

Trenco 818 Soundside Rd Edenton, NC 27932

Re: Jackson_FL

Lamco Custom Homes

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource (Albermarle, NC).

Pages or sheets covered by this seal: E12988361 thru E12988371

My license renewal date for the state of North Carolina is December 31, 2019.

North Carolina COA: C-0844



May 1,2019

Gilbert, Eric

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	Lamco Custom Homes
					E12988361
Jackson_FL	F1	Floor	3	1	
					Joh Reference (ontional)

Builders FirstSource

Albemarle , NC 28001

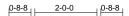
8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:01 2019 Page 1 $ID: TzqElgM?vNsmlViTkhYcdxyrx_7-A93OAT51b8JvA5YCfcCEdNsNBdEJ6HU?tZKp8ZzKvlindstran$

Structural wood sheathing directly applied or 2-2-0 oc purlins,

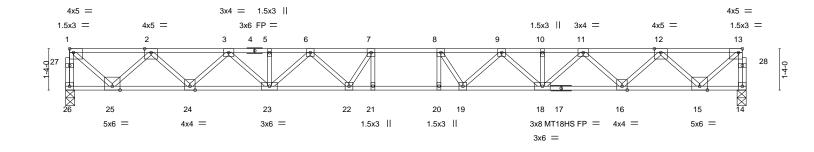
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

0-1-8



0-1₋8 Scale = 1:37.1



\vdash		9-11	-			1-0-0 1-0-0			9-11-8		
Plate Offse	ets (X,Y)	[1:Edge,0-1-8], [13:0-1-8			'	1-0-0 1-0-0			3-11-0		
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.47 20-21	>558	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.64 20-21	>405	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09 14	n/a	n/a		
BCDL	5.0	Code IRC2015/TI	PI2014	Matrix	-S	, ,				Weight: 115 lb	FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

10 11 0 11 11 0

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD

2x4 SP 2400F 2.0E(flat) *Except*

14-17: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 26=1185/0-3-8, 14=1185/0-3-8

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

TOP CHORD 1-26=-1179/0, 13-14=-1180/0, 1-2=-1229/0, 2-3=-3110/0, 3-5=-4452/0, 5-6=-4452/0,

6-7=-5160/0, 7-8=-5303/0, 8-9=-5160/0, 9-10=-4453/0, 10-11=-4453/0, 11-12=-3110/0,

12-13=-1230/0

BOT CHORD 24-25=0/2322, 23-24=0/3871, 22-23=0/4911, 21-22=0/5303, 20-21=0/5303, 19-20=0/5303,

18-19=0/4911, 16-18=0/3871, 15-16=0/2322 7-21=-305/332, 8-20=-305/332, 1-25=0/1588, 2-25=-1519/0, 2-24=0/1096, 3-24=-1059/0,

3-23=0/790, 6-23=-624/0, 6-22=0/539, 7-22=-663/215, 13-15=0/1588, 12-15=-1520/0,

12-16=0/1096, 11-16=-1058/0, 11-18=0/791, 9-18=-623/0, 9-19=0/539, 8-19=-663/215

NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x3 MT20 unless otherwise indicated.
- 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.





Edenton, NC 27932

Job Truss Truss Type amco Custom Homes Qty E12988362 Jackson_FL F2E GABLE Job Reference (optional)

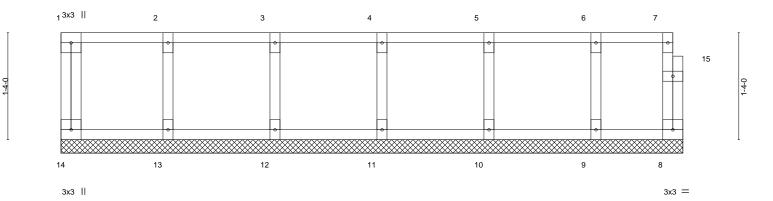
Builders FirstSource.

Albemarle , NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:05 2019 Page 1 ID:TzqElgM?vNsmlViTkhYcdxyrx_7-3wlu0q8XfMpLfiszuRHAnD0EKEmx2GobnBl1HKzKvle

0₁1-8

Scale = 1:14.4



	1-4-0	2-8-0 1-4-0	4-0-0 1-4-0	+	5-4-0 1-4-0	+	6-8-0 1-4-0	7-9-0	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOI Lumber DOL Rep Stress Ind Code IRC201:	1.00 or YES	CSI. TC 0.08 BC 0.01 WB 0.03 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc n/a n/a 0.00	c) l/defl - n/a - n/a 8 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 37 lb	GRIP 244/190 FT = 20%F, 11%E

LUMBER-

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

OTHERS 2x4 SP No.3(flat) **BRACING-**TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. All bearings 7-9-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 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) CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty amco Custom Homes E12988363 Jackson_FL F3 Floor Job Reference (optional)

Builders FirstSource.

Albemarle, NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:07 2019 Page 1 ID:TzqElgM?vNsmlViTkhYcdxyrx_7-?JQfRW9oB_43u0?M0sJese5Ny2ETW_tuFVn8MDzKvlc

Structural wood sheathing directly applied or 5-7-14 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

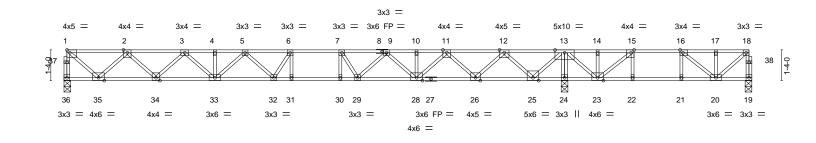
except end verticals.

0-1-8

HI-3-0

0-8-8 2-0-0 0-8-4 1-4-12 2-0-0 1-4-8

0-1-8 Scale = 1:50.1



11-11-8 10-11-8 25-9-8 26-9-8 9-11-8 1-0-0 9-9-12 1-0-0 1-0-0 3-1-8 Plate Offsets (X,Y)--[1:Edge,0-1-8], [15:0-1-8,Edge], [16:0-1-8,Edge] LOADING (psf) SPACING-CSI. DEFL. **PLATES** GRIP 2-0-0 in (loc) I/defl I/d TCLL 40.0 Plate Grip DOL 1.00 TC 0.84 Vert(LL) -0.37480 244/190 31 >707 MT20 TCDL 10.0 Lumber DOL 1.00 BC 0.91 Vert(CT) -0.5031 >516 360 **BCLL** 0.0 Rep Stress Incr NO WB 0.83 Horz(CT) 0.06 24 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-S Weight: 159 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP 2400F 2.0E(flat) *Except*

1-8: 2x4 SP No.1(flat)

BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except*

19-27: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 36=1070/0-3-8, 19=324/0-3-8, 24=2057/0-3-8

Max Grav 36=1079(LC 10), 19=538(LC 4), 24=2057(LC 1)

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

TOP CHORD 1-36=-1073/0, 18-19=-539/0, 1-2=-1108/0, 2-3=-2769/0, 3-4=-3881/0, 4-5=-3881/0, 5-6=-4358/0, 6-7=-4349/0, 7-9=-4059/0, 9-10=-3126/0, 10-11=-3126/0, 11-12=-1553/0,

12-13=0/776, 13-14=0/1572, 14-15=0/1572, 15-16=-397/783, 16-17=-359/160,

17-18=-359/160

BOT CHORD 34-35=0/2091, 33-34=0/3419, 32-33=0/4240, 31-32=0/4349, 30-31=0/4349, 29-30=0/4349,

28-29=0/3678, 26-28=0/2429, 25-26=0/648, 24-25=-2079/0, 23-24=-2079/0,

22-23=-783/397 21-22=-783/397 20-21=-783/397

WFBS 6-31=-402/159, 7-30=-136/434, 15-22=0/298, 16-21=-257/0, 13-24=-1970/0,

1-35=0/1431, 2-35=-1367/0, 2-34=0/943, 3-34=-904/0, 3-33=0/629, 5-33=-488/0, 5-32=-70/381, 6-32=-403/387, 13-25=0/1735, 12-25=-1656/0, 12-26=0/1281, 11-26=-1240/0, 11-28=0/969, 9-28=-768/0, 9-29=0/666, 7-29=-839/0, 13-23=0/855,

15-23=-1287/0, 18-20=-216/441, 17-20=-341/0, 16-20=-49/799

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) 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.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 19-36=-10, 1-18=-100

Concentrated Loads (lb)

Vert: 18=-200



May 1,2019



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 in-jury 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 fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

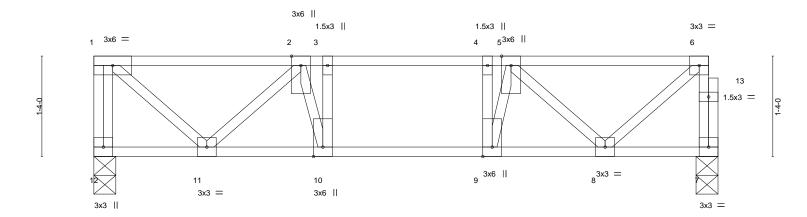


Job Truss Truss Type Lamco Custom Homes Qty E12988364 Jackson_FL F4 Floor Job Reference (optional) Builders FirstSource. Albemarle, NC 28001

8.220 s Nov 16 2018 MITek Industries, Inc. Wed May 1 09:20:07 2019 Page 1 ID:TzqElgM?vNsmlViTkhYcdxyrx_7-?JQfRW9oB_43u0?M0sJese5V52OLW72uFVn8MDzKvlc

1-3-0 2-0-0 0-3-8 0-3-0 0₁1-8

Scale = 1:15.3



	3-2-0 3-2-0								3-1-8					
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/1	2-0-0 1.00 1.00 YES TPI2014	1	0.38 0.27 0.24 -S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.03 0.01	(loc) 10 10 7	I/defI >999 >999 n/a	L/d 480 360 n/a		PLATES MT20 Weight: 47 lb	GRIP 244/190 FT = 20%F, 11%E		

LUMBER-**BRACING-**

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

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. (lb/size) 12=442/0-3-8, 7=436/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-12=-436/0, 6-7=-430/0, 1-2=-378/0, 2-3=-709/0, 3-4=-709/0, 4-5=-709/0, 5-6=-379/0

BOT CHORD 10-11=0/705, 9-10=0/709, 8-9=0/703

 $3-10=-262/109,\ 4-9=-289/116,\ 1-11=0/503,\ 2-11=-455/0,\ 2-10=-126/324,\ 6-8=0/484,\ 5-8=-452/0,\ 5-9=-131/349$ **WEBS**

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) 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.
- 3) CAUTION, Do not erect truss backwards.





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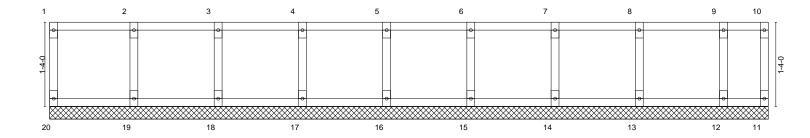
Job	Truss	Truss Type	Qty	Ply	Lamco Custom Homes	٦
					E12988365	
Jackson_FL	F5E	Floor Supported Gable	1	1		
					Inh Reference (ontional)	

Builders FirstSource.

Albemarle, NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:08 2019 Page 1 $ID: TzqElgM?vNsmIViTkhYcdxyrx_7-TV_1esAQyHCwW9aYZaqtPrekYRodFdX1U9XhufzKvlb$

Scale = 1:18.2



	11-4-8 11-4-8											
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 0.03 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (n/a n/a 0.00	(loc) - - 11	I/defI n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 50 lb	GRIP 244/190 FT = 20%F, 11%E			

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.3(flat) **OTHERS** 2x4 SP No.3(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. All bearings 11-4-8.

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

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

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 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.





WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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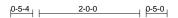
Job	Truss	Truss Type	Qty	Ply	Lamco Custom Homes
					E12988366
Jackson_FL	F6	FLOOR	2	1	
					Job Reference (optional)

Builders FirstSource.

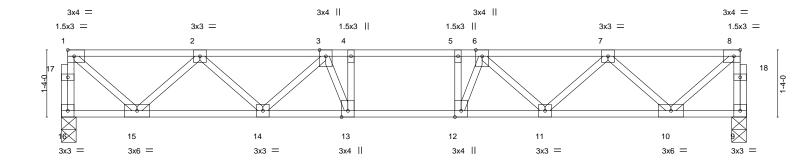
Albemarle , NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:09 2019 Page 1 $ID: TzqElgM?vNsmIViTkhYcdxyrx_7-xiYPsCB2jbKm8J9k7HM6x3Bpwr_7_TBipGFQ5zKvlandsystem (Control of the Control of$





0-1-8 Scale = 1:22.9



13-7-4 13-7-4 Plate Offsets (X,Y)--[8:0-1-8,Edge] LOADING (psf) SPACING-CSI. DEFL. **PLATES** GRIP 2-0-0 in (loc) I/defI I/d TCLL 40.0 Plate Grip DOL 1.00 TC 0.49 Vert(LL) -0.09 13-14 >999 480 244/190 MT20 BC 0.64 >999 360 TCDL 10.0 Lumber DOL 1.00 Vert(CT) -0.12 13-14 BCLL 0.0 Rep Stress Incr YES WB 0.44 Horz(CT) 0.03 9 n/a n/a BCDL 5.0 Code IRC2015/TPI2014 Matrix-S Weight: 72 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat)

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. (lb/size) 16=728/0-3-8, 9=728/0-3-8

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

 $1-16 = -724/0,\ 8-9 = -724/0,\ 1-2 = -712/0,\ 2-3 = -1648/0,\ 3-4 = -1997/0,\ 4-5 = -1997/0,\ 5-6 = -1997/0,\ 6-7 = -1648/0,\ 3-4 = -1997/0,\ 4-5 = -1997/0,\ 5-6 = -1997/0,\ 6-7 = -1648/0,\ 3-4 = -1997/0,\ 4-5 = -1997/0,\ 5-6 = -1997/0,\ 6-7 = -1648/0,\ 3-4 = -1997/0,\ 4-5 = -1997/0,\ 5-6 = -1997/0,\ 6-7 = -1648/0,\ 3-4 = -1997/0,\ 5-6 = -1997/0,\ 5-6 = -1997/0,\ 6-7 = -1648/0,\ 3-4 = -1997/0,\ 5-6 = -1997/0,\ 5-7 = -1997/0,$ TOP CHORD

7-8=-712/0

BOT CHORD 14-15=0/1333, 13-14=0/1940, 12-13=0/1997, 11-12=0/1940, 10-11=0/1333

WEBS $4-13=-352/68,\, 5-12=-363/72,\, 1-15=0/917,\, 2-15=-863/0,\, 2-14=0/438,\, 3-14=-406/0,\, 3-13=-121/467,\, 8-10=0/917,\, 1-12=0/$

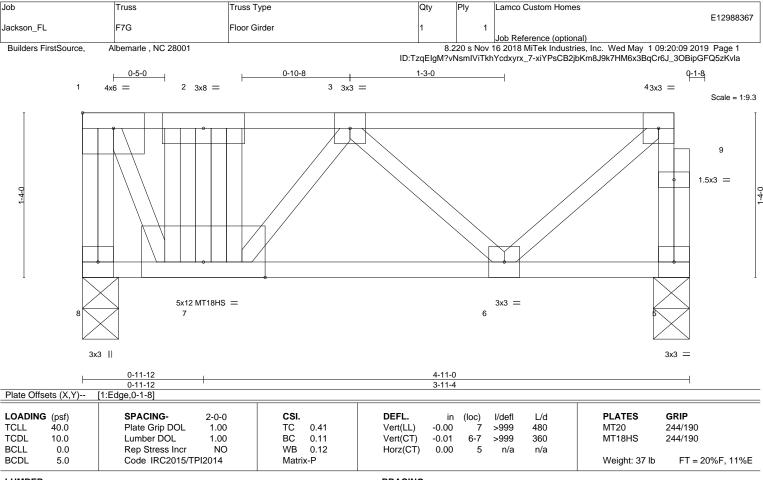
7-10=-863/0, 7-11=0/438, 6-11=-407/0, 6-12=-124/477

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 or 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.







LUMBER-

TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 2x4 SP No.2(flat)

2x4 SP No.3(flat) **WEBS**

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins,

except end verticals.

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

REACTIONS. (lb/size) 8=257/0-3-8, 5=250/0-3-8

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

TOP CHORD 1-8=-256/0 **BOT CHORD** 6-7=0/291 **WEBS** 1-7=0/255

NOTES-

- 1) All plates are MT20 plates unless otherwise indicated.
- 2) 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.
- 3) CAUTION, Do not erect truss backwards.



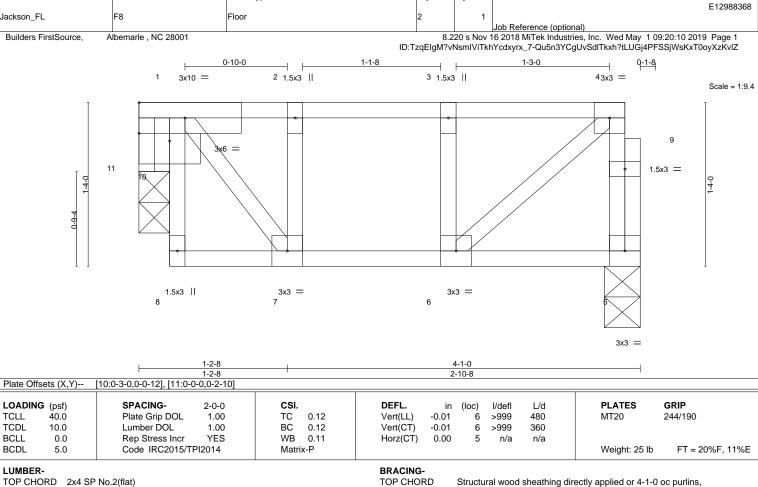
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





BOT CHORD

Qty

Lamco Custom Homes

except end verticals.

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

TOP CHORD

Job

Truss

2x4 SP No.2(flat)

Truss Type

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

OTHERS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 5=201/0-3-8, 11=194/0-3-0

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

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 3) 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.
- 4) CAUTION, Do not erect truss backwards.





Job Truss Truss Type Qty Lamco Custom Homes E12988369 Jackson_FL F9G Floor Job Reference (optional)

Builders FirstSource.

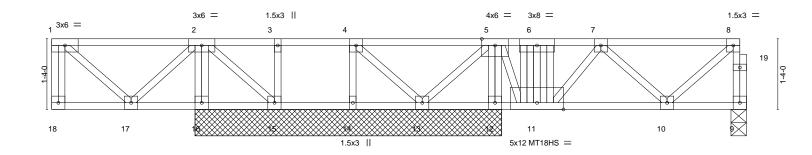
Albemarle, NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:11 2019 Page 1 ID:TzqElgM?vNsmlViTkhYcdxyrx_7-u4f9HuClFCaUNdJ7FiOa0UG8Sfo9SxtTA7lLV_zKvlY





0-1-8 Scale = 1:21.8



	2-8-8 2-8-8	2-10 ₀ 0 0-1-8		9-2-0 6-4-0			-		13-1-8 3-11-8	
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/TPI	2-0-0 1.00 1.00 NO 2014	CSI. TC 0.55 BC 0.09 WB 0.25 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.00 11 -0.00 10-11 -0.00 12	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 MT18HS Weight: 84 lb	GRIP 244/190 244/190 FT = 20%F, 11%E

BOT CHORD

LUMBER-**BRACING-**TOP CHORD

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

All bearings 5-9-8 except (jt=length) 9=0-3-8.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) 13 except 15=-364(LC 5) Max Grav All reactions 250 lb or less at joint(s) 9, 13 except 12=397(LC 4), 16=935(LC 3), 14=327(LC 3)

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

TOP CHORD 1-2=0/315

BOT CHORD 16-17=-630/0, 15-16=-629/0

WEBS 5-12=-385/0, 2-16=-909/0, 1-17=-419/0, 2-17=0/425, 2-15=0/525, 4-14=-312/0,

7-11=-284/0, 5-11=0/269

NOTES-

REACTIONS.

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x3 MT20 unless otherwise indicated.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 15 = 364
- 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.

LOAD CASE(S) Standard

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

Vert: 9-18=-10, 1-8=-100

Concentrated Loads (lb) Vert: 1=-160

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.

May 1,2019





Design valid for use only with MTI-sky 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/TPI Quality Criteria, DSB-89 and BCSI Building Component
Safety Information, available from Truse Plate petitive 218 N. Lea Street, Site 312, Alexandria, VA. 22314. fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qua Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty _amco Custom Homes E12988370 Jackson_FL F10 Floor Job Reference (optional)

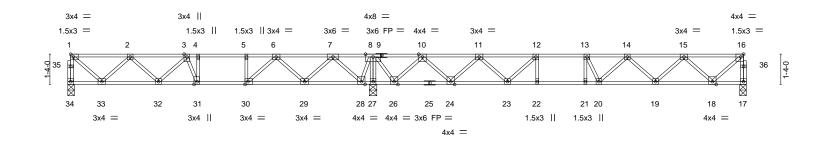
Builders FirstSource. Albemarle, NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:03 2019 Page 1 ID:TzqElgM?vNsmlViTkhYcdxyrx_7-7YA8b96H7IZdQOian0Fiioxg?QrJaESIKtpwDRzKvlg

23-5-0

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied or 2-2-0 oc bracing.





1-6-0 4-	0-0 ₁ 5-8-4 5-9 _{[1} 2	7-9-12 9-2-4	11-8-4	13-4-0 14-4-10	16-10-10	19-4-10	20-9-2	21-9-2 22-9-2	25-11-0 28-5-	0 29-11-0
1-6-0 2-	6-0 1-8-4 0-1-8	1-0-0 1-4-8	2-6-0	1-7-12 0-1-8	2-6-0	2-6-0	1-4-8	1-0-0 1-0-0	2-6-0 2-6-0	0 1-6-0
	1-0-0			0-11-2				0-7-14	4	
Plate Offsets (X,Y)	[16:0-1-8,Edge], [30:0-1-	-8,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc) I/d	efl L/d	PLATES	GRIP
ГСLL 40.Ó	Plate Grip DOL	1.00	TC	0.96	Vert(LL)	-0.15	21 >9	99 480	MT20	244/190
CDL 10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.21	21 >9	39 360		
BCLL 0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	17 ı	n/a n/a		
3CDL 5.0	Code IRC2015/T	DI2014	Matri	v e	` '				Weight: 156 lb	FT = 20%F, 11%

BRACING-

TOP CHORD

BOT CHORD

13-5-8

LUMBER-

TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat) *Except* **BOT CHORD**

17-25: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

(lb/size) 34=572/0-3-8, 17=765/0-3-8, 27=1914/0-4-0 REACTIONS.

Max Grav 34=645(LC 3), 17=798(LC 4), 27=1914(LC 1)

6-9-12

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

TOP CHORD 1-34=-638/0, 16-17=-793/0, 1-2=-615/0, 2-3=-1389/0, 3-4=-1531/103, 4-5=-1531/103,

5-6=-1531/103, 6-7=-678/615, 7-8=0/1427, 8-10=0/1031, 10-11=-984/167, 11-12=-1965/0, 12-13=-2376/0, 13-14=-2369/0, 14-15=-1872/0, 15-16=-790/0

BOT CHORD 32-33=0/1154, 31-32=0/1570, 30-31=-103/1531, 29-30=-378/1172, 28-29=-850/179,

27-28=-1720/0, 26-27=-1711/0, 24-26=-398/333, 23-24=0/1599, 22-23=0/2376,

21-22=0/2376, 20-21=0/2376, 19-20=0/2240, 18-19=0/1481

WEBS 4-31=-25/323, 5-30=-377/0, 12-22=-14/256, 13-21=-381/62, 8-27=-1839/0, 1-33=0/791,

2-33=-749/0, 2-32=-20/328, 3-32=-251/112, 3-31=-497/0, 6-30=0/781, 6-29=-808/0, 7-29=0/791, 7-28=-1127/0, 8-28=0/839, 12-23=-736/0, 11-23=0/566, 11-24=-904/0, 10-24=0/958, 10-26=-1306/0, 8-26=0/1122, 16-18=0/1018, 15-18=-961/0, 15-19=0/544,

14-19=-511/0, 14-20=-25/255, 13-20=-218/340

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) 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.
- 4) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	Lamco Custom Homes	٦
					E12988371	
Jackson_FL	F11E	Floor Supported Gable	1	1		
					Joh Reference (ontional)	

Builders FirstSource.

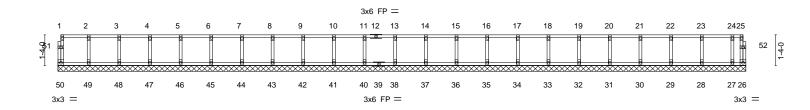
0-1_8

Albemarle, NC 28001

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed May 1 09:20:04 2019 Page 1 $ID: TzqElgM?vNsmlViTkhYcdxyrx_7-bkkWpV7vu3hU1YHnKkmxE?U3ZqQcJpYRZXZUluzKvlf$

0-1_H8

Scale = 1:50.1



	29-11-0										
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 0.08 BC 0.02 WB 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 26	n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190			
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R	11012(01)	0.00 20	, 11/a	11/4	Weight: 130 lb	FT = 20%F, 11%E			

LUMBER-**BRACING-**

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

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

except end verticals.

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

REACTIONS. All bearings 29-11-0.

35, 34, 33, 32, 31, 30, 29, 28, 27

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) 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.



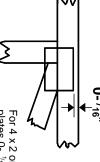


Symbols

PLATE LOCATION AND ORIENTATION



offsets are indicated. Center plate on joint unless x, y and fully embed teeth Apply plates to both sides of truss Dimensions are in ft-in-sixteenths.



plates 0- 1/16" from outside For 4 x 2 orientation, locate edge of truss.

connector plates. required direction of slots in This symbol indicates the

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

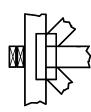
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



by text in the bracing section of the output. Use T or I bracing if indicated. Indicated by symbol shown and/or

BEARING



Min size shown is for crushing only number where bearings occur. reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

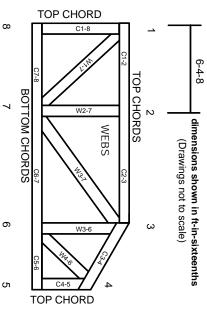
Industry Standards:

National Design Specification for Metal

DSB-89: ANSI/TPI1:

Guide to Good Practice for Handling **Building Component Safety Information** Design Standard for Bracing. Connected Wood Trusses. Installing & Bracing of Metal Plate Plate Connected Wood Truss Construction.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

truss unless otherwise shown. Trusses are designed for wind loads in the plane of the

established by others. section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Ņ Truss bracing must be designed by an engineer. For bracing should be considered may require bracing, or alternative Tor I wide truss spacing, individual lateral braces themselves
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- designer, erection supervisor, property owner and all other interested parties. Provide copies of this truss design to the building
- Cut members to bear tightly against each other

Ģ

- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

œ

- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that
- Top chords must be sheathed or purlins provided at spacing indicated on design
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer
- 17. Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- 19. Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.