

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0920-4401 Lot 60 Happy Acres

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: E14945109 thru E14945117

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



October 6,2020

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

Job	Truss	Truss Type	Qty Ply	Lot 60 Happy Acres	F11015100
J0920-4401	ET1	Floor Supported Gable	1 1	Job Reference (optional)	E14945109
Comtech, Inc, Fayettev	ille, NC - 28314,	ID:YkalB	8.330 s J 0Lf1uPsElrXS89Zz0	Jul 22 2020 MiTek Industries, Inc. Tue Oct 6 10:00:2 Ozv2un-pMvGRC5KKy_8EeUvExhsmxU4m848ZEIeB	5 2020 Page 1 FHSZ2yWA9q
0-1 ₁ 8					0-1 ₁ 8
					Scale = 1:45.0
		3x4 = 3x	6 FP =		
1 2 3	4 5 6	7 8 9 10 11 12	13 14 15	16 17 18 19 20 21	22
44 43 42	41 40 39	38 37 36 35 34 33 32	31 30	29 28 27 26 25 24	4 23
3x4 =		3x6 FP = 3x4 =			3x4 =

Plate Offsets (X,Y)	[10:0-1-8.Edge], [33:0-1-8.Edge]		26-11-8 26-11-8			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.08 BC 0.01 WB 0.04 Matrix-S	DEFL. in Vert(LL) n/i Vert(CT) n/i Horz(CT) 0.00	a - n/a 999	PLATES MT20 Weight: 119 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)	Mallix-S	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	ectly applied or 6-0-0 o	

REACTIONS. All bearings 26-11-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 44, 23, 43, 42, 41, 40, 39, 38, 37, 36, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24

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.

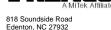
3) Gable requires continuous bottom chord bearing.

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.





lob	Truss		Truss Type				Qty	Ply	Lot 60 Ha	ppy Acres				E14945110
10920-4401	ET2		GABLE				1	1	Job Refer	ence (option	al)			E14945110
Comtech, Inc, Fayette	ville, NC - 28314,		·			I	D:YkalB0Lf	8.330 s J 1uPsEIrXS89	ul 22 2020 I	MiTek Indust	ries, Inc. Tu			
0-1 ₁ 8														0-1 ₁ 8
													S	Scale = 1:34.2
								3x6	FP =					
1 2 3	4	5	6	7	8	9	10	11 1	2 13	14	15	16	17	18
4- 9- 9- 9-	8		<u>e</u>	<u>e</u>	<u>e</u>	<u>e</u>	•	<u> </u>	<u> </u>				<u>e</u>	-0
36 35 34	33	32	31 30	29	28	27	26	25	24	23	22	21	20	19
3x4 =			3x6	Р =										3x4 =

				20-7-0 20-7-0			
TCDL 10 BCLL 0	osf) 0.0 0.0 0.0 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: 91 lb	GRIP 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 CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	,) oc purlins,

OTHERS 2x4 SP No.3(flat)

REACTIONS. All bearings 20-7-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 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).

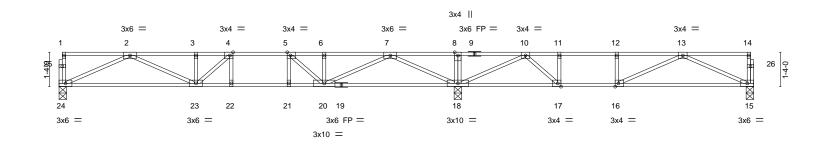
5) Gable studs spaced at 1-4-0 oc.

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.





Job	Truss	Truss Type	Qty	Ply	Lot 60 Happy Acres
					E14945111
J0920-4401	F1	Floor	6	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	ille, NC - 28314,			8.330 s Ju	I 22 2020 MiTek Industries, Inc. Tue Oct 6 10:00:27 2020 Page 1
-		ID:	YkalB0Lf1	uPsElrXS8	39ZzOzv2un-II11st7asZEsUyeILMjKrMaE6xbq10ExeZmYdxyWA9o
0-1-8					
2-6-0	1-3-0 1 2-	1-4 1-3-0			1-3-0 1 2-1-4 0-1 ₁ 8
HF					Scale = 1:44.7
					Scale = 1.44.7



l	<u> </u>			-			<u>26-1</u> 11-5		
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [16:0-1-8	,Edge], [17:0-1-8,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 0.85 BC 0.70 WB 0.55 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.19	n (loc) 9 15-16 9 15-16 9 15-16 5 15	l/defl >720 >453 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 134 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHOP BOT CHOP	RD	excep [:] Rigid o	t end vert	icals. ectly applied o	ectly applied or 6-0-0 or 10-0-0 oc bracing,	
REACTIONS. (size Max G	e) 24=0-3-8, 15=0-3-8, 18=0-3-8 rav 24=800(LC 10), 15=597(LC 4), 18=	1605(LC 1)			0000		g. 17 10.		
()	Comp./Max. Ten All forces 250 (lb) or 2278/0, 3-4=-2278/0, 4-5=-2400/0, 5-6=	•	/922,						

8-10=0/922, 10-11=-1325/0, 11-12=-1325/0, 12-13=-1325/0 BOT CHORD 23-24=0/1475, 22-23=0/2400, 21-22=0/2400, 20-21=0/2400, 18-20=0/1149, 17-18=-261/922, 16-17=0/1325, 15-16=0/1030

WFBS 8-18=-301/0, 2-24=-1618/0, 2-23=0/887, 3-23=-251/18, 7-18=-1806/0, 7-20=0/1153, 4-23=-378/124, 5-20=-621/0, 13-15=-1129/0, 10-18=-1290/0, 13-16=-111/326, 10-17=0/761, 11-17=-409/0

NOTES-

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

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

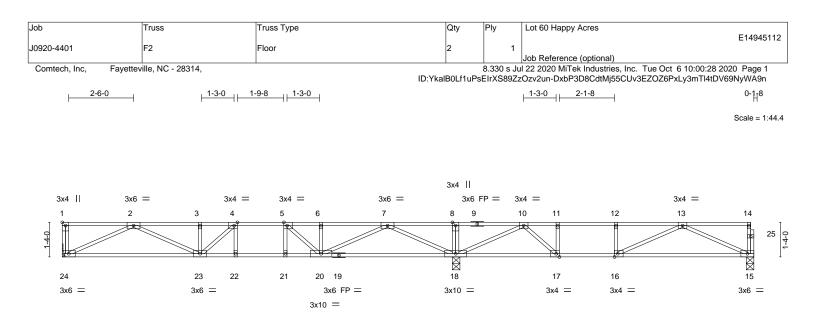
3) Plates checked for a plus or minus 1 degree rotation about its center.

A) 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.







	15-2-0		15-2-4		26-8-0	
I	15-2-0		0-0-4		11-5-12	I
Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,E	Edge], [16:0-1-8,Edge], [1	7:0-1-8,Edge]			
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00	CSI. TC 0.85 BC 0.64	Vert(CT) -0.30	15-16 >724 480 15-16 >455 360	PLATES MT20	GRIP 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.53 Matrix-S	Horz(CT) 0.05	15 n/a n/a	Weight: 134 lb	FT = 20%F, 11%E
LUMBER-			BRACING-			
	PNo.1(flat)		TOP CHORD		g directly applied or 6-0-0	oc purlins,
	P No.1(flat) P No.3(flat)		BOT CHORD	except end verticals. Rigid ceiling directly appl 6-0-0 oc bracing: 17-18.	lied or 10-0-0 oc bracing,	Except:
REACTIONS. (siz Max G	e) 24=Mechanical, 18=0-3-8, 15=0-3-8 Srav 24=791(LC 10), 18=1585(LC 1), 15=					

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

 TOP CHORD
 2-3=-2213/0, 3-4=-2213/0, 4-5=-2317/0, 5-6=-2066/0, 6-7=-2066/0, 7-8=0/915,

8-10=0/915, 10-11=-1335/0, 11-12=-1335/0, 12-13=-1335/0 BOT CHORD 23-24=0/1444, 22-23=0/2317, 21-22=0/2317, 20-21=0/2317, 18-20=0/1142, 17-18=-245/931, 16-17=0/1335, 15-16=0/1035 WEBS 8-18=-301/0, 2-24=-1590/0, 2-23=0/849, 7-18=-1767/0, 7-20=0/1119, 5-20=-568/0, 4-23=-347/148, 10-18=-1284/0, 13-15=-1133/0, 13-16=-103/332, 10-17=0/754,

11-17=-406/0

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

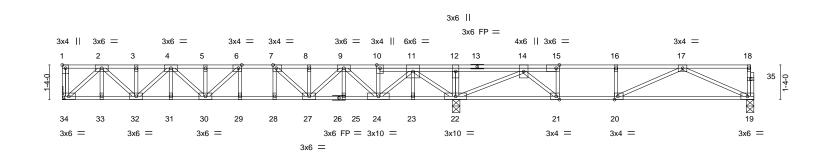
Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.
 Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



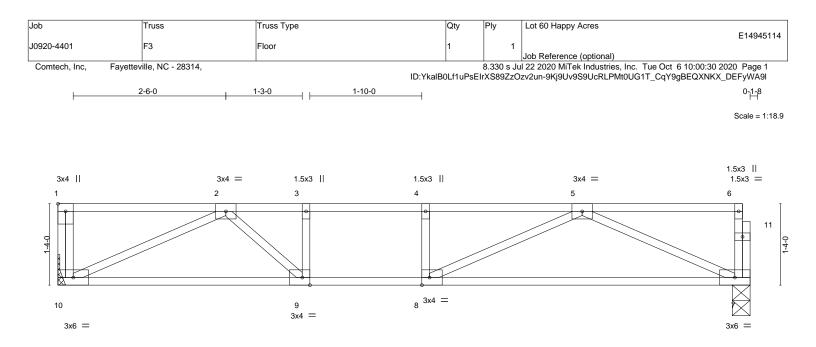


Job	Truss	Truss Type	Qty	Ply	Lot 60 Happy Acres
					E14945113
J0920-4401	F2A	Floor Girder	1	1	
					Job Reference (optional)
Comtech, Inc, Fayettev	rille, NC - 28314,			8.330 s Ju	ul 22 2020 MiTek Industries, Inc. Tue Oct 6 10:00:29 2020 Page 1
· · · •			ID:YkalB0I	_f1uPsEIrXS	S89ZzOzv2un-h79nHZ8qOBUajFnhTmlownfbilMqVxtE6tFfipyWA9m
1-2-8	<u>⊢1-</u>	2-8	1-5-8	2-6-0	+ 1-3-0 + 2-1-8 + 2-6-0 + 2-6-0 + 1 +8
					Scale = 1:44.4



	<u> </u>							-8-0	
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,	Edge], [15:0-1-8,Edge], [2	20:0-1-8,Edge], [21	:0-1-8	,Edge]				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.78 BC 0.35 WB 0.48 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.14	(loc) 19-20 19-20 19	l/defl >990 >610 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 156 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SP WEBS 2x4 SP REACTIONS. (size	2400F 2.0E(flat) 2400F 2.0E(flat) No.3(flat) e) 34=Mechanical, 22=0-3-8, 19=0-3-8 rav 34=778(LC 10), 22=1916(LC 1), 19=		BRACING- TOP CHOR BOT CHOR		except Rigid c	end verti eiling dire	cals. ectly applied o	ectly applied or 6-0-0 o or 10-0-0 oc bracing, 1 8,21-22,20-21.	
TOP CHORD 2-3=- 8-9=- 14-15 BOT CHORD 33-34 27-28 21-22 WEBS 12-22 7-27=	Comp./Max. Ten All forces 250 (lb) or 1425/0, 3-4=-1425/0, 4-5=-2160/0, 5-6= 2035/0, 9-10=-1158/0, 10-11=-1161/0, 1 i=-1278/55, 15-16=-1279/49, 16-17=-12 i=0/824, 32-33=0/824, 31-32=0/1872, 30 i=0/2259, 25-27=0/1680, 24-25=0/1680, 2=-391/841, 20-21=-49/1279, 19-20=0/10 i=-652/0, 2-34=-1090/0, 2-32=0/811, 4-3 i=-528/0, 9-27=0/535, 9-24=-773/0, 11-24 i=-1103/0, 17-20=-147/301, 14-21=0/838	-2160/0, 6-7=-2259/0, 7-8 1-12=0/1134, 12-14=0/1 79/49 0-31=0/1872, 29-30=0/22 23-24=-43/479, 22-23=-4 007 2=-602/0, 4-30=0/389, 6- =0/1000, 11-22=-1342/0,	3=-2035/0, 151, 59, 28-29=0/2259, 13/479, 30=-331/161,						
 All plates are 1.5x3 M Plates checked for a Refer to girder(s) for Recommend 2x6 stm Strongbacks to be at CAUTION, Do not er Hanger(s) or other co chord. The design/s In the LOAD CASE(S) Stand Dead + Floor Live (b Uniform Loads (plf) 	onnection device(s) shall be provided su election of such connection device(s) is S) section, loads applied to the face of th dard alanced): Lumber Increase=1.00, Plate =-10, 1-18=-100 (lb)	s center. c and fastened to each trr strained by other means. fficient to support concer the responsibility of other he truss are noted as fron	itrated load(s) 339 s.		,			SEA 0306	52 EER. HUIL





L			11-4-0			
Plate Offsets (X,Y)	[1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8.	Edgol	11-4-0			1
Fiale Olisels (A, f)	[1.Euge,0-1-6], [6.0-1-6,Euge], [9.0-1-6,	,Eugej				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.52	Vert(LL) -0.14	7-8 >974 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.47	Vert(CT) -0.22	7-8 >596 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.02	7 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 58 lb	FT = 20%F, 11%E
LUMBER-			BRACING-			
TOP CHORD 2x4 SP	No.1(flat)		TOP CHORD	Structural wood sheath	ing directly 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 ap	plied or 10-0-0 oc bracing.	
	10-Machanical 7-0.2.8					

REACTIONS. (size) 10=Mechanical, 7=0-3-8 Max Grav 10=610(LC 1), 7=603(LC 1)

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

TOP CHORD 2-3=-1375/0, 3-4=-1375/0, 4-5=-1375/0

BOT CHORD 9-10=0/1055, 8-9=0/1375, 7-8=0/1046

WEBS 2-10=-1162/0, 5-7=-1146/0, 5-8=0/474, 2-9=0/558, 3-9=-293/0

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.

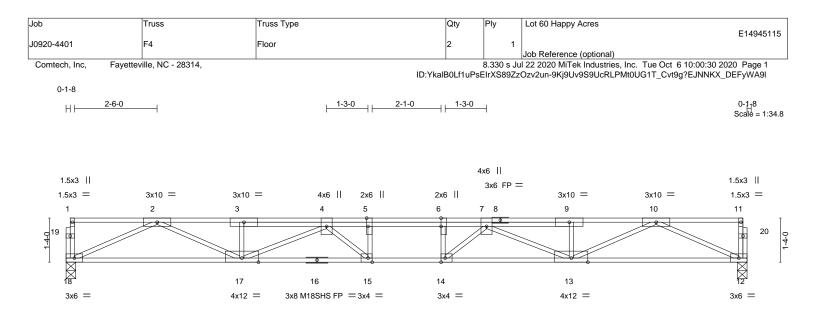
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

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

5) CAUTION, Do not erect truss backwards.







 			<u>20-7-0</u> 20-7-0			
Plate Offsets (X,Y)	[5:0-3-0,Edge], [6:0-3-0,0-0-0], [14:0-1-8	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 IncrYESCode IRC2015/TPI2014	CSI. TC 0.24 BC 0.48 WB 0.78 Matrix-S	Vert(LL) -0.30	n (loc) l/defl L/d) 14-15 >823 480 I 14-15 >599 360 3 12 n/a n/a	PLATES MT20 M18SHS Weight: 116 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF	2 2400F 2.0E(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 o	<i>y</i>	oc purlins,
REACTIONS. (siz Max G	e) 18=0-3-8, 12=0-3-8 Grav 18=1112(LC 1), 12=1112(LC 1)					

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

TOP CHORD 2-3=-3625/0, 3-4=-3628/0, 4-5=-4893/0, 5-6=-4893/0, 6-7=-4893/0, 7-9=-3628/0, 9-10=-3627/0

 BOT CHORD
 17-18=0/2146, 15-17=0/4631, 14-15=0/4893, 13-14=0/4649, 12-13=0/2146

 WEBS
 2-18=-2357/0, 2-17=0/1635, 10-12=-2356/0, 10-13=0/1637, 7-13=-1120/0, 4-17=-1102/0, 4-15=-130/750, 7-14=-150/736, 6-14=-438/102, 5-15=-447/88

NOTES-

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

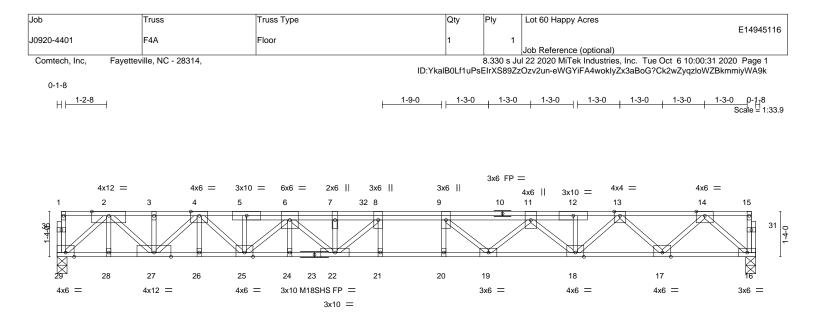
2) All plates are MT20 plates unless otherwise indicated.

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.







			20-7-0		-	
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 0.35 BC 0.76 WB 0.77 Matrix-S	DEFL. i Vert(LL) -0.3 Vert(CT) -0.4 Horz(CT) 0.09	7 21 >518 360	PLATES MT20 M18SHS Weight: 128 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF	2400F 2.0E(flat) 2400F 2.0E(flat)		BRACING- TOP CHORD	Structural wood sheathing dir except end verticals.	ectly applied or 6-0-0	oc purlins,

20-7-0

except end verticals. BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-2637/0, 3-4=-2637/0, 4-5=-4560/0, 5-6=-4565/0, 6-7=-6181/0, 7-8=-6181/0,

(size) 29=0-3-8, 16=0-3-8 Max Grav 29=1311(LC 1), 16=1269(LC 1)

8-9=-6253/0, 9-11=-5685/0, 11-12=-4249/0, 12-13=-4244/0, 13-14=-2423/0 BOT CHORD 28-29=0/1442, 27-28=0/1442, 26-27=0/3673, 25-26=0/3673, 24-25=0/5473, 22-24=0/5473, 21-22=0/6253, 20-21=0/6253, 19-20=0/6253, 18-19=0/5148, 17-18=0/3428, 16-17=0/1391 2-29=-1903/0, 2-27=0/1613, 4-27=-1398/0, 4-25=0/1197, 6-25=-1204/0, 6-22=0/942. WEBS 7-22=-615/0, 8-22=-522/378, 14-16=-1849/0, 14-17=0/1436, 13-17=-1397/0, 13-18=0/1109, 11-18=-1201/0, 11-19=0/902, 9-19=-987/0

NOTES-

WFBS

REACTIONS.

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

2) All plates are MT20 plates unless otherwise indicated.

2x4 SP No.3(flat)

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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 412 lb down at 9-1-4 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).

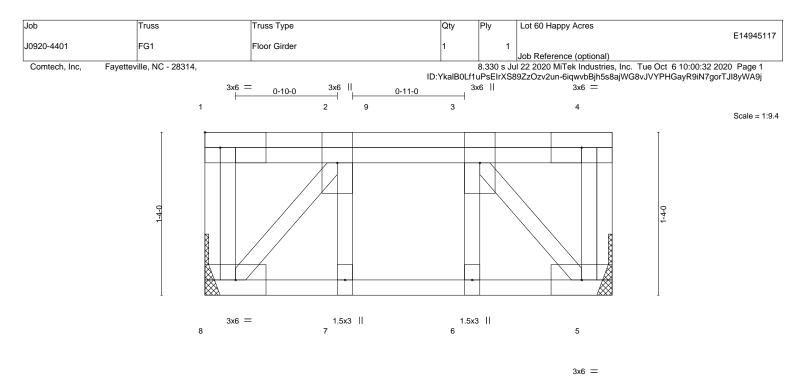
LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 16-29=-10, 1-15=-100 Concentrated Loads (lb)

Vert: 32=-355(B)







<u>3-4-0</u> 3-4-0							—		
LOADING (psf) TCLL 40.0	SPACING- 2-0-0 Plate Grip DOL 1.00	CSI. TC 0.17	DEFL. in Vert(LL) -0.00	n (loc)) 7	l/defl >999	L/d 480	PLATES MT20	GRIP 244/190	
TCDL 10.0 BCLL 0.0	Lumber DOL 1.00 Rep Stress Incr NO	BC 0.11 WB 0.12	Vert(CT) -0.00 Horz(CT) 0.00) 7	>999 n/a	360 n/a			
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S	1012(01) 0.00	, 5	Π/a	11/a	Weight: 27 lb	FT = 20%F, 11%E	
LUMBER-			BRACING-						

TOP CHORD

BOT CHORD

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

REACTIONS. (size) 8=Mechanical, 5=Mechanical Max Grav 8=455(LC 1), 5=393(LC 1)

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

TOP CHORD 2-3=-354/0

BOT CHORD 7-8=0/354, 6-7=0/354, 5-6=0/354

WEBS 2-8=-533/0, 3-5=-533/0

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.

5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 536 lb down at 1-5-12 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: 5-8=-10, 1-4=-100 Concentrated Loads (lb) Vert: 9=-510(F)



Structural wood sheathing directly applied or 3-4-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



