

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

1854243 - HARTLEY - COREY RES.

MiTek USA, Inc.

6904 Parke East Blvd. Tampa, FL 33610-4115

Site Information:

Customer Info: Hartley Brothers Project Name: Corey Res. Model: Custom

Lot/Block: N/A

Subdivision: N/A

Address: 3280 Elim Church Rd, N/A

City: Columbia Cty

State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name:

License #:

Address: City:

State:

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

Design Code: FBC2017/TPI2014

Wind Code: ASCE 7-10 Roof Load: 37.0 psf

Design Program: MiTek 20/20 8.2

Wind Speed: 130 mph Floor Load: N/A psf

This package includes 64 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No. Seal# Truss Name 1 T17699044 CJ01 2 T17699045 CJ01A 3 T17699046 CJ01B 4 T17699047 CJ02 5 T17699048 CJ02A	Date 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19	No. 23 24 25 26 27	Seal# T17699066 T17699067 T17699068 T17699070	Truss Name PB02 PB03 T01 T02 T03	Date 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19
6 T17699049 CJ02B 7 T17699050 CJ02C 8 T17699051 CJ03C 9 T17699052 CJ03A 10 T17699053 CJ03B 11 T17699054 CJ04A 12 T17699055 CJ04B 13 T17699056 CJ05 14 T17699057 CJ05B 15 T17699058 EJ01 16 T17699069 EJ02 17 T17699060 EJ03 18 T17699061 HJ06 19 T17699061 HJ06 19 T17699063 HJ08 21 T17699064 HJ09 22 T17699065 PB01	7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19	229 301 333 356 378 390 412 444 444	T17699070 T17699071 T17699073 T17699075 T17699076 T17699077 T17699079 T17699080 T17699081 T17699083 T17699084 T17699086 T17699086 T17699086 T17699086	T03 T04 T05 T06 T07 T08 T09 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20	7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2021.

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



Thomas A. Albani PE No.39380 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

Jul, 25,2019



RE: 1854243 - HARTLEY - COREY RES.

MiTek USA, Inc.

6904 Parke East Blvd. Tampa, FL 33610-4115

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Site Information:

Customer Info: Hartley Brothers Project Name: Corey Res. Model: Custom

Lot/Block: N/A Address: 3280 Elim Church Rd, N/A Subdivision: N/A

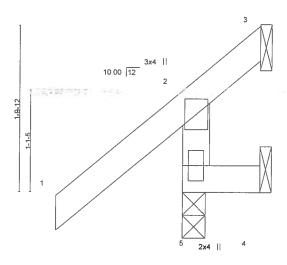
City: Columbia Cty

State: FL

No. 45 46 47 48 49	Seal# T17699088 T17699089 T17699090 T17699091 T17699092	Truss Name T21 T22 T23 T24 T25	Date 7/25/19 7/25/19 7/25/19 7/25/19
551234556789012345566666666666666666666666666666666666	T17699093 T17699094 T17699095 T17699096 T17699098 T17699099 T17699100 T17699101 T17699103 T17699104 T17699105 T17699105 T17699106 T17699107	T26 T27 T28 T29 T30 T31 T32G T33 T33G T34 V01 V02 V03 V04 V05	7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19 7/25/19

Builders FirstSource, Jacksonville, FL - 32244.

Scale 1"=1"



0-10-2 0-10-2

except end verticals.

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (lb/size) 5=198/0-3-0, 3=53/Mechanical, 4=13/Mechanical

Max Horz 5=66(LC 12) Max Uplift 5=-60(LC 12), 3=-53(LC 1), 4=-28(LC 9)

Max Grav 5=198(LC 1), 3=23(LC 16), 4=24(LC 10)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4,



Structural wood sheathing directly applied or 0-10-2 oc purlins,

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

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd, Tampa FL 33610 Date:

July 25,2019

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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP1 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 Ply HARTLEY - COREY RES T17699045 1854243 CJ01A Jack-Open 1 Job Reference (optional) Builders FirstSource. Jacksonville, FL - 32244, 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 42 58 2019 Page 1 ID C0mABbmGidkrSLODgHTkINztW50-MZgt_dKgeYnrbrhXnsAT7_ZRb?bmwO2?SLg6?hyuUyx 1-4-0 Scale = 1:9.6 6 00 12 0-7-9 3x6 = LOADING (psf) SPACING-2-0-0 CSI DEFL. I/defi **PLATES** GRIP TC BC **TCLL** 20.0 Plate Grip DOI 1.25 0.13 Vert(LL) 0.00 >999 240 MT20 244/190 7.0 TCDL Lumber DOL 1.25 0.01 Vert(CT) 0.00 >999 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 n/a n/a BCDL Code FBC2017/TPI2014 10.0 Matrix-MP Weight: 8 lb FT = 20% LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 1-5-4 oc purlins. BOT CHORD 2x6 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 3=20/Mechanical 2=158/0-3-8 4=-1/Mechanical

Max Horz 2=62(LC 12)

Max Uplift 3=-22(LC 12), 2=-77(LC 12), 4=-12(LC 9) Max Grav 3=20(LC 1), 2=158(LC 1), 4=23(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10, Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4,



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

July 25,2019

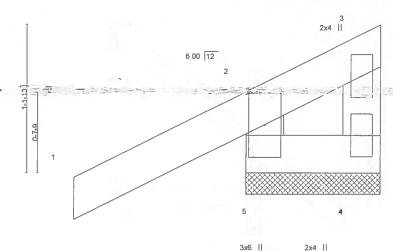
🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev., 10/03/2015 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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 properly damage. For general guidance regarding the tabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TP1 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	Ply	HARTLEY - COREY RES	
1854243	CJ01B	Jack-Open Supported Gable	1	1		T17699046
				نا سال	Job Reference (optional)	
Builders FirstSource	Jacksonville, FL - 32244,			8.240 s J	lun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 4	2:59 2019 Page 1
			ID C0mAE	BbmGidkrSL	ODgHTkINztW50-qlEFBzLIPsviC?GjLahifC6cfOxv	vfrl8h?PfY7yuUyw
		-1-4-0	1	1-0-9		(4)
		1-4-0	1	1-0-9		

Scale = 1:8.6



LOADIN	G (psf)	SPACING-	2-0-0	CSI.			DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18		Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02		Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	7	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TF	PI2014	Matri	x-R							Weight: 7 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS

2x4 SP No.3

(lb/size) 5=186/1-0-9, 4=-51/1-0-9

Max Horz 5=49(LC 12)

Max Uplift 5=-95(LC 12), 4=-51(LC 1)

Max Grav 5=186(LC 1), 4=29(LC 16)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 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 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.



Structural wood sheathing directly applied or 1-0-9 oc purlins,

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

except end verticals.

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-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 Design Value of use only within minew comments. This designs must verify the applicability of design parameters and properly incorporate this design into the overall building design a frust system. Before use, the building designs 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

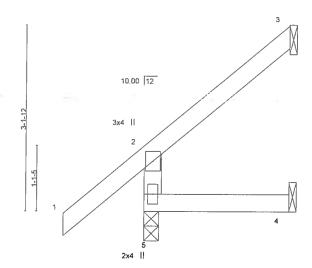
ABSITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Dob	Truss	Truss Type	Qty	Ply	HARTLEY - COREY RES	T17699047
1854243	CJ02	Jack-Open	1	1	Job Reference (optional)	
Builders FirstSource,	Jacksonville, FL - 32244,	8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 00 2019 Page 1				
ID COmABbmGidkrSLODgHTklNztW50-tynePJLwA91Zo9rvyHDxCPfkB0FK0IYHwf9D4ZvuLlvy	10 COmABbmGidkrSLODgHTklNztW50-tynePJLwA91Zo9rvyHDxCPfkB0					

ID C0mABbmGidkrSLODgHTklNztW50-lynePJLwA91Zq9rvvHDxCPfkBoFKOlYHwf9D4ZyuUyv

Scale = 1 18.9



2-5-5 2-5-5

BRACING-

TOP CHORD

BOT CHORD

LOADING (psf) SPACIN TCLL 20.0 Plate 6 TCDL 7.0 Lumber BCLL 0.0 Rep Str BCDL 10.0 Code F	2-0-0 CSI. 1.25 TC 0.32 1.25 BC 0.13 YES WB 0.00 TPI2014 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) 0.00 4-5 >999 240 Vert(CT) -0.00 4-5 >999 180 Horz(CT) -0.01 3 n/a n/a	PLATES GRIP MT20 244/190 Weight 12 lb FT = 20%
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LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (lb/size) 5=193/0-3-0, 3=39/Mechanical, 4=16/Mechanical

Max Horz 5=129(LC 12)

Max Uplift 5=-29(LC 12), 3=-79(LC 12), 4=-19(LC 12) Max Grav 5=193(LC 1), 3=58(LC 19), 4=40(LC 3)

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

NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4



Structural wood sheathing directly applied or 2-5-5 oc purlins,

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

except end verticals

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019



Job Truss Truss Type Qty Ply HARTLEY - COREY RES T17699048 1854243 CJ02A Jack-Open Job Reference (optional) Builders FirstSource Jacksonville, FL - 32244, 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 00 2019 Page 1 ID C0mABbmGidkrSLODgHTklNztW50-lynePJLwA91Zq9rvvHDxCPfmZoHjOlYHwf9D4ZyuUyv 1-4-8 Scale = 1:13 4 8 00 12 44 2 1-7-11 0-10-9 2x4 1-9-9 1-9-9 LOADING (psf) SPACING. 2-0-0 CSL DEFL. I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.23 Vert(LL) 0.00 >999 240 MT20 244/190 TCDL 7.0 BC Lumber DOL 1 25 0.05 Vert(CT) -0.00 5 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a Code FBC2017/TPI2014 **BCDL** 10.0 Matrix-MR Weight: 9 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 1-9-9 oc purlins,

BOT CHORD 2x4 SP No.2 2x4 SP No.3 WEBS

except end verticals

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

REACTIONS.

(lb/size) 5=181/0-3-0, 3=17/Mechanical, 4=6/Mechanical

Max Horz 5=84(LC 12)

Max Uplift 5=-62(LC 12), 3=-39(LC 12), 4=-6(LC 12) Max Grav 5=181(LC 1), 3=28(LC 19), 4=28(LC 3)

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date

July 25,2019

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Job Truss Truss Type HARTLEY - COREY RES Qty Ply T17699049 1854243 CJ02B Jack-Open Job Reference (optional) Builders FirstSource, Jacksonville, FL - 32244 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 01 2019 Page 1 ID_C0mABbmGidkrSLODgHTklNztW50-m8L0cfMYxT9QSJQ6S?kAkdByrCdQ7loR8Jumc0yuUyu 1-6-12 1-6-12 1-4-0 1-4-0 Scale = 1.9.9 6.00 12 0-7-9 3x6 = LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.13 Vert(LL) 0.00 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.02 Vert(CT) -0.00 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MP Weight 9 lb FT = 20% LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 1-6-12 oc purlins.

BOT CHORD

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

BOT CHORD 2x6 SP No.2

(lb/size) 3=24/Mechanical, 2=160/0-3-8, 4=3/Mechanical

Max Horz 2=65(LC 12)

Max Uplift 3=-25(LC 12), 2=-77(LC 12)

Max Grav 3=24(LC 1), 2=160(LC 1), 4=26(LC 3)

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

NOTES-

REACTIONS.

- 1) Wind; ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2



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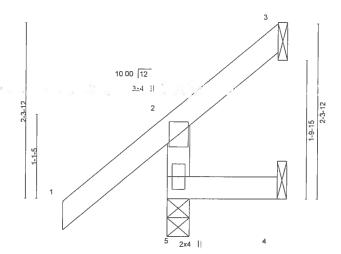
July 25,2019

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Job	Truss	Truss Type	Q	lty	Ply	HARTLEY - COREY RES	
1854243	CJ02C	JACK-OPEN	1		1		T17699050
						Job Reference (optional)	
Builders FirstSource	Jacksonville, FL - 32244				8 240 s Ju	n 8 2019 MiTek Industries, Inc.	Thu Jul 25 14 43:01 2019 Page 1

8 240 s Jun 8 2019 MiTek Industries, Inc Thu Jul 25 14 43:01 2019 Page 1 ID:COmABbmGidkrSLODgHTkINztW50-m8L0cfMYxT9QSJQ6S?kAkdBwMCcS7loR8Jumc0yuUyu1-5-6



1-5-14 1-5-14

LOADING (psf) SPACING- TCLL 20.0 Plate Grip DOL TCDL 7.0 Lumber DOL BCLL 0.0 * Rep Stress Incr BCDL 10.0 Code FBC2017/TP12	2-0-0 1.25 1.25 YES 2014	CSI. TC BC WB Matri	0.29 0.08 0.00 x-MR	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 -0.00 -0.00	(loc) 5 5 3	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight 9 lb	GRIP 244 /190 FT = 20%	
--	--------------------------------------	---------------------------------	------------------------------	---	-------------------------------	----------------------	-------------------------------	--------------------------	-------------------------------	--------------------------------	--

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 BRACING-

TOP CHORD Structural w

Structural wood sheathing directly applied or 1-5-14 oc purlins,

except end verticals

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

REACTIONS.

(lb/size) 5=178/0-3-8, 3=-1/Mechanical, 4=0/Mechanical

Max Horz 5=90(LC 12)

Max Uplift 5=-39(LC 12), 3=-36(LC 12), 4=-19(LC 12) Max Grav 5=178(LC 1), 3=21(LC 10), 4=24(LC 10)

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

NOTES-

- Wind: ASCE 7-10, Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

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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 trucs system. Before use, the building designer must verify the applicability of designs 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 systems, see ANSITPH 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 HARTLEY - COREY RES Qty Ply T17699051 1854243 C103 Jack-Open Job Reference (optional) Builders FirstSource Jacksonville, FL - 32244 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 02 2019 Page 1 ID C0mABbmGidkrSLODgHTkINztW50-EKvOq?NAinHH3T?I0iFPHqk65cyMsC2aNzeJ8SyuUyt 2-10-13 2-10-13 -1-4-8 Scale = 1:17.1

8.00 12 3x4 || 2-4-9 0-10-9 Ш 2x4

2-10-13 2-10-13 LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defi L/dTCLL 20.0 Plate Grip DOL 1.25 TC 0.23 Vert(LL) -0.00 >999 240 4-5 TCDL 7.0 Lumber DOL 1.25 вс 0.10 Vert(CT) -0.01 4-5 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00

Matrix-MR

PLATES GRIP 244/190 MT20

> Weight: 13 lb FT = 20%

LUMBER-

BCDI

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3 WEBS

10.0

BRACING-

Horz(CT)

TOP CHORD

Structural wood sheathing directly applied or 2-10-13 oc purlins,

n/a

except end verticals.

0.01

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

n/a

REACTIONS.

5=205/0-3-0, 3=54/Mechanical, 4=23/Mechanical (lb/size)

Max Horz 5=119(LC 12)

Max Uplift 5=-60(LC 12), 3=-75(LC 12), 4=-8(LC 12) Max Grav 5=205(LC 1), 3=69(LC 19), 4=49(LC 3)

Code FBC2017/TPI2014

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4,2psf; BCDL=3,0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone, end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1,60 plate grip DOL=1,60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.



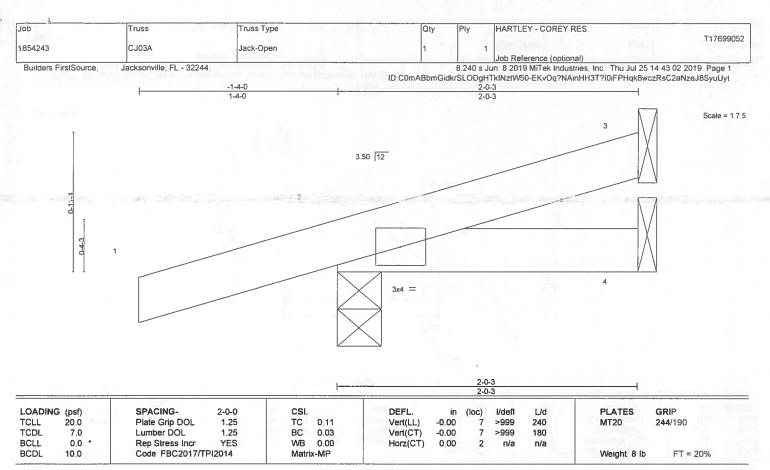
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

📤 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev., 10/03/2015 BEFORE USE Design valid for use only with MTTeN® 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 apprehty incorporate this design into the overall building designer must verify the applicability of design parameters and apprehty incorporate this design into the overall building design Bracting 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 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

ANSUTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 2-0-3 oc purlins.

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

REACTIONS.

3=32/Mechanical, 2=169/0-3-8, 4=16/Mechanical (lb/size)

Max Horz 2=53(LC 8)

Max Uplift 3=-23(LC 8), 2=-154(LC 8), 4=-15(LC 9) Max Grav 3=32(LC 1), 2=169(LC 1), 4=29(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4,2psf; BCDL=3,0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb)



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ANS/IPP1 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 HARTLEY - COREY RES Ply T17699053 1854243 CJ03B JACK-OPEN | Job Reference (optional) | 8.240 s Jun | 8.2019 MiTek Industries, Inc | Thu Jul 25 14 43 03 2019 Page 1 Builders FirstSource Jacksonville, FL - 32244, ID_C0mABbmGidkrSLODgHTklNztW50-iXTm1LOoS4P8hcaUaPmeq2HFP0HmbfHkcdNthuyuUys Scale = 1:19.7 10.00 12 6 10-7 2 3x4 LOADING (psf) SPACING-2-0-0 DEFL. in (loc) l/defl L/d PLATES GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.32 Vert(LL) 0.01 >999 240 244/190 MT20 TCDL 70 Lumber DOL 1.25 BC 0.15 Vert(CT) -0.01 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.01 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MR Weight: 13 lb FT = 20%LUMBER-**BRACING-**Structural wood sheathing directly applied or 2-7-13 oc purlins, TOP CHORD

BOT CHORD

except end verticals.

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

REACTIONS.

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2

2x4 SP No.3 WEBS

(lb/size) 5=198/0-3-8, 3=46/Mechanical, 4=19/Mechanical

Max Horz 5=137(LC 12)

Max Uplift 5=-28(LC 12), 3=-87(LC 12), 4=-19(LC 12) Max Grav 5=198(LC 1), 3=66(LC 19), 4=44(LC 3)

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.



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Job Truss Qty Truss Type Ply HARTLEY - COREY RES T17699054 1854243 CJ04A Jack-Open Job Reference (optional) Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jun 8 2019 MiTek Industries, Inc Thu Jul 25 14 43 04 2019 Page 1 ID:C0mABbmGidkrSLODgHTkINztW50-Aj18FhPQDOX_Jm9h87HtMFpSbPbkK6XtrH7QDKyuUyr 2-3-0 Scale = 1:18.4 8 00 12 2-0-15 3x4 II 2 3x4 || 0-10-9 2x4 || 2x4 LOADING (psf) SPACING-CSI. DEFL. in PLATES I/defl L/d GRIP (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.23 Vert(LL) 0.01 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.23 Vert(CT) -0.01 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 5 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MR Weight: 18 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 3-3-9 oc purlins, except end verticals

BOT CHORD

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

2x4 SP No.2 *Except* **BOT CHORD**

6-7: 2x4 SP No.3

WERS REACTIONS. 2x4 SP No.3

(lb/size) 8=233/0-3-0, 4=58/Mechanical, 5=48/Mechanical

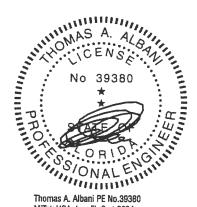
Max Horz 8=131(LC 12)

Max Uplift 8=-55(LC 12), 4=-61(LC 12), 5=-32(LC 12) Max Grav 8=233(LC 1), 4=68(LC 19), 5=76(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) gable end zone and C-C Exterior(2) zone, end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4, 5.



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July 25,2019

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ANS/TPH 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 HARTLEY - COREY RES Truss Type Qty Ply T17699055 1854243 CJ04B JACK-OPEN Job Reference (optional) Builders FirstSource. 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 04 2019 Page 1 Jacksonville, FL - 32244, ID:C0mABbmGidkrSLODgHTkINztW50-Aj18FhPQDOX_Jm9h87HtMFpPoPa6K6XtrH7QDKyuUyr 3-10-3 1-4-8 Scale = 1:24.7 10.00 12 3x4 || П 4x4 3-10-3 LOADING (psf) SPACING-2-0-0 DEFL. CSI. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.41

LUMBER-

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

7.0

10.0

0.0

BRACING-

Vert(LL)

Vert(CT)

Horz(CT)

TOP CHORD

except end verticals.

0.02

-0.02

-0.04

4-5

4-5

>999

>999

n/a

BOT CHORD

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

Structural wood sheathing directly applied or 3-10-3 oc purlins,

240

180

n/a

REACTIONS.

(lb/size) 5=234/0-3-8, 3=81/Mechanical, 4=37/Mechanical

Max Horz 5=185(LC 12)

Max Uplift 5=-24(LC 12), 3=-130(LC 12), 4=-22(LC 12)

Max Grav 5=234(LC 1), 3=107(LC 19), 4=68(LC 3)

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

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

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1,60 plate grip DOL=1,60

ВC

WB 0.00

Matrix-MR

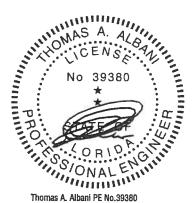
0.27

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.25

YES

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (it=lb) 3=130.



244/190

FT = 20%

MT20

Weight: 17 lb

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July 25,2019

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-1-4-0 4-4-9 1-4-0 4-4-9

Scale = 1 16.9

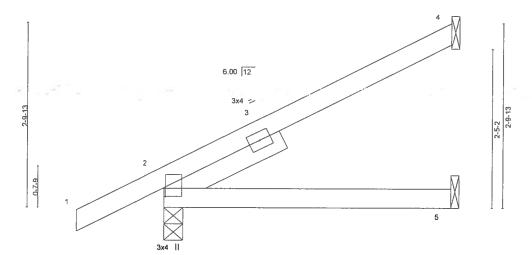


Plate Offsets (X,Y)-[2:0-1-8,0-0-5] LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** GRIP I/defl L/d (loc) **TCLL** 20,0 Plate Grip DOL 1.25 TC 0.23 Vert(LL) 0.03 5-8 >999 240 244/190 MT20 TCDL 7.0 Lumber DOL 1.25 0.22 Vert(CT) -0.03 >999 180 5-8 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.01 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MP Weight 19 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

SLIDER Left 2x4 SP No.3 1-11-8

...

(lb/size) 4=98/Mechanical, 2=243/0-3-8, 5=51/Mechanical

Max Horz 2=133(LC 12)

Max Uplift 4=-91(LC 12), 2=-91(LC 12), 5=-10(LC 12) Max Grav 4=98(LC 1), 2=243(LC 1), 5=74(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft, Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads,
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5,



Structural wood sheathing directly applied or 4-4-9 oc purlins.

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

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

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

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Unb Truss Truss Type Qty Ply HARTLEY - COREY RES T17699057 1854243 CJ05B Jack-Open Job Reference (optional) 8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 05 2019 Page 1 Builders FirstSource, Jacksonville, FL - 32244 $ID. C0mABbmGidkrSLODgHTklNztW50-fvbXS1P3_ifrwwjthqo6vTMe7pxa3Zn13xs_lnyuUyq$ Scale = 1 16 6 6.00 12 1-8-15 4x101MT20H 5 0-0-0-7-9 6 2x4 3x6 || Plate Offsets (X,Y)- [2:0-2-12,0-0-13], [3:0-9-0,0-1-15] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in I/defl L/d **PLATES** GRIP (loc) TCLL 20.0 0.18 Plate Grip DOL 1.25 TC Vert(LL) 0.03 6 >999 240 244/190 MT20 TCDL 7.0 Lumber DOL 1.25 вс 0.19 Vert(CT) -0.03 >999 6 180 MT20HS 187/143 BCLL 0.0 Rep Stress Incr YE\$ WB 0.00 Horz(CT) 0.01 5 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MR Weight: 21 lb FT = 20%LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins.

BOT CHORD

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

2x4 SP No.2 *Except* **BOT CHORD**

3-6: 2x4 SP No.3

SLIDER Left 2x4 SP No.3 2-1-4

REACTIONS. (lb/size) 4=85/Mechanical, 2=241/0-3-8, 5=61/Mechanical

Max Horz 2=129(LC 12)

Max Uplift 4=-74(LC 12), 2=-89(LC 12), 5=-23(LC 12) Max Grav 4=85(LC 1), 2=241(LC 1), 5=72(LC 3)

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.



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July 25,2019

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ANSUTPIT 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 Ply HARTLEY - COREY RES T17699058 1854243 EJ01 Jack-Partia Job Reference (optional) Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 06 2019 Page 1 ID C0mABbmGidkrSLODgHTklNztW50-759vfNQhl?niY4l3FYJLRgvjADB3o01AlbcXHDyuUyp Scale = 1 23 6 6 00 12 0-0-6 2x4 | | 3x6 || 4-8-8 Plate Offsets (X,Y)-[2:0-2-8,0-1-1], [3:0-9-0,0-1-15] LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.54 Vert(LL) 0.19 3-5 >432 240 244/190 MT20 TCDL 7.0 Lumber DOL 1.25 BC 0.63 Vert(CT) -0.24 >352 180 3-5 BCLL 0.0 Rep Stress Incr WB 0.00 YES Horz(CT) 0.10 n/a n/a BCDL 10,0 Code FBC2017/TPI2014 Matrix-MR Weight 30 lb FT = 20% LUMBER-**BRACING-**TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD

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

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

3-6: 2x4 SP No.3

SLIDER Left 2x4 SP No.3 2-1-4

REACTIONS. (lb/size) 4=155/Mechanical, 2=340/0-3-8, 5=97/Mechanical

Max Horz 2=135(LC 12)

Max Uplift 4=-88(LC 12), 2=-58(LC 12), 5=-12(LC 12) Max Grav 4=155(LC 1), 2=340(LC 1), 5=122(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10,0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - COREY R	
1854243	EJ02	Jack-Open	13	1		T17699059
					Job Reference (option	al)
Builders FirstSource,	Jacksonville, FL - 32244,	1-4-8 1-4-8	ID C0mABbm(5-6-0 5-6-0	8 240 s J GidkrSLOD	lun 8 2019 MiTek Indust gHTkINztW50-bljHtiRJW	ries, Inc. Thu Jul 25 14 43 07 2019 Page 1 JyZAEtFpFra_uRvbdbeXTHJXFL4qfyuUyo
	سو تخصر د -	8.0	D 112	//	3	Scale = 1,26
	4-6-8	3x4 2			П	
	ļ d	1 5 4x4 II	5-6-0 5-6-0		4	
LOADING (psf) FCLL 20.0 FCDL 7.0	Lumber DOL 1.	0-0 CSI. 25 TC 0.50 25 BC 0.35			I/defl L/d >990 240 >722 180	PLATES GRIP MT20 244/190

LUMBER-

BCLL

BCDL

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

0.0 *

10.0

BRACING-

Horz(CT)

0.05

3

n/a

TOP CHORD

Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals

Weight 21 lb

FT = 20%

BOT CHORD

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

n/a

REACTIONS.

(lb/size) 5=290/0-3-0, 3=125/Mechanical, 4=59/Mechanical

Max Horz 5=203(LC 12)

Max Uplift 5=70(LC 12), 3=149(LC 12), 4=-13(LC 12) Max Grav 5=290(LC 1), 3=150(LC 19), 4=99(LC 3)

Rep Stress Incr

Code FBC2017/TPI2014

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Enct., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB 0.00

Matrix-MR

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

YES

- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=149.



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Job Truss Truss Type Qty HARTLEY - COREY RES T17699060 1854243 **EJ03** Jack-Open Job Reference (optional) 8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 07 2019 Page 1 Builders FirstSource Jacksonville, FL - 32244 ID COmABbmGidkrSLODgHTklNztW50-bljHtiRJWJvZAEtFpFra_uRwTdaAXTHJXFL4qfyuUyo 5-6-8 5-6-8 Scale = 1:13.3 3.50 12 0-4-3 Plate Offsets (X,Y)-[2:0-0-13,Edge] LOADING (psf) SPACING-CSI. DEFL. (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.45 Vert(LL) 0.13 4-7 >519 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 вс 0.44 Vert(CT) 0.11 >602 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-MP Weight: 19 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 5-6-8 oc purlins

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

REACTIONS. (lb/size) 3=126/Mechanical, 2=283/0-3-8, 4=68/Mechanical

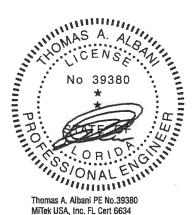
Max Horz 2=103(LC 8)

Max Uplift 3=-103(LC 8), 2=-230(LC 8), 4=-56(LC 8) Max Grav 3=126(LC 1), 2=283(LC 1), 4=96(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=103, 2=230.



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HARTLEY - COREY RES Job Truss Truss Type Qty T17699061 1854243 HJ06 Diagonal Hip Girder Job Reference (optional) 8 240 s Jun 8 2019 MiTek Industries. Inc. Thu Jul 25 14 43 08 2019 Page 1 Builders FirstSource Jacksonville, FL - 32244 ID C0mABbmGidkrSLODgHTklNztW50-3UGf42SxHd1QnOSSNzMpX5_4k0zSGwXTlu5eM6yuUyn

Scale = 1 15 0

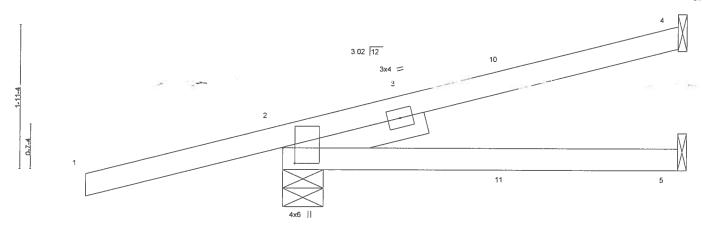


Plate Off	Plate Offsets (X,Y) [2:0-2-8,0-1-15]											
LOADIN TCLL TCDL BCLL	G (psf) 20.0 7.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 NO		0.48 0.25 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.05 -0.05 0.01	(loc) 5-8 5-8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code FBC2017/TF		Matrix		1.012(01)	0.01	2	11/4	11/13	Weight: 23 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

5-3-12

Structural wood sheathing directly applied or 5-3-12 oc purlins.

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

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

SUIDER Left 2x4 SP No.3 1-11-8

(lb/size) 4=178/Mechanical, 2=371/0-6-10, 5=97/Mechanical

Max Horz 2=108(LC 22)

Max Uplift 4=-149(LC 4), 2=-329(LC 4), 5=-87(LC 5) Max Grav 4=178(LC 1), 2=371(LC 1), 5=143(LC 3)

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

TOP CHORD 2-4=-251/97

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4,2psf; BCDL=3,0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) gable end zone; porch left and right exposed, Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10,0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=149, 2=329.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 17 lb up at 1-4-11, and 13 lb down and 13 lb up at 3-0-7, and 73 lb down and 106 lb up at 5-3-0 on top chord, and 7 lb down and 21 lb up at 1-4-11, and 39 lb down and 19 lb up at 3-0-7, and 57 lb down and 75 lb up at 5-3-0 on bottom 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).

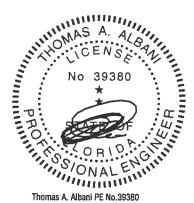
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-54, 5-6=-20

Concentrated Loads (lb)

Vert: 4=-73(F) 5=-48(F) 8=-1(F) 11=8(B)



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July 25,2019

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ANSI/TP1 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 Ply HARTLEY - COREY RES T17699062 1854243 HJ07 Diagonal Hip Girder Job Reference (optional) Jacksonville, FL - 32244. Builders FirstSource 8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 09 2019 Page 1 ID_C0mABbmGidkrSLODgHTklNztW50-Xgq1IOSZ2w9HPX1ewgt23JXCyQEd?Npc_YqBuYyuUym Scale = 1.25 8 6.25 12 3x8 = 0 10 11 12 2x4 LOADING (psf) SPACING-2-0-0 CSL DEFL (loc) I/defl Ľď **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.64 Vert(LL) -0.09 5-6 >790 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.57 Vert(CT) -0.195-6 >394 180 **BCLL** 0.0 Rep Stress Incr NO WB 0.06 Horz(CT) -0.01 3 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MP Weight: 35 lb FT = 20% LUMBER-BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

BOT CHORD

except end verticals

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

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x6 SP No.2 *Except* **WEBS**

2-5: 2x4 SP No.3

(lb/size) 6=364/0-3-14, 3=219/Mechanical, 4=102/Mechanical

Max Horz 6=196(LC 8)

Max Uplift 6=-217(LC 8), 3=-284(LC 8), 4=-58(LC 8) Max Grav 6=368(LC 32), 3=256(LC 32), 4=189(LC 3)

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

TOP CHORD 2-6=-302/188

NOTES-

REACTIONS.

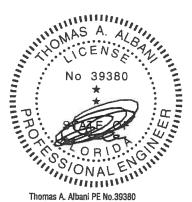
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat, II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=217, 3=284.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 122 lb up at 1-5-3, 119 lb down and 91 lb up at 3-4-2, and 105 lb down and 91 lb up at 3-11-15, and 133 lb down and 164 lb up at 6-5-9 on top chord, and 23 lb down and 54 lb up at 1-5-3, 25 lb down and 15 lb up at 3-4-2, and 26 lb down and 24 lb up at 3-11-15, and 67 lb down and 29 lb up at 6-5-9 on bottom 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert 1-2=-54, 2-3=-54, 4-6=-20 Concentrated Loads (lb)

Vert 3=-83(F) 5=-43(F) 7=31(B) 11=1(F) 12=3(B)



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

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jab Truss Truss Type Qty HARTLEY - COREY RES Ply T17699063 1854243 HJOB Diagonal Hip Girder Job Reference (optional) Builders FirstSource Jacksonville, FL - 32244 8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 10 2019 Page 1 ID_C0mABbmGidkrSLODgHTkINztW50-?tOQVkTBpEH81hcqUOOHcW3O?qfokonmDCatQ_yuUyi 8-0-3 3-9-0 Scale = 1:25.6 5.15 12 3x4 = 10 4x4 = 2 1-0-12 12 13 6 7 4x4 = 5 2x4 -11 8-0-3 0-0-12 3-9-0 4-2-8 Plate Offsets (X,Y)-[2:0-1-0,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** (loc) I/defl GRIP in L/d TCLL 20.0 Plate Grip DOL 1.25 TC 0.56 Vert(LL) >999 -0.02 6-7 240 244/190 MT20 TCDL 7.0 Lumber DOL 1.25 BC 0.25 Vert(CT) -0.03 >999 6-7 180 BCLL 0.0 Rep Stress Incr NO WB 0.14 Horz(CT) -0.00 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MS Weight: 45 lb FT = 20%LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 SP No.2 except end verticals. WEBS 2x4 SP No 3 **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(lb/size) 8=472/0-5-13, 4=138/Mechanical, 5=191/Mechanical

Max Horz 8=200(LC 8)

Max Uplift 8=-252(LC 8), 4=-197(LC 8), 5=-171(LC 8) Max Grav 8=472(LC 1), 4=144(LC 35), 5=222(LC 3)

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

TOP CHORD 2-8=-447/264, 2-3=-308/173 BOT CHORD 6-7=-267/244

BOT CHORD 6-7=-267/244

WEBS 2-7=-221/378, 3-6=-284/311

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf, h=18ft; Cat. II; Exp C; Enci., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=252, 4=197, 5=171.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 67 lb up at 2-11-15, 45 lb down and 81 lb up at 4-1-12, and 105 lb down and 79 lb up at 5-3-15, and 111 lb down and 130 lb up at 7-11-7 on top chord, and 17 lb down and 21 lb up at 2-11-15, 30 lb down and 23 lb up at 4-1-12, and 29 lb down and 26 lb up at 5-3-15, and 46 lb down and 32 lb up at 7-11-7 on bottom 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).

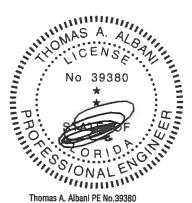
LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=54, 2-4=54, 5-8=20

Concentrated Loads (lb)

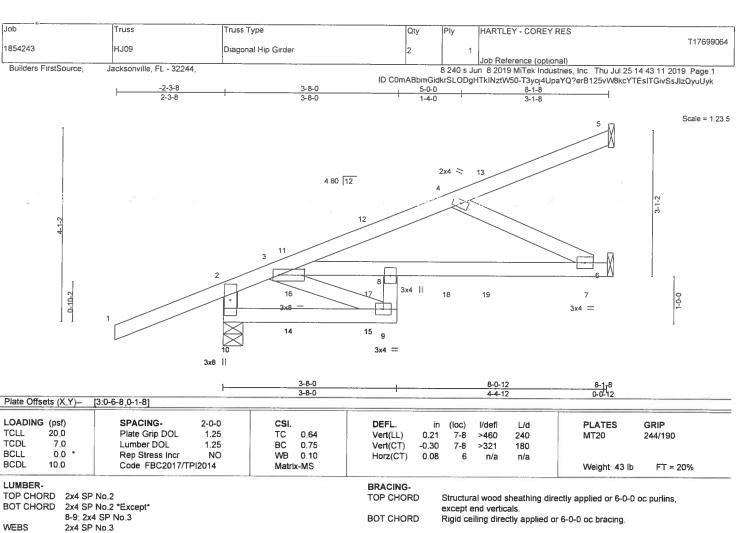
Vert: 4=-41(B) 6=-22(B) 10=-4(F) 12=7(B) 13=-12(F) 14=2(B)



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July 25,2019





REACTIONS. (lb/size) 10=458/0-5-0, 5=57/Mechanical, 6=250/Mechanical

Max Horz 10=185(LC 8)

Max Uplift 10=-243(LC 4), 5=-56(LC 23), 6=-172(LC 8)

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

TOP CHORD 2-10=-428/255, 3-4=-365/191 **BOT CHORD** 3-8=-224/251, 7-8=-288/335

WEBS 4-7=-373/320

NOTES-

- 1) Wind; ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone, end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb)
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 16 lb down and 16 lb up at 1-5-12, 91 lb down and 25 lb up at 3-1-14, and 43 lb down and 66 lb up at 4-9-12, and 97 lb down and 53 lb up at 5-7-14 on top chord, and 17 lb down and 7 lb up at 1-5-12, 15 lb down and 9 lb up at 3-1-14, and 33 lb down and 37 lb up at 4-9-12, and 58 lb down and 45 lb up at 5-7-14 on bottom 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 + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-54, 2-5=-54, 9-10=-20, 6-8=-20

Concentrated Loads (lb)

Vert; 4=-8(B) 13=-2(F) 14=7(B) 15=5(F) 18=-27(B) 19=-23(F)



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ANSUTH1 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 HARTLEY - COREY RES Qty T17699065 1854243 PB01 Piggyback 18 Job Reference (optional) Builders FirstSource Jacksonville, FL - 32244 8 240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 11 2019 Page 1 3-9-0 Scale = 1 20.7 4x4 = 10.00 12 0-4-13, 0-4-13 6 2x4 = 2x4 = 2x4 11 Plate Offsets (X,Y)-[2:0-2-1,0-1-0], [4:0-2-1,0-1-0] LOADING (psf) SPACING-CSI. **PLATES** GRIP in I/defl L/d (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.19 0.00 Vert(LL) 5 n/r 120 244/190 MT20 TCDL 7.0 Lumber DOL 1.25 вс 0.10 Vert(CT) 0.01 120 5 n/r

LUMBER-

BCLL

BCDL

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3

0.0

10.0

BRACING-TOP CHORD

Horz(CT)

0.00

n/a

n/a

BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins, Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight 27 lb

FT = 20%

REACTIONS. (lb/size) 2=154/6-2-9, 4=154/6-2-9, 6=195/6-2-9

Rep Stress Incr

Code FBC2017/TPI2014

Max Horz 2=-73(LC 10)

Max Uplift 2=-47(LC 12), 4=-53(LC 13), 6=-10(LC 12)

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

NOTES-

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

 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-P

0.03

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

YES

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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July 25,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-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 bucking of individual truss web and/or chord members only. Additional temporary and permanent tracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, strage, 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Ply Qty HARTLEY - COREY RES T17699066 1854243 Piggyback PB02 Job Reference (optional) Builders FirstSource Jacksonville, FL - 32244 8,240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 12 2019 Page 1 ID C0mABbmGidkrSL0DgHTklNztW50-xFWAwQVSLrYsG?mDcoQlhx9rBeNMCkE3gW3rVtyuUyj
7-6-0 4-3-10 Scale 3/4"=1" 4x4 = 4x4 = _i19.00 12 5 6 04-13 0-1-10 0-1-10 2x4 = 2x4 || 2x4 || 2x4 = 7-6-0 Plate Offsets (X,Y)-[2:0-2-1,0-1-0], [3:0-2-0,0-1-13], [4:0-2-0,0-1-13], [5:0-2-1,0-1-0] LOADING (psf) SPACING-2-0-0 CSL DEFL. in (loc) l/defl L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.13 Vert(LL) 0.00 6 n/r 120 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 вс 0.06 Vert(CT) 0.00 6 n/r 120 **BCLL** 0.0 Rep Stress Incr WB YES 0.02 Horz(CT) 0.00 5 п/а n/a BCDL Code FBC2017/TPI2014 10.0 Matrix-P Weight: 29 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD 2x4 SP No.2 **OTHERS** 2x4 SP No.3

BOT CHORD

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

REACTIONS. All bearings 6-2-9

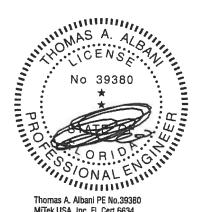
(lb) - Max Horz 2=62(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7, 8 Max Grav All reactions 250 lb or less at joint(s) 2, 5, 7, 8

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 7, 8.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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July 25,2019

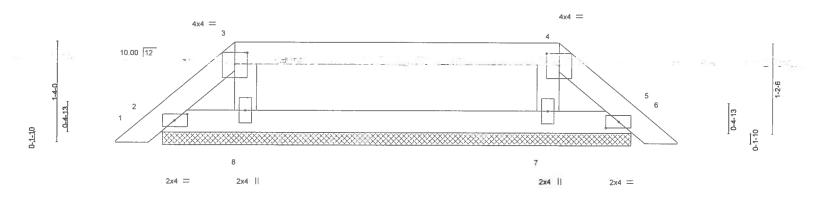
🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design Bratcing 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 reparding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see. ANSITPH 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 HARTLEY - COREY RES Ply T17699067 1854243 PB03 Piggyback Job Reference (optional) Jacksonville, FL - 32244, 8.240 s Jun 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 13 2019 Page 1 Builders FirstSource, ID C0mABbmGidkrSLODgHTklNztW50-QS4Y7mW469gju9LP9Wx_E9hzN1i0xBACvAoP1JyuUyi

7-6-0

Scale = 1 14.8



late Offse	ets (X,Y) [[2:0-2-1,0-1-0], [3:0-2-0,0	-1-13], [4:0-2-0	,0-1-13], [5:0	-2-1,0-1-0]	7-6-0 7-6-0		41				
LOADING TCLL TCDL BCLL	(psf) 20.0 7.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.29 0.09 0.04	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 5 5	l/defi n/r n/r n/a	L/d 120 120 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code FBC2017/TF	. — —	Matrix		115.5(01)	0.00		1170	11764	Weight: 24 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 **WEBS** 2x4 SP No.3

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-2-9

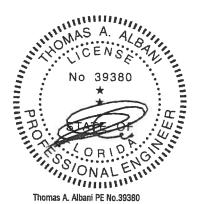
(lb) - Max Horz 2=29(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 8, 7 Max Grav All reactions 250 lb or less at joint(s) 2, 5, 8, 7

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat, II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 8, 7.
 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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July 25,2019

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - COREY RES	
1854243	T01	Piggyback Base	3	1		T17699068
Builders FirstSource.	Jacksonville, FL - 32244.				Job Reference (optional)	T
builders / listSource,	Jacksonville, PL - 32244,		15.00 151 511			Thu Jul 25 14 43 14 2019 Page 1

ID:C0mABbmGidkrSLODgHTklNztW50-ueewL6WitToaWJvcjDTDmME1iRtogPNL8qYyZlyuUyh 12-1-8 19-7-8 27-8-14 24-0-10 32-6-0 36-6-0 6-2-8 4-0-0

Scale = 1 82.0 5x8 = 5x6 = 10.00 12 4x6 3.50 12 10 6x8 = 5x6 = 11 8x10 = 2x4 = 4-5-6 12 13 1-5 2¹⁴ 15 15 22 19 18 4x8 35 20 25 24 3x4 = 3x8 = 6x8 = 16 3x6 = 3x6 = 5x6 =

	5-11-0 5-11-0	3-6-4 2-1	1-8 19-7-8 3-4 7-6-0	27-8-14 8-1-6	32-6-0 4-9-2	36-6-0 36-7-12 41-9-8 4-0-0 0-1-12 5-1-12	
Plate Offsets (X,Y)-	[7:0-6-4,0-2-0], [8:0-4-4,0	<u>-2-0], [9:0-1-4,</u>	0-2-0], [11:0-3-0,0-3-0], [1	2:0-4-12,0-6-4], [17:0-0-0,0-1-12	2], [18:0-3-8,0-3-0], [23	3:0-2-8,0-0-8]	
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2017/T	2-0-0 1.25 1.25 YES PI2014	CSI. TC 0.77 BC 0.83 WB 1.00 Matrix-MS	DEFL. in (loc) Vert(LL) -0.29 19-21 Vert(CT) -0.60 24 Horz(CT) 0.13 16	l/defl L/d >999 240 >732 180 n/a n/a	MT20	GRIP 244/190 187/143 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*

7-8: 2x4 SP M 31

3x12 MT20HS

BOT CHORD 2x4 SP No.2 *Except*

6-25: 2x4 SP No.3, 12-16: 2x6 SP No.2 WEBS 2x4 SP No.3 *Except*

12-18: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8

REACTIONS. (lb/size) 2=1472/0-3-0, 16=1722/0-3-8, 14=118/0-3-8

Max Horz 2=-280(LC 10)

Max Uplift 2=-241(LC 12), 16=-339(LC 13), 14=-163(LC 9) Max Grav 2=1472(LC 1), 16=1722(LC 1), 14=130(LC 24)

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

TOP CHORD 2-4=-1647/718, 4-6=-1995/819, 6-7=-1602/797, 7-8=-1257/775, 8-9=-1703/910,

9-10=-3794/1865, 10-11=-2962/1355, 11-12=-2677/1262, 12-13=-129/469, 13-14=-25/359

2x4 ||

BOT CHORD 2-25=-331/1205, 23-25=-181/1115, 6-23=0/450, 22-23=-434/1681, 21-22=-164/1204.

19-21=-573/1771, 18-19=-1068/2526, 17-18=-713/388, 16-17=-1597/738,

12-17=-1510/729, 14-16=-310/40

4-25=1500/345, 4-23=-393/1804, 6-22=-670/334, 7-22=-149/575, 7-21=-159/298, 8-21=-348/796, 9-21=-896/593, 9-19=-1068/2125, 10-19=-1767/958, 11-19=-24/431,

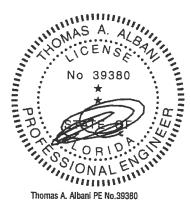
11-18=-387/229, 12-18=-1465/3264

NOTES-

WEBS

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

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed, porch right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=241.16=339.14=163.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



6x8 =

Structural wood sheathing directly applied or 2-9-15 oc purlins,

Rigid ceiling directly applied or 5-2-1 oc bracing. Except

2-0-0 oc purlins (6-0-0 max.): 7-8.

10-0-0 oc bracing: 23-25

1 Row at midpt

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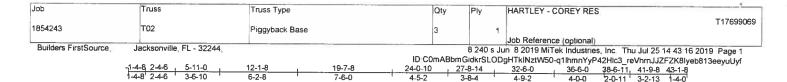
July 25,2019

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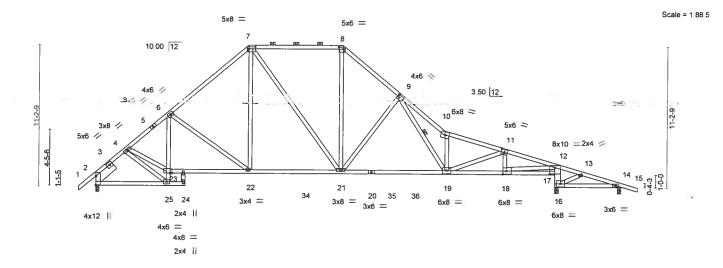
ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

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





7-6-0



	5-11-0	4-1-4 12-1-8 1-2-4 5-0-4	7-6-0	27-8-14 8-1-6		0-1-12 5-1-12 0-1-12 5-1-12
Plate Offsets (X,Y)— [2:Ed	ge,0-0-0], [7:0-6-4,0	0-2-0], [8:0-4-4,	0-2-0], [9:0-1-4,0-2-0], [11:0			3-8,0-3-0]. [23:0-1-12,0-0-0]
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2017/T	2-0-0 1.25 1.25 YES PI2014	CSI. TC 1.00 BC 0.82 WB 1.00 Matrix-MS	DEFL. in (loc) Vert(LL) -0.29 19-21 Vert(CT) -0.57 19-21 Horz(CT) 0.13 16	l/defl L/d >999 240 >775 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 272 lb FT = 20%

LUMBER-

WEBS

TOP CHORD 2x4 SP No.2

2x4 SP No.2 *Except* BOT CHORD

6-25: 2x4 SP No.3, 12-16: 2x6 SP No.2

2x4 SP No.3 *Except*

12-18: 2x4 SP No.2

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8 **BRACING-**TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 2-10-4 oc purlins,

2-0-0 oc purlins (2-2-0 max.): 7-8.

Rigid ceiling directly applied or 5-2-7 oc bracing. Except:

10-0-0 oc bracing: 23-25

WEBS

1 Row at midpt

REACTIONS. (lb/size) 2=1436/0-3-0 16=1710/0-3-8 14=120/0-3-8

Max Horz 2=-280(LC 10)

Max Uplift 2=252(LC 12), 16=343(LC 13), 14=162(LC 9) Max Grav 2=1436(LC 1), 16=1710(LC 1), 14=131(LC 24)

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

TOP CHORD 2-4=-1586/732, 4-6=-1907/847, 6-7=-1569/807, 7-8=-1240/781, 8-9=-1680/917,

9-10-3758/1876, 10-11-2933/1363, 11-12-2655/1268, 12-13-132/464, 13-14-28/354

BOT CHORD 2-25=-338/1164, 23-25=-204/892, 6-23=-12/322, 22-23=-456/1612, 21-22=-172/1178,

19-21=-578/1750, 18-19=-1073/2505, 17-18=-704/395, 16-17=-1585/742,

12-17=1498/733, 14-16=305/42

WEBS 4-25=-1306/370, 4-23=-435/1605, 6-22=-617/351, 7-22=-159/543, 7-21=-154/310.

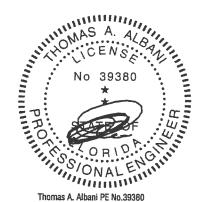
8-21=-351/779, 9-21=-890/593, 9-19=-1072/2111, 10-19=-1753/963, 11-19=-27/424,

11-18=-382/230, 12-18=-1476/3234

NOTES-

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

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed, porch right exposed C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (|t=|b|) 2=252, 16=343, 14=162.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

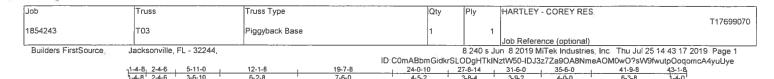


Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

July 25,2019

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ANSITY! Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314





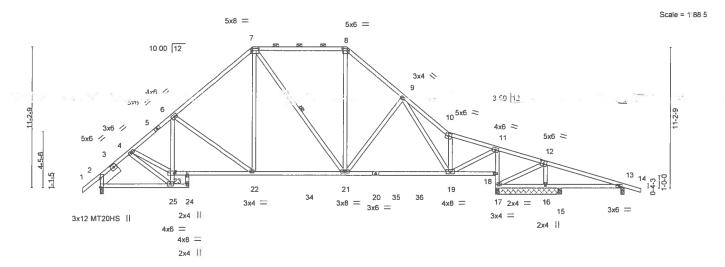


Plate Offse	ets (X,Y)	5-11-0 5-11-0 [7:0-6-4,0-2-0], [8:0-4-4,0	7-1-4, 12-1-8 1-2-4 5-0-4 0-2-0], [12:0-3-0,	7-6-0	27-8-14 8-1-6	31-6-0 34-1-12 35 3-9-2 2-7-12 h		
LOADING TCLL TCDL BCLL BCDL	(psf) 20.0 7.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2017/1	2-0-0 1.25 1.25 YES PI2014	CSI. TC 0.88 BC 0.67 WB 0.73 Matrix-MS	DEFL. in (loc) Vert(LL) -0.14 19-21 Vert(CT) -0.28 19-21 Horz(CT) 0.08 18	l/defl L/d >999 240 >999 180 n/a n/a	PLATES MT20 MT20HS Weight: 269 lb	GRIP 244/190 187/143 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

6-25,11-17: 2x4 SP No.3

WEBS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8

REACTIONS. All bearings 5-3-8 except (jt=length) 2=0-3-0, 13=0-3-8, 15=0-3-8.

(lb) - Max Horz 2=-280(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 17, 16 except 2=-227(LC 12), 13=-179(LC 9), 18=-237(LC 13),

15=-131(LC 9)

Max Grav All reactions 250 lb or less at joint(s) 17, 17, 16, 15 except 2=1247(LC 1), 13=261(LC 24), 18=1343(LC 1)

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

TOP CHORD 2-4=-1346/626, 4-6=-1598/712, 6-7=-1266/674, 7-8=-920/617, 8-9=-1198/704,

9-10=-1506/877, 10-11=-1170/588, 11-12=0/257

BOT CHORD 2-25=-268/1023, 23-25=-154/791, 6-23=-11/320, 22-23=-350/1396, 21-22=-69/970,

19-21=-251/1012, 18-19=-264/166, 11-18=-1308/590

WEBS 4-25=-1143/290, 4-23=-324/1381, 6-22=-609/347, 7-22=-156/538, 8-21=-214/506,

9-21=-376/318, 9-19=-227/259, 10-19=-779/522, 11-19=-573/1539

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10, Vult=130mph (3-second gust) Vasd=101mph, TCDL=4.2psf; BCDL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss is not designed to support a ceiling and is not intended for use where aesthetics are a consideration.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 16 except (jt=lb) 2=227, 13=179, 18=237, 15=131.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



36-9-8

Structural wood sheathing directly applied or 4-0-1 oc purlins, except

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

2-0-0 oc purlins (3-2-2 max.): 7-8.

10-0-0 oc bracing: 23-25

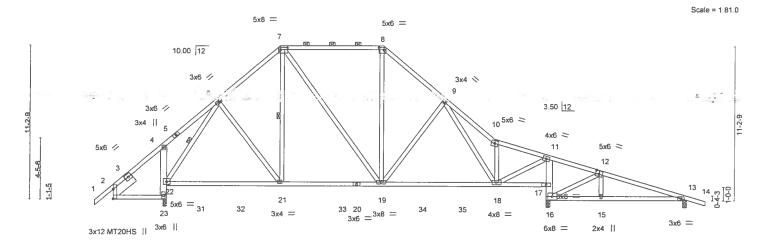
1 Row at midpt

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019



Jop	Truss	Truss Type	Qty PI	ly	HARTLEY - COREY RES	
				i		T17699071
1854243	T04	Piggyback Base	1	1		
					Job Reference (optional)	1
Builders FirstSource, Ja	acksonville, FL - 32244,		8.2	240 s Jur	8 2019 MiTek Industries, Inc. Thu Jul 25 14 43 19 20	19 Page 1
		ID:C0π	ABbmGidkrSLO	DgHTkl f	IztW50-EcRpOparh?Qsc4oZWn2OTQxtZSduLmU4H6F	FiFzyuUvc
₇ 1-4-8,	3-10-8 7-7-11			27-8-14		43-1-8
1-4-8 '	3-10-8 3-9-3	4-5-13 7-6-0	4-5-2	3-8-4	3-9-2 4-0-0 6-3-8	1-4-0



	3-7-8 3-10-8	12-1-8	19-7-8	27-8-14	31-6-0 31-7 _F 12 35		
Plate Offsets (X,Y)	3-7-8 0-3-0 [7:0-6-4,0-2-0], [8:0-4-4]	8-3-0 ,0-2-01, [12:0-3-0.0		8-1-6	3-9-2 0-1-12 3-	10-4 ' 6-3	3-8
COADING (psf) FCLL 20.0 FCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2017/	2-0-0 1.25 1.25 YES	CSI. TC 0.82 BC 0.64 WB 0.56 Matrix-MS	DEFL. in (loc) Vert(LL) -0.14 21-22 Vert(CT) -0.28 21-22 Horz(CT) 0.03 16	>999 240 >999 180	PLATES MT20 MT20HS Weight: 268 I	GRIP 244/190 187/143 b FT = 20%
UMBER-				BRACING-			

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2

2x4 SP No.2 *Except* **BOT CHORD**

4-23,11-16: 2x6 SP No.2

WEBS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8

REACTIONS. (lb/size) 23=1375/0-3-0, 16=1519/0-3-8, 13=345/0-3-8

Max Horz 23=-280(LC 10)

Max Uplift 23=-263(LC 12), 16=-320(LC 9), 13=-263(LC 9) Max Grav 23=1375(LC 1), 16=1519(LC 1), 13=349(LC 24)

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

TOP CHORD 2-4=-243/318, 4-6=-219/356, 6-7=-846/478, 7-8=-742/495, 8-9=-943/546,
9-10=-1183/602, 10-11=-916/371, 11-12=-134/373, 12-13=-279/485

BOT CHORD 2-23=212/301, 22-23=1325/753, 4-22=-326/228, 21-22=-74/642, 19-21=-0/698, 18-19-98/817, 17-18-459/385, 16-17-1221/570, 11-17-1193/562, 15-16-377/233,

13-15=-393/243

6-22=-1213/662, 6-21=-121/273, 8-19=-107/351, 9-19=-349/274, 10-18=-629/409,

11-18=-576/1473, 12-16=-629/742, 12-15=-253/247

NOTES-

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- Wind ASCE 7-10, Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf, h=18ft, Cat. II; Exp C; Encl., GCpi=0.18, MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed, porch right exposed;C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding
- 4) All plates are MT20 plates unless otherwise indicated
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 23=263, 16=320, 13=263.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 5-4-2 oc purlins, except

6-22, 7-21

2-0-0 oc purlins (4-3-4 max.): 7-8.

1 Row at midpt

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

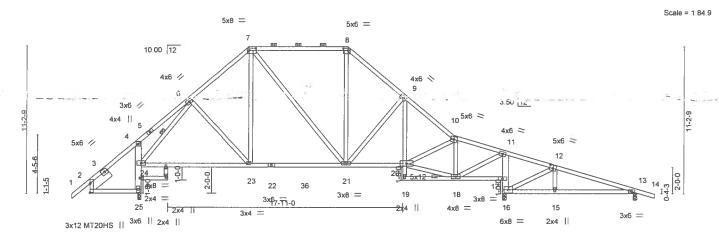
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

July 25,2019

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Job	Truss	Truss Type		Qty	Ply	HARTLEY -	COREY RES			
									T17699	9072
1854243	T05	Piggyback Base		3	1					ļ
						Job Referen	ce (optional)			
Builders FirstSource,	Jacksonville, FL - 32244,				8 240 s Ju	n 8 2019 Mi	ek Industries,	Inc. Thu Jul 25 1	4 43 20 2019 Page 1	1
			ID C0mABI	mGidkrSl	LODgHTkIN	ztW50-io?Bb	9bTSJYjEENI4	UZe0dU12szW4l	DDEWm?GnPyuUyb)
₇ 1-4-	8, 3-10-8 , 7-7-11 ,	12-1-8	9-7-8 , 23-10-	D , 2	27-8-14	31-6-0	35-6-0	41-9-8	43-1-8	
1- 4- 1	3 3-10-8 3-9-3	4-5-13	7-6-0 4-2-8		3-10-14	3-9-2	4-0-0	6-3-8	1-4-0	



		3-7-8 3-10-8	12-1-8	19-7-8	23-10-0	27-8-14	31-6-0 31-7 _t 12 35-6-0	41-9-8	
		3-7-8 0-3-0	6-2-8	7-6-0	4-2-8	3-10-14	3-9-2 0-1-12 3-10-4	6-3-8	
		2-0-8							
Plate Offse	ets (X,Y)	[7:0-6-4,0-2-0], [8:0-4-4,0	-2-0], [12:0-3-0,0	0-3-0]					
		I			T				
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.84	Vert(LL)	-0.13 23-24	>999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.26 23-24	>999 180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.11 16	n/a n/a	5.5	
BCDL	10.0	Code FBC2017/T	PI2014	Matrix-MS				Weight: 274 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

2-0-0 oc purlins (3-10-14 max.): 7-8.

5-11-0 oc bracing: 24-25

1 Row at midpt

Structural wood sheathing directly applied or 5-1-5 oc purlins, except

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

6-24

LUMBER-TOP CHORD

2x4 SP No.2 2x4 SP No.2 *Except* BOT CHORD

4-25,11-16: 2x6 SP No.2, 9-19,26-27: 2x4 SP No.3

WEBS 2x4 SP No.3

Left 2x8 SP 2400F 2.0E 1-11-8 SLIDER

REACTIONS. 25=1375/0-3-0, 16=1518/0-3-8, 13=346/0-3-8 (lb/size)

Max Horz 25=-280(LC 10) Max Uplift 25=-264(LC 12), 16=-315(LC 9), 13=-267(LC 9) Max Grav 25=1375(LC 1), 16=1518(LC 1), 13=351(LC 24)

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

2-4=-250/323, 4-6=-538/506, 6-7=-880/461, 7-8=-786/495, 8-9=-999/547, TOP CHORD

9-10=-1273/565, 10-11=-859/407, 11-12=-103/370, 12-13=-286/517

2-25=-210/293, 24-25=-1338/776, 4-24=-310/184, 23-24=-92/709, 21-23=-1/717, **BOT CHORD**

20-21=-121/942, 9-20=-61/253, 17-18=-446/343, 16-17=-1219/556, 11-17=-1168/556,

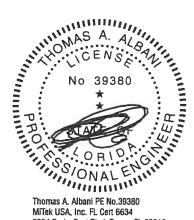
15-16=-406/239, 13-15=-422/249

WEBS 7-23=-57/263, 8-21=-109/389, 9-21=-466/286, 18-20=-167/804, 10-18=-786/345,

11-18-567/1393, 12-16-630/741, 12-15-252/247, 6-24-1407/961

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 25=264, 16=315, 13=267;
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



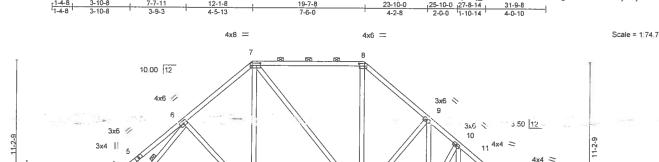
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

July 25,2019

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Job	Truss	Truss Type	Qty	Plv	HARTLEY - COREY RES			
1854243	T06	Piggyback Base	2	1	37.27.123	T17699073		
B 31 - 51 - 10		99,000			Job Reference (optional)			
Builders FirstSource,	Jacksonville, FL - 32244,			8.240 s Ju	in 8 2019 MiTek Industries, Inc. Thu Jul 25 14 43	3 22 2019 Page 1		
			ID:C0mABbmGidkrSLODgHTklNztW50-fA7y0rcj_woRTXX8Bvc652ZNLgfwY7UXz4UNslyuUyZ					



31

19

3x8 ==

17

6-0-0 oc bracing: 2-23

1 Row at midpt

9-2-1 oc bracing: 18-19 5-10-0 oc bracing: 22-23

24

5x8 =

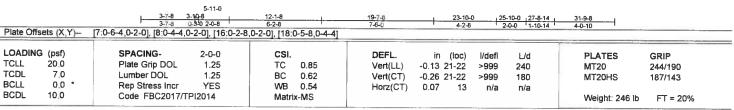
2x4 11

Structural wood sheathing directly applied or 4-10-7 oc purlins,

except end verticals, and 2-0-0 oc purlins (3-7-9 max.): 7-8.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-22



BRACING-

TOP CHORD

BOT CHORD

WEBS

21

3x4 =

20

3x6 = 17-11-0

LUMBER-

WEBS

NOTES-

TOP CHORD 2x4 SP No.2

BOT CHORD

2x4 SP No.2 *Except* 4-23: 2x6 SP No.2, 9-17,10-15,24-25: 2x4 SP No.3

WEBS

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8

REACTIONS. (lb/size) 23=1409/0-3-0, 13=1007/0-3-8

5x6

3x12 MT20HS II

Max Horz 23=-241(LC 10)

Max Uplift 23=-263(LC 12), 13=-192(LC 13)

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

2-4=-250/323, 4-6=-352/553, 6-7=-922/521, 7-8=-840/547, 8-9=-1075/611,

3k10

23

3x6 ||

2x4

2x4 ||

9-10=-1453/729, 10-11=-1301/647, 11-12=-864/400, 12-13=-968/470

BOT CHORD 2-23=-211/303, 22-23=-1372/773, 4-22=-339/232, 21-22=-238/690, 19-21=-145/709,

18-19=-417/1116, 9-18=-220/490, 10-16=-398/116 7-21=-70/252, 8-19=-147/428, 9-19=-605/373, 16-18=-439/1104, 10-18=-28/251.

14-16=-382/884, 11-16=-60/285, 11-14=-984/482, 12-14=-434/1004, 6-22=-1448/796

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding 4) All plates are MT20 plates unless otherwise indicated.

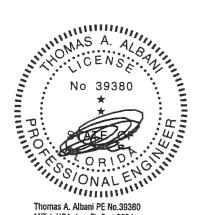
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=263 13=192

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



12

13

3x6 ||

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

July 25,2019

🛕 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 properly dualage. For general guidance regarding the tabrication, 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, 218 N. Lee Street. Suite 312, Alexandria, VA 22314

