC4U Cup DEKdKiD DQ7aCaOMk0mCmbdd=C0aZDN=rBy	~





	7-6-12			0-10-8 3-3-12				
Plate Offsets (X,Y)		3-0,Edge], [16:0-3-0,0-0-0],], [37:0-1-8	,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	CSI. TC 0.74 BC 0.67 WB 0.79 Matrix-S	DEFL. Vert(LL) -0. Vert(CT) -0. Horz(CT) 0.		>612	L/d 480 360 n/a	PLATES MT20 Weight: 209 lb	GRIP 244/190 FT = 20%F, 11%E
1-1 BOT CHORD 2x	4 SP No.1(flat) *Except* 13: 2x4 SP 2400F 2.0E(flat) 4 SP No.1(flat) 4 SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	excep	t end vertio	als.	ectly applied or 6-0-0 o	oc purlins,
	(size) 38=0-3-8, 35=0-3-8, 23=0-3-0 ax Uplift 38=-298(LC 4) ax Grav 38=272(LC 3), 35=2243(LC 1), 23	3=1139(LC 7)						
TOP CHORD 2 BOT CHORD 3 WEBS 2 1 8	Aax. Comp./Max. Ten All forces 250 (lb) 2-4223/1122, 4-5=-223/1084, 5-6=-223/1 11-12=-2542/0, 12-14=-4128/0, 14-15=-53 17-18=-5087/0, 18-19=-3819/0, 19-20=-38 37-38=-324/246, 36-37=-1084/223, 35-36= 31-32=0/3498, 29-31=0/4769, 28-29=0/532 23-24=0/1237 2-38=-324/428, 2-37=-1033/0, 4-37=0/651, 21-23=-1645/0, 21-24=0/1244, 20-24=-128 18-27=0/531, 17-27=-440/0, 17-28=-466/52 3-34=0/1653, 10-34=-1701/0, 10-32=0/139 14-29=0/1097, 15-29=-492/0	084, 6-7=0/2741, 7-8=0/27 29/0, 15-16=-5329/0, 16-1 2/0, 20-21=-2131/0 -2080/0, 34-35=-1113/0, 32 9, 27-28=0/5371, 26-27=0, 6-35=-1056/0, 6-36=0/158 1/0, 20-26=0/1008, 18-26= 20, 16-28=-259/131, 8-35=-	 '58, 10-11=-2542/0, 7=-5329/0, 2-34=0/1472, /4686, 24-26=0/3052, '2, 5-36=-938/0, -1133/0, -2181/0, 					
 All plates are 3x Plates checked Provide mechar 38=298. Recommend 2x Strongbacks to 	or live loads have been considered for this 6 MT20 unless otherwise indicated. for a plus or minus 1 degree rotation abou nical connection (by others) of truss to bea 6 strongbacks, on edge, spaced at 10-0-0 be attached to walls at their outer ends or not erect truss backwards.	t its center. ing plate capable of withst oc and fastened to each ti	russ with 3-10d (0.131		/	Commen	SEA 0363	EEP ER III

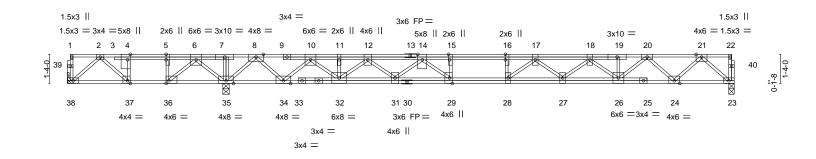
818 Soundside Road Edenton, NC 27932

C A. GI A. GIL January 27,2022

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Job	Truss	Truss Type	Qty	Ply	LOT 4 N FARM
					149926371
J0122-0470	F2A	Floor	2	1	
					Job Reference (optional)
Comtech, Inc,	Fayetteville, NC - 28314,		8.	.430 s Aug	16 2021 MiTek Industries, Inc. Thu Jan 27 09:28:10 2022 Page 1





	7-3-4				30-7-					
Plate Offsets (X,Y)	7-3-4 [4:0-3-0,Edge], [5:0-3-0,E	dge], [15:0-3-0),Edge], [16:0-3-0,0-0-0],	[29:0-3-0,Edge], [3	23-3- 36:0-1-8		, [37:0-1-	8,Edge]		•
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.00 1.00 YES Pl2014	CSI. TC 0.91 BC 0.66 WB 0.79 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.33 -0.45 0.05	(loc) 28 28 23	l/defl >850 >620 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 208 lb	GRIP 244/190 FT = 20%F, 11%E
	No.1(flat) No.1(flat) No.3(flat)			BRACING- TOP CHOR BOT CHOR		except	end verti	icals.	ectly applied or 2-2-0 o	oc purlins,
Max U	e) 38=Mechanical, 35=0 plift 38=-353(LC 4) rav 38=243(LC 3), 35=22	,								
TOP CHORD 2-4=- 10-11 16-17 BOT CHORD 37-38 31-32 23-2 WEBS 2-38= 21-23 18-27 10-34	Comp./Max. Ten All for 152/1255, 4-5=-152/1229 =-2364/0, 11-12=-2364/0 '=-5214/0, 17-18=-5013/0]=-398/211, 36-37=-1229/ 2=0/334, 29-31=0/4630, 4=0/1225 278/528, 2-37=-1130/0,]=-1628/0, 21-24=0/1228, '=0/516, 17-27=-427/0, 17]=-1709/0, 10-32=0/1391,]=0/1114, 15-29=-498/0	 b), 5-6=-152/122 b), 12-14=-3974 b), 18-19=-3771 c), 18-19=-3771 c), 18-19=-3771 c), 122 c), 23-36=-2 c), 23-24=-1265 c), 20-24=-1265 c), 20-24=-483 c), 28=-483 	19, 6-7=0/2926, 7-8=0/29 70, 14-15=-5214/0, 15-16 10, 19-20=-3764/0, 20-21 232/0, 34-35=-1274/0, 32 27-28=0/5282, 26-27=0/ 35=-1121/0, 6-36=0/156 0, 20-26=0/991, 18-26=-1 8-35=-2211/0, 8-34=0/10	42, 8-10=-84/262, =-5214/0, =-2108/0 2-34=0/1294, '4623, 24-26=0/30' 3, 5-36=-924/0, 1113/0, 663,	17,					
 All plates are 3x6 M⁻ Plates checked for a Refer to girder(s) for Provide mechanical 38=353. Recommend 2x6 str 	e loads have been consid T20 unless otherwise indi- plus or minus 1 degree r truss to truss connection connection (by others) of ongbacks, on edge, space ttached to walls at their ou rect truss backwards.	cated. otation about it s. truss to bearin ed at 10-0-0 o	s center. g plate capable of withsta c and fastened to each tr	•		. ,	,		SEA 0363	EER A

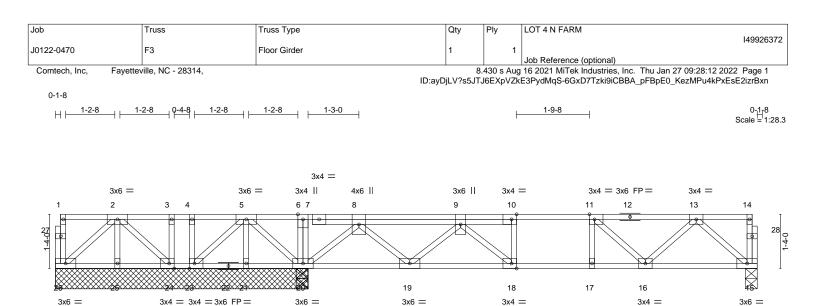
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
- Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.



GILB

A. GIL January 27,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1** Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



	3-9-4 4-7-8 5-11-8 3-9-4 0-10-4 1-4-0	0-1-8 0-1-8	17-3-0 11-0-8	
Plate Offsets (X,Y)	[10:0-1-8,Edge], [11:0-1-8,Edge], [18:0	-1-8,Edge], [23:0-1-8,Edg	je], [24:0-1-8,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 IncrNOCode IRC2015/TPI2014	CSI. TC 0.39 BC 0.36 WB 0.44 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) -0.05 18-19 >999 480 Vert(CT) -0.06 18-19 >999 360 Horz(CT) 0.01 15 n/a n/a	PLATES GRIP MT20 244/190 Weight: 103 lb FT = 20%F, 11%E
BOT CHORD 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat)		BRACING- TOP CHORD Structural wood sheathing din except end verticals. BOT CHORD Rigid ceiling directly applied of	rectly applied or 6-0-0 oc purlins, or 6-0-0 oc bracing.

REACTIONS. All bearings 6-2-8 except (jt=length) 15=0-3-8.

Max Uplift All uplift 100 lb or less at joint(s) 26 except 21=-206(LC 4), 23=-308(LC 4)

Max Grav All reactions 250 lb or less at joint(s) 26, 25, 21, 23, 24 except 20=1635(LC 9), 20=1595(LC 1), 15=557(LC 4)

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

- TOP CHORD
 5-6=-30/1405, 6-8=-31/1406, 8-9=-427/0, 9-10=-1179/0, 10-11=-1174/0, 11-13=-883/0

 BOT CHORD
 21-23=-646/36, 20-21=-646/36, 19-20=-506/247, 18-19=0/1068, 17-18=0/1174,
- 16-17=0/1174, 15-16=0/583

 WEBS
 5-20=-1002/0, 5-23=-53/553, 8-20=-1249/0, 8-19=0/933, 9-19=-897/0, 9-18=-58/355, 13-15=-774/0, 13-16=0/417, 11-16=-396/0

NOTES-

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

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

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

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26 except (jt=lb) 21=206, 23=308.

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) 350 lb down and 195 lb up at 9-8-4 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

(lb) -

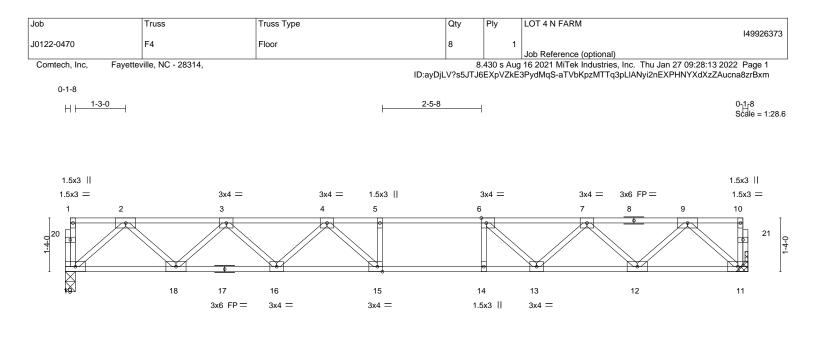
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf) Vert: 15-26=-10, 1-14=-100 Concentrated Loads (lb) Vert: 9=-270(F)



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			<u>16-11-8</u> 16-11-8			
Plate Offsets (X,Y)	[6:0-1-8,Edge], [15:0-1-8,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	CSI. TC 0.72 BC 1.00 WB 0.45 Matrix-S	Vert(LL) -0.2	n (loc) l/defl L/d 6 15-16 >761 480 4 15-16 >582 360 5 11 n/a n/a	PLATES MT20 Weight: 86 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	⁻ No.1(flat) ⁻ No.1(flat) ⁻ No.3(flat) e) 19=0-3-0. 11=Mechanical		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	,) oc purlins,

Max Grav 19=913(LC 1), 11=913(LC 1)

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

- TOP CHORD 2-3=-1655/0, 3-4=-2679/0, 4-5=-3115/0, 5-6=-3115/0, 6-7=-2678/0, 7-9=-1655/0
- BOT CHORD 18-19=0/983, 16-18=0/2304, 15-16=0/3008, 14-15=0/3115, 13-14=0/3115, 12-13=0/2287, 11-12=0/988
- WEBS 2-19=-1305/0, 2-18=0/935, 3-18=-903/0, 3-16=0/523, 4-16=-457/0, 9-11=-1313/0, 9-12=0/928, 7-12=-879/0, 7-13=0/590, 6-13=-756/0, 4-15=-141/503, 5-15=-250/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 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.

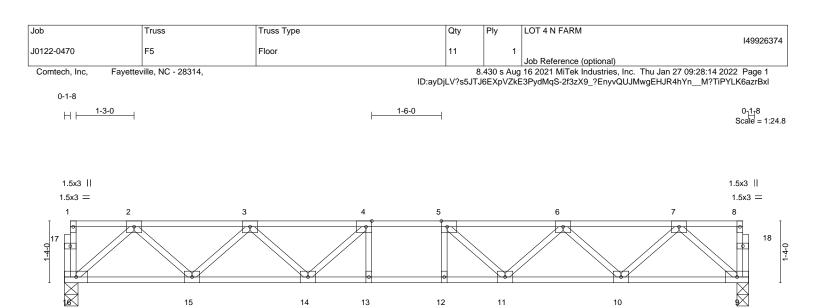
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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



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1.5x3 ||

			14-9-0			
I			14-9-0			1
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 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 0.30 BC 0.61 WB 0.36 Matrix-S		12-13 >999 480 12-13 >999 360	PLATES MT20 Weight: 77 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP	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,

1/1-0-0

1.5x3 ||

REACTIONS. (size) 16=0-3-8, 9=0-3-0 Max Grav 16=791(LC 1), 9=791(LC 1)

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

TOP CHORD 2-3=-1395/0, 3-4=-2154/0, 4-5=-2385/0, 5-6=-2154/0, 6-7=-1395/0

- BOT CHORD 15-16=0/845, 14-15=0/1915, 13-14=0/2385, 12-13=0/2385, 11-12=0/2385, 10-11=0/1915, 9-10=0/845
- WEBS 2-16=1122/0, 2-15=0/765, 3-15=-723/0, 3-14=0/386, 4-14=-462/0, 7-9=-1122/0, 7-10=0/765, 6-10=-723/0, 6-11=0/386, 5-11=-462/0

NOTES-

3x6 =

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.

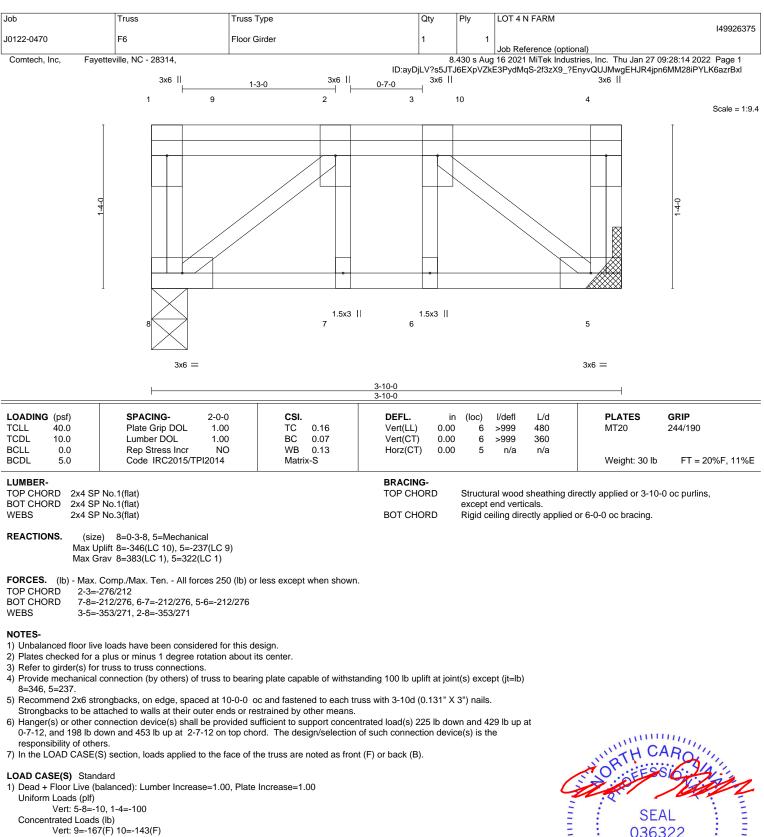
Strongbacks to be attached to walls at their outer ends or restrained by other means.



3x6 =

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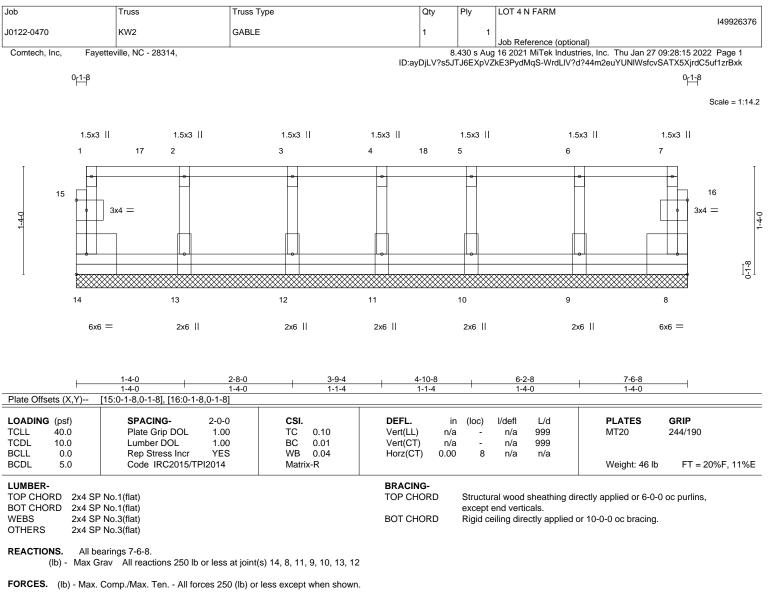






TREERING BY A MiTek Affiliate 818 Soundside Road Edenton, NC 27932

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NOTES-

- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.

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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down at 0-10-12, 73 lb down at 2-4-12, and 73 lb down at 4-4-12, and 73 lb down at 6-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

7) 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: 6=-73(F) 3=-73(F) 17=-76(F) 18=-73(F)



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

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149926377	optional)	ference (or	Job Ref	1		1		9	Supported Gab	Floor S		KW4		J0122-0470
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3x4 =									3x6 FP =					3x4 =

			16-11-8 16-11-8				
LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-R	DEFL. ii Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	a - a -	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20 Weight: 75 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 S WEBS 2x4 S	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	except er	nd verticals.	rectly applied or 6-0-0 or 10-0-0 oc bracing.) oc purlins,

REACTIONS. All bearings 16-11-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 24, 23, 22, 21, 20, 19, 18, 17

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

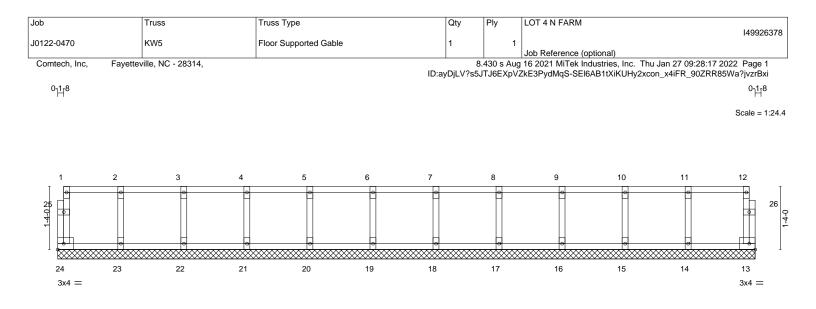
NOTES-

- 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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			14-9-0			
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00	CSI. TC 0.07	Vert(LL) n/		PLATES MT20	GRIP 244/190
TCDL 10.0 BCLL 0.0 BCDL 5.0	Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	BC 0.01 WB 0.03 Matrix-R	Vert(CT) n/ Horz(CT) 0.0		Weight: 66 lb	FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat)			BRACING- TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,		
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.		

14-9-0

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 14-9-0.

(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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