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

RE: 2809652 - JOHN NORRIS CONST. - SPEC HSE

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:
Customer Info: John Norris Const. Project Name: Spec Hse Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 263 SE James Feagle Lane, 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: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 16 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	Date
1	T24292160	CJ01	6/11/21
2	T24292161	CJ03	6/11/21
3	T24292162	CJ05	6/11/21
4	T24292163	EJ01	6/11/21
5	T24292164	HJ10	6/11/21
6	T24292165	HJ10A	6/11/21
7	T24292166	PB01	6/11/21
8	T24292167	PB01G	6/11/21
9	T24292168	T01	6/11/21
10	T24292169	T02	6/11/21
11	T24292170	T03	6/11/21
12	T24292171	T03G	6/11/21
13	T24292172	T04	6/11/21
14	T24292173	T05	6/11/21
15	T24292174	T06	6/11/21
16	T24292175	T06G	6/11/21

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-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.

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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 11,2021

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Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292160
2809652	CJ01	Jack-Open	8	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:16 2021 Page 1
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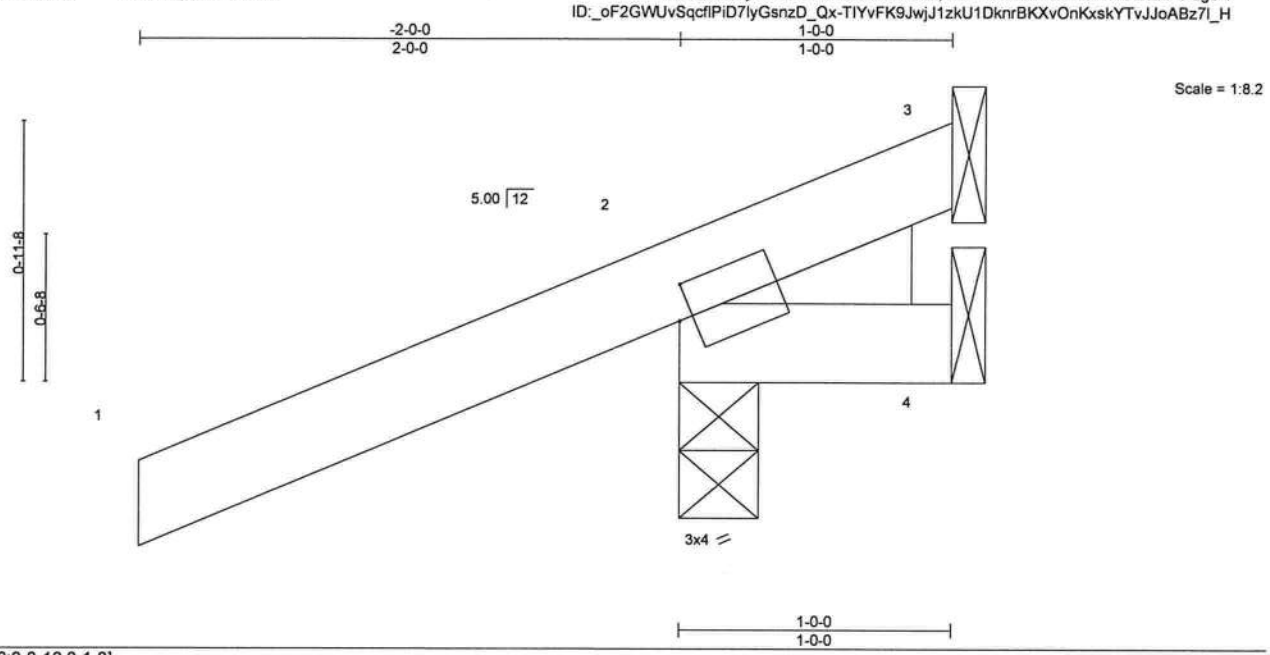

Plate Offsets (X,Y)-- [2:0-0-10,0-1-8]

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	0.24	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 8 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=40(LC 8)
Max Uplift 3=-31(LC 1), 2=-126(LC 8), 4=-41(LC 1)
Max Grav 3=21(LC 8), 2=254(LC 1), 4=24(LC 16)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3, 126 lb uplift at joint 2 and 41 lb uplift at joint 4.

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Date:
June 11,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292161
2809652	CJ03	Jack-Open	8	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:18 2021 Page 1
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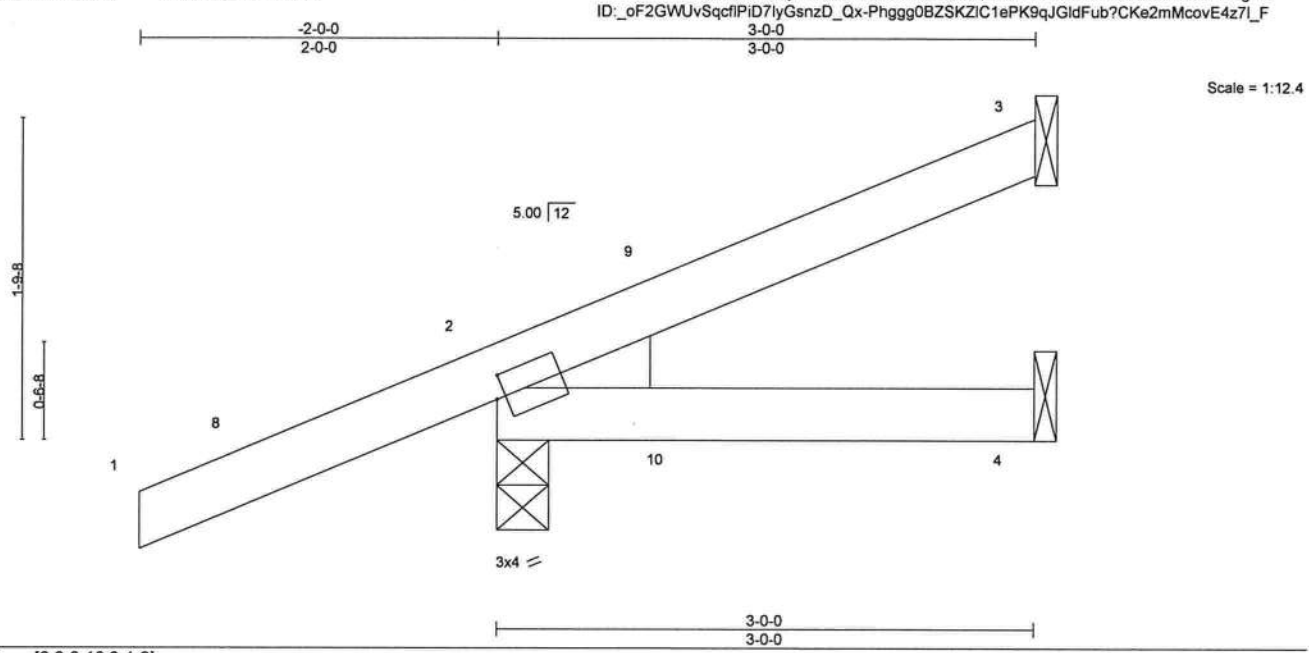

Plate Offsets (X,Y)-- [2:0-0-10,0-1-8]

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	0.24	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=67(LC 12)
Max Uplift 3=-33(LC 12), 2=-107(LC 8), 4=-15(LC 9)
Max Grav 3=54(LC 1), 2=253(LC 1), 4=49(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-11-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3, 107 lb uplift at joint 2 and 15 lb uplift at joint 4.

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June 11,2021

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Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292162
2809652	CJ05	Jack-Open	8	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:19 2021 Page 1
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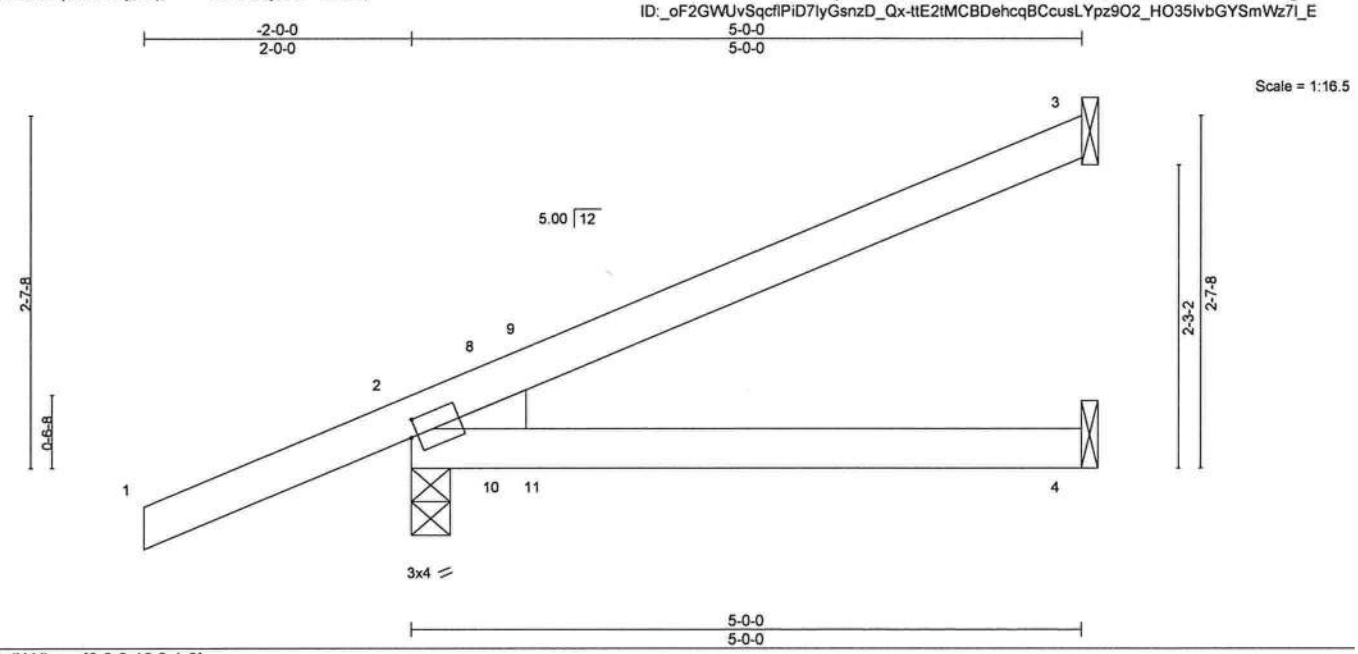

Plate Offsets (X,Y)-- [2:0-0-10,0-1-8]

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	0.34	Vert(LL)	0.08	4-7	>733	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	0.07	4-7	>829	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-63(LC 12), 2=-121(LC 8), 4=-28(LC 9)
Max Grav 3=111(LC 1), 2=313(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 3, 121 lb uplift at joint 2 and 28 lb uplift at joint 4.

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June 11,2021

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292163
2809652	EJ01	Jack-Partial	44	1	Job Reference (optional)	

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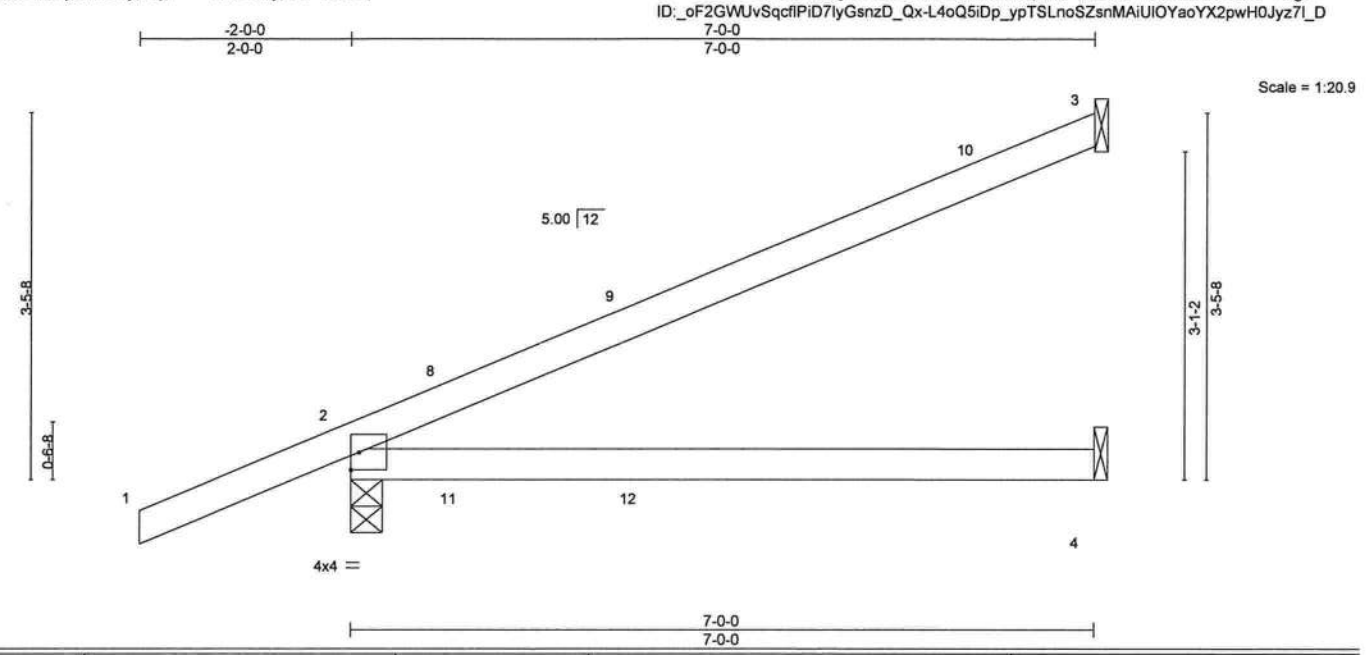

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.29	4-7	>284	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	0.25	4-7	>332	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 25 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=120(LC 12)
Max Uplift 3=-81(LC 12), 2=-140(LC 8), 4=-40(LC 9)
Max Grav 3=163(LC 1), 2=380(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 3, 140 lb uplift at joint 2 and 40 lb uplift at joint 4.

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Date:
June 11,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292164
2809652	HJ10	Diagonal Hip Girder	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:21 2021 Page 1
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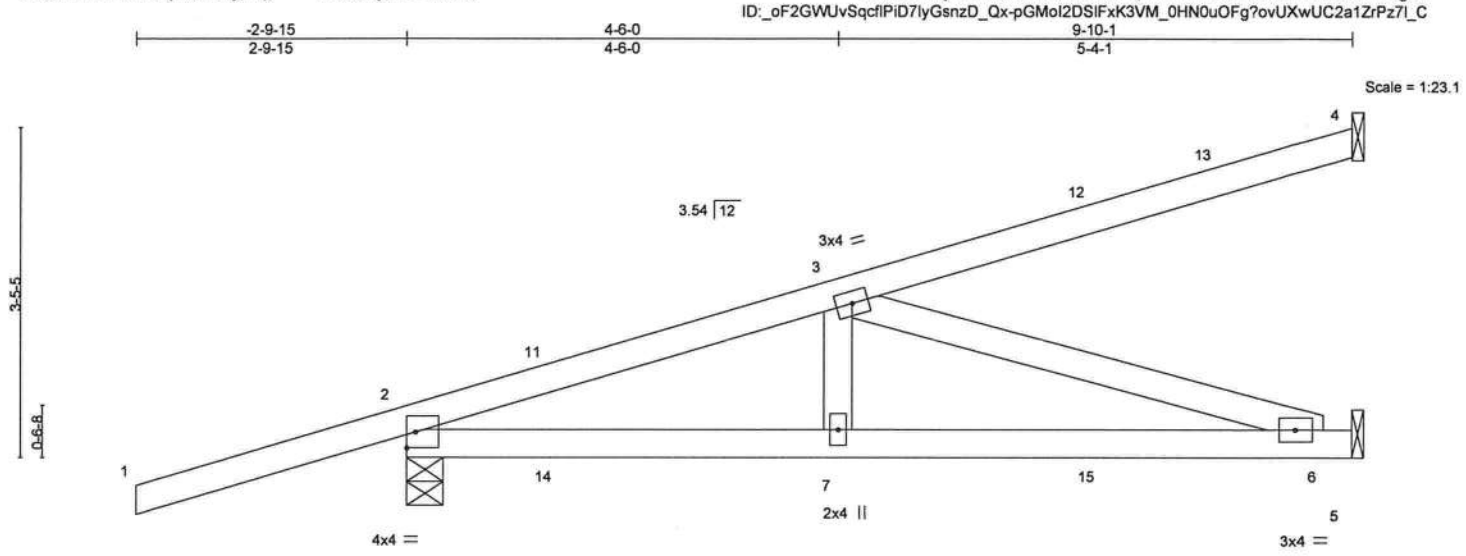

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.13	6-7	>871	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 44 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-9 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=133(LC 22)
Max Uplift 4=-80(LC 4), 2=-232(LC 4), 5=-137(LC 5)
Max Grav 4=156(LC 1), 2=461(LC 1), 5=263(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-623/314
BOT CHORD 2-7=-332/571, 6-7=-332/571
WEBS 3-6=-598/347

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 4, 232 lb uplift at joint 2 and 137 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 108 lb up at 1-6-1, 63 lb down and 108 lb up at 1-6-1, 20 lb down and 35 lb up at 4-4-0, 20 lb down and 35 lb up at 4-4-0, and 41 lb down and 74 lb up at 7-1-15, and 41 lb down and 74 lb up at 7-1-15 on top chord, and 40 lb down and 70 lb up at 1-6-1, 40 lb down and 70 lb up at 1-6-1, 42 lb down and 21 lb up at 4-4-0, 42 lb down and 21 lb up at 4-4-0, and 39 lb down and 42 lb up at 7-1-15, and 39 lb down and 42 lb up at 7-1-15 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, 5-8=-20
Concentrated Loads (lb)
Vert: 7=8(F=4, B=4) 11=54(F=27, B=27) 12=-68(F=-34, B=-34) 14=66(F=33, B=33) 15=-44(F=-22, B=-22)

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Date:
June 11,2021

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292165
2809652	HJ10A	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:22 2021 Page 1
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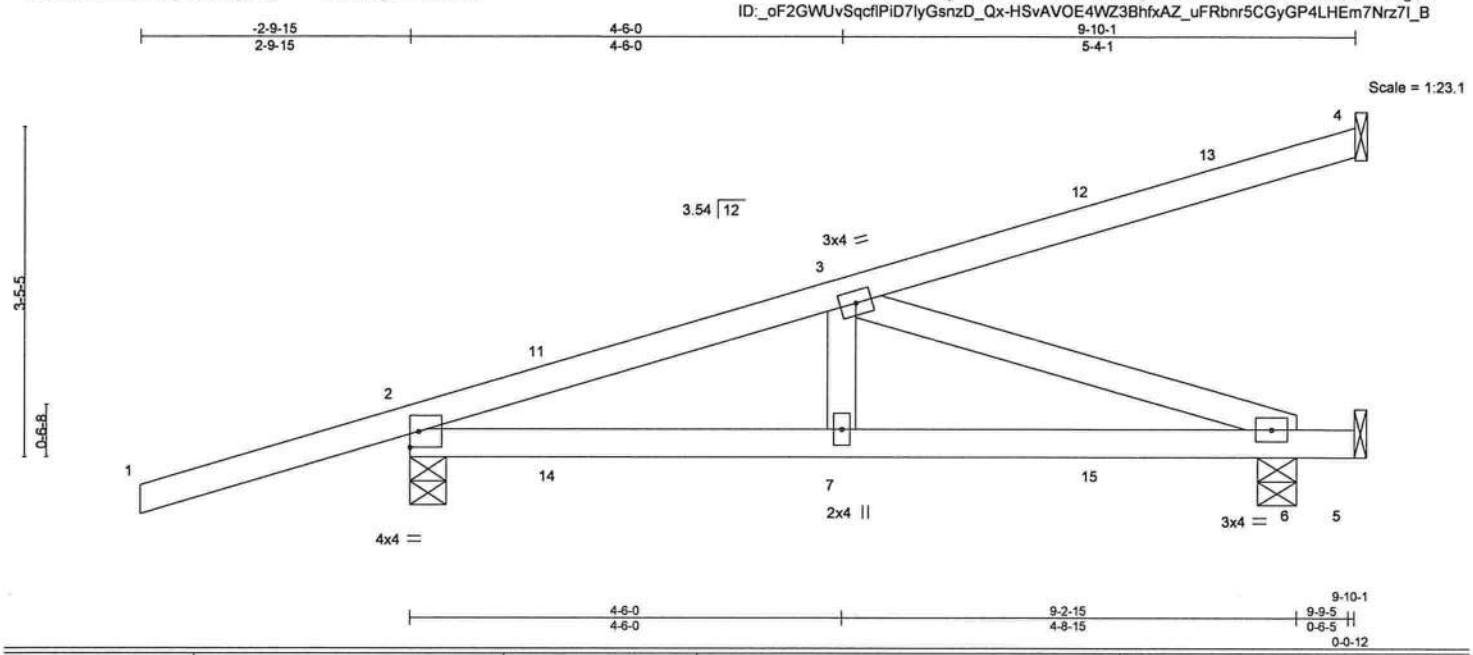

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 43 lb	FT = 20%

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

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

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-9, 6=0-4-15.
(lb) - Max Horz 2=133(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 4 except 2=-216(LC 4), 5=-277(LC 3), 6=-280(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 2=434(LC 1), 6=574(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-514/261
BOT CHORD 2-7=-281/469, 6-7=-281/469
WEBS 3-6=-494/296

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 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) 2=216, 5=277, 6=280.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 108 lb up at 1-6-1, 63 lb down and 108 lb up at 1-6-1, 20 lb down and 35 lb up at 4-4-0, 20 lb down and 35 lb up at 4-4-0, and 41 lb down and 74 lb up at 7-1-15, and 41 lb down and 74 lb up at 7-1-15 on top chord, and 40 lb down and 70 lb up at 1-6-1, 40 lb down and 70 lb up at 1-6-1, 42 lb down and 21 lb up at 4-4-0, 42 lb down and 21 lb up at 4-4-0, and 39 lb down and 42 lb up at 7-1-15, and 39 lb down and 42 lb up at 7-1-15 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, 5-8=-20
Concentrated Loads (lb)
Vert: 7=8(F=4, B=4) 11=54(F=27, B=27) 12=-68(F=-34, B=-34) 14=66(F=33, B=33) 15=-44(F=-22, B=-22)

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Date:
June 11,2021

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Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292166
2809652	PB01	Piggyback	20	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:23 2021 Page 1
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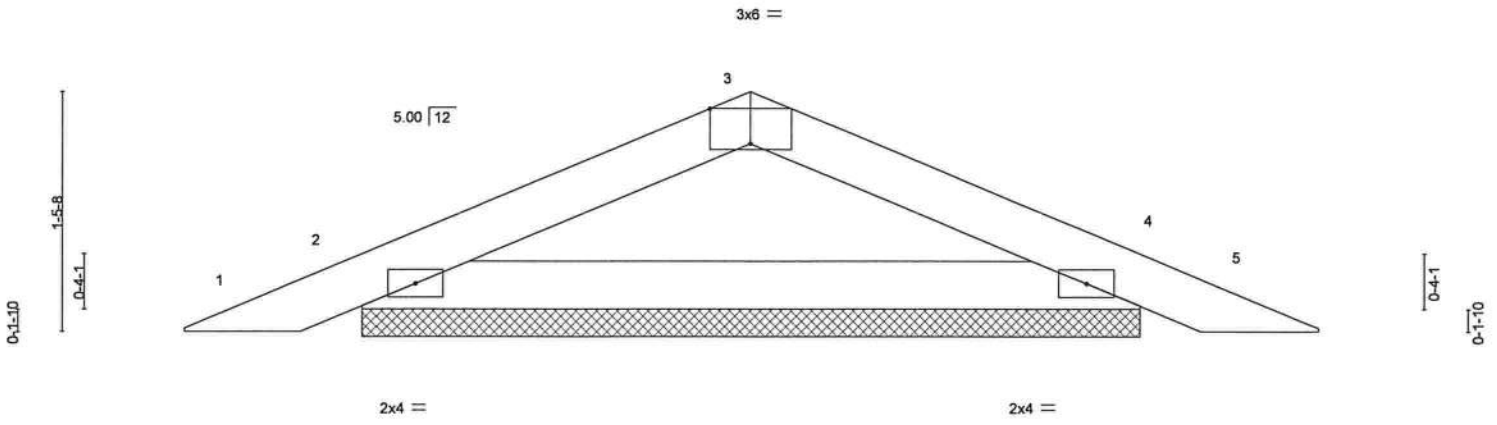

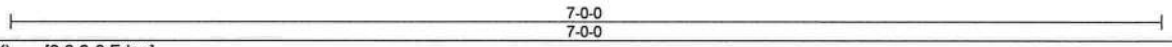

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.10	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-8-13, 4=4-8-13
Max Horz 2=-19(LC 13)
Max Uplift 2=-53(LC 12), 4=-53(LC 13)
Max Grav 2=215(LC 1), 4=215(LC 1)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292167
72809652 1	PB01G	PIGGYBACK	2	1	Job Reference (optional)	

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2-8-14 | 5-5-12
2-8-14 | 2-8-14

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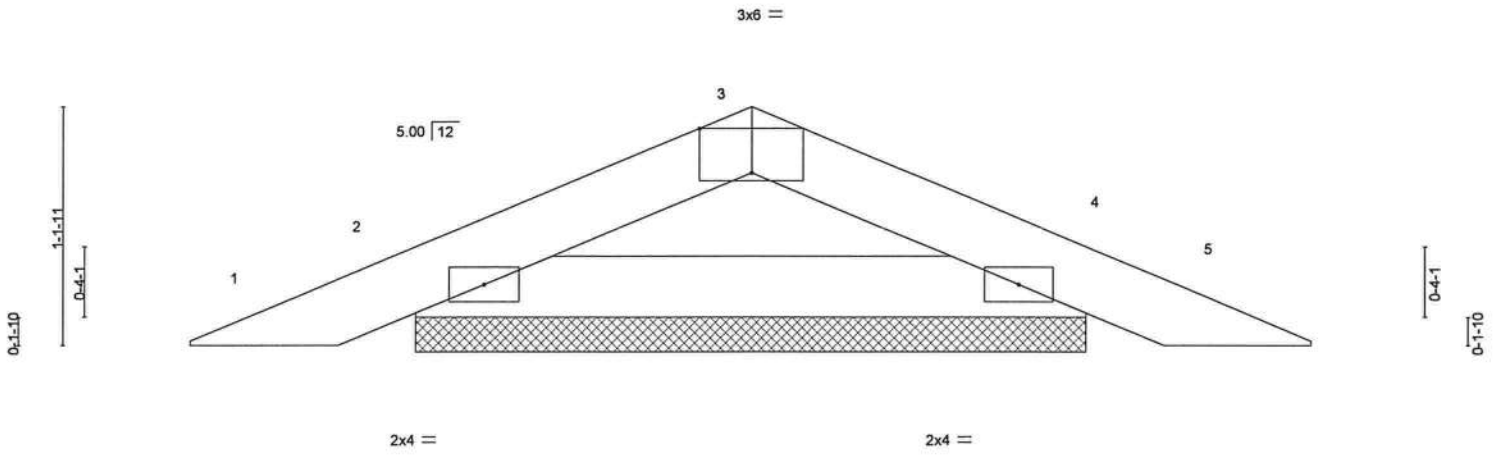

5-5-12
5-5-12

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.04	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-2-9, 4=3-2-9
Max Horz 2=14(LC 12)
Max Uplift 2=-42(LC 12), 4=-42(LC 13)
Max Grav 2=158(LC 1), 4=158(LC 1)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292168
2809652	T01	Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:13:46 2021 Page 1
ID:_oF2GWUvSqcflPiD7lyGsnzD_Qx-a4MFYbX7sx5nZLmoz1KuPfn_WtS5u7ztozaNCSz7kzp

-2-0-0	3-9-5	7-0-0	11-8-7	16-4-13	21-1-4	27-10-2	34-7-0	39-3-7	43-11-13	48-8-4	51-10-15	55-8-4	57-8-4
2-0-0	3-9-5	3-2-11	4-8-7	4-8-7	4-8-7	6-8-14	6-8-14	4-8-7	4-8-7	4-8-7	3-2-11	3-9-5	2-0-0

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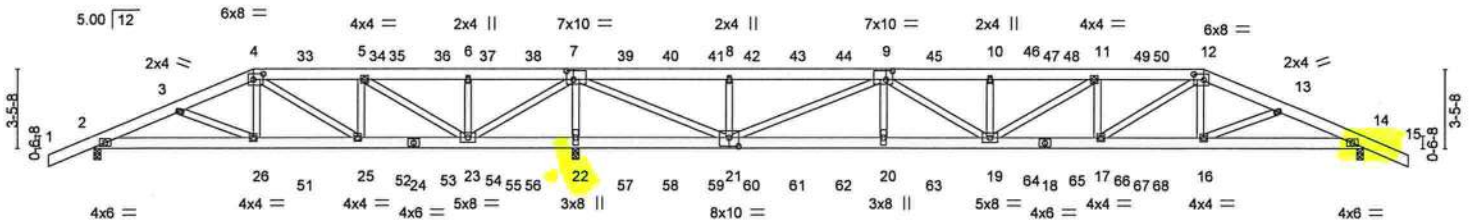

7-0-0	11-8-7	16-4-13	21-1-4	27-10-2	34-7-0	39-3-7	43-11-13	48-8-4	55-8-4
7-0-0	4-8-7	4-8-7	4-8-7	6-8-14	6-8-14	4-8-7	4-8-7	4-8-7	7-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-3-0], [7:0-3-8,0-4-8], [9:0-3-8,0-4-8], [12:0-5-4,0-3-0], [21:0-5-0,0-4-8]

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	0.45	Vert(LL)	0.23	19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.35	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 769 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-21,9-21: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 22-23,21-22.

REACTIONS. (size) 2=0-3-8, 22=0-3-8, 14=0-3-8
Max Horz 2=-56(LC 9)
Max Uplift 2=-379(LC 4), 22=-2542(LC 4), 14=-949(LC 9)
Max Grav 2=789(LC 19), 22=5499(LC 1), 14=2190(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1257/629, 3-4=-1074/598, 4-5=-270/269, 5-6=-802/1819, 6-7=-802/1819, 7-8=-1217/607, 8-9=-1217/607, 9-10=-5649/2610, 10-11=-5649/2610, 11-12=-5545/2576, 12-13=-4617/2124, 13-14=-4625/2091
BOT CHORD 2-26=-538/1139, 25-26=-493/994, 23-25=-181/326, 22-23=-4484/2086, 21-22=-4661/2168, 20-21=-2072/4733, 19-20=-2068/4722, 17-19=-2451/5545, 16-17=-1876/4273, 14-16=-1840/4195
WEBS 4-26=-253/606, 4-25=-872/373, 5-25=-331/800, 5-23=-2421/1138, 6-23=-358/181, 7-23=-1553/3206, 7-22=-5098/2382, 7-21=-2863/6376, 8-21=-739/366, 9-21=-3849/1736, 9-20=-106/487, 9-19=-498/1114, 10-19=-458/225, 11-17=-609/282, 12-17=-687/1546, 12-16=-178/552

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=379, 22=2542, 14=949.

Continued on page 2

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Date: June 11,2021

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 85 lb up at 7-0-0, 109 lb down and 85 lb up at 9-0-12, 109 lb down and 85 lb up at 11-0-12, 109 lb down and 85 lb up at 13-0-12, 109 lb down and 85 lb up at 15-0-12, 109 lb down and 85 lb up at 17-0-12, 109 lb down and 85 lb up at 19-0-12, 109 lb down and 85 lb up at 21-0-12, 109 lb down and 85 lb up at 23-0-12, 109 lb down and 85 lb up at 25-0-12, 109 lb down and 84 lb up at 27-0-12, 109 lb down and 84 lb up at 28-7-8, 109 lb down and 85 lb up at 30-7-8, 109 lb down and 85 lb up at 32-7-8, 109 lb down and 85 lb up at 34-7-8, 109 lb down and 85 lb up at 36-7-8, 109 lb down and 85 lb up at 38-7-8, 109 lb down and 85 lb up at 40-7-8, 109 lb down and 85 lb up at 42-7-8, 109 lb down and 85 lb up at 44-7-8, and 109 lb down and 85 lb up at 46-7-8, and 236 lb down and 171 lb up at 48-8-4 on top chord, and 292 lb down and 228 lb up at 7-0-0, 86 lb down and 60 lb up at 9-0-12, 86 lb down and 60 lb up at 11-0-12, 86 lb down and 60 lb up at 13-0-12, 86 lb down and 60 lb up at 15-0-12, 86 lb down and 60 lb up at 17-0-12, 86 lb down and 60 lb up at 19-0-12, 86 lb down and 60 lb up at 23-0-12, 86 lb down and 60 lb up at 25-0-12, 86 lb down and 60 lb up at 27-0-12, 86 lb down and 60 lb up at 28-7-8 , 86 lb down and 60 lb up at 30-7-8, 86 lb down and 60 lb up at 32-7-8, 86 lb down and 60 lb up at 34-7-8, 86 lb down and 60 lb up at 36-7-8, 86 lb down and 60 lb up at 38-7-8, 86 lb down and 60 lb up at 40-7-8, 86 lb down and 60 lb up at 42-7-8, 86 lb down and 60 lb up at 44-7-8, and 86 lb down and 60 lb up at 46-7-8, and 292 lb down and 228 lb up at 48-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-12=-54, 12-15=-54, 27-30=-20
   Concentrated Loads (lb)
   Vert: 4=-109(F) 12=-189(F) 26=-273(F) 7=-109(F) 9=-109(F) 20=-58(F) 16=-273(F) 33=-109(F) 34=-109(F) 35=-109(F) 36=-109(F) 37=-109(F) 38=-109(F) 39=-109(F) 40=-109(F) 41=-109(F) 42=-109(F) 43=-109(F) 44=-109(F) 45=-109(F) 46=-109(F) 47=-109(F) 48=-109(F) 49=-109(F) 50=-109(F) 51=-58(F) 52=-58(F) 53=-58(F) 54=-58(F) 55=-58(F) 56=-58(F) 57=-58(F) 58=-58(F) 59=-58(F) 60=-58(F) 61=-58(F) 62=-58(F) 63=-58(F) 64=-58(F) 65=-58(F) 66=-58(F) 67=-58(F) 68=-58(F)

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292169
2809652	T02	Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:02 2021 Page 1
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-2-0-0	3-9-5	7-0-0	10-5-8	16-3-1	22-0-9	27-10-2	33-7-11	39-5-3	45-2-12	48-8-4	51-10-15	55-8-4	57-8-4
2-0-0	3-9-5	3-2-11	3-5-8	5-9-9	5-9-9	5-9-9	5-9-9	5-9-9	5-9-9	3-5-8	3-2-11	3-9-5	2-0-0

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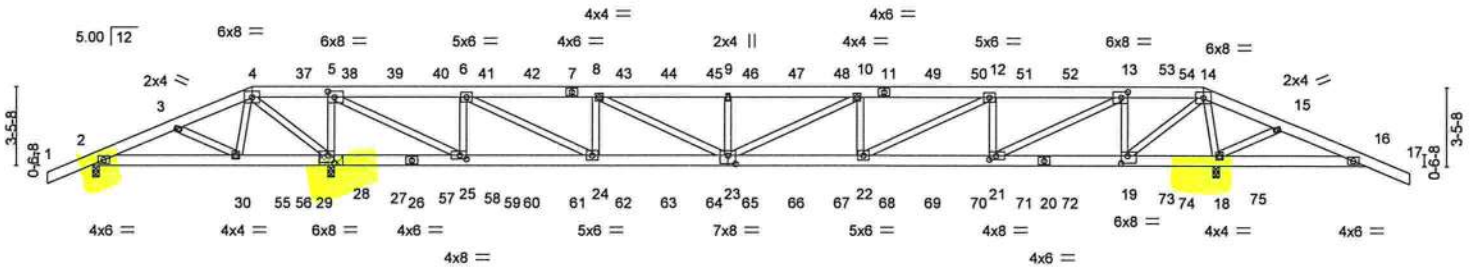


6-5-4	10-5-8	16-3-1	22-0-9	27-10-2	33-7-11	39-5-3	45-2-12	49-3-0	55-8-4
6-5-4	4-0-4	5-9-9	5-9-9	5-9-9	5-9-9	5-9-9	5-9-9	4-0-4	6-5-4

Plate Offsets (X,Y)-- [5:0-3-8,0-3-0], [13:0-3-8,0-3-0], [19:0-3-8,0-4-0], [21:0-3-8,0-2-0], [23:0-4-0,0-4-8], [25:0-3-8,0-2-0], [28:0-3-8,0-4-0]

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	0.76	Vert(LL)	0.31	22-23	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.48	22-23	>964	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 776 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-25,6-24,8-23,10-23,12-22,13-21: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 28=(0-3-8 + bearing block) (req. 0-3-10), 18=0-3-8
Max Horz 2=-56(LC 13)
Max Uplift 2=-1385(LC 20), 28=-2811(LC 4), 18=-1618(LC 5)
Max Grav 2=613(LC 11), 28=6173(LC 19), 18=3158(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1564/3583, 3-4=-1681/3843, 4-5=-2663/5989, 5-6=-96/284, 6-8=-3931/1811, 8-9=-6331/2904, 9-10=-6331/2904, 10-12=-6936/3187, 12-13=-5788/2682, 13-14=-2866/1397, 14-15=-381/900, 15-16=-305/649
BOT CHORD 2-30=-3242/1461, 28-30=-3635/1669, 25-28=-5989/2744, 24-25=-284/211, 23-24=-1729/3931, 22-23=-3105/6936, 21-22=-2601/5788, 19-21=-1315/2866, 18-19=-526/541, 16-18=-554/319
WEBS 3-30=-480/215, 4-30=-252/546, 4-28=-3118/1424, 5-28=-3684/1682, 5-25=-2890/6425, 6-25=-2752/1272, 6-24=-2148/4747, 8-24=-1882/881, 8-23=-1231/2703, 9-23=-644/318, 10-23=-682/328, 10-22=-361/184, 12-22=-615/1399, 12-21=-1278/597, 13-21=-1499/3399, 13-19=-2097/952, 14-19=-1596/3494, 14-18=-3045/1374, 15-18=-278/151

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2x6 SP No.2 bearing block 12" long at jt. 28 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SP No.2.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever right exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
7) Provide adequate drainage to prevent water ponding.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Phillip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 11,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE
2809652	T02	Hip Girder	1	2	T24292169
					Job Reference (optional)

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1385, 28=2811, 18=1618.
11) This truss has large uplift reaction at jt. 2 from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 85 lb up at 7-0-0, 109 lb down and 85 lb up at 9-0-12, 109 lb down and 85 lb up at 11-0-12, 109 lb down and 85 lb up at 13-0-12, 109 lb down and 85 lb up at 15-0-12, 109 lb down and 85 lb up at 17-0-12, 109 lb down and 85 lb up at 19-0-12, 109 lb down and 85 lb up at 21-0-12, 109 lb down and 85 lb up at 23-0-12, 109 lb down and 85 lb up at 25-0-12, 109 lb down and 84 lb up at 27-0-12, 109 lb down and 84 lb up at 28-7-8, 109 lb down and 85 lb up at 30-7-8, 109 lb down and 85 lb up at 32-7-8, 109 lb down and 85 lb up at 34-7-8, 109 lb down and 85 lb up at 36-7-8, 109 lb down and 85 lb up at 38-7-8, 109 lb down and 85 lb up at 40-7-8, 109 lb down and 85 lb up at 42-7-8, 109 lb down and 85 lb up at 44-7-8, and 109 lb down and 85 lb up at 46-7-8, and 233 lb down and 170 lb up at 48-8-4 on top chord, and 292 lb down and 228 lb up at 7-0-0, 86 lb down and 60 lb up at 9-0-12, 86 lb down and 60 lb up at 11-0-12, 86 lb down and 60 lb up at 13-0-12, 86 lb down and 60 lb up at 15-0-12, 86 lb down and 60 lb up at 17-0-12, 86 lb down and 60 lb up at 19-0-12, 86 lb down and 60 lb up at 21-0-12, 86 lb down and 60 lb up at 23-0-12, 86 lb down and 60 lb up at 25-0-12, 86 lb down and 60 lb up at 27-0-12, 86 lb down and 60 lb up at 28-7-8, 86 lb down and 60 lb up at 30-7-8, 86 lb down and 60 lb up at 32-7-8, 86 lb down and 60 lb up at 34-7-8, 86 lb down and 60 lb up at 36-7-8, 86 lb down and 60 lb up at 38-7-8, 86 lb down and 60 lb up at 40-7-8, 86 lb down and 60 lb up at 42-7-8, 86 lb down and 60 lb up at 44-7-8, and 86 lb down and 60 lb up at 46-7-8, and 200 lb down and 265 lb up at 48-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-14=-54, 14-17=-54, 31-34=-20
   Concentrated Loads (lb)
   Vert: 4=-109(B) 7=-109(B) 14=-186(B) 11=-109(B) 27=-58(B) 37=-109(B) 38=-109(B) 39=-109(B) 40=-109(B) 41=-109(B) 42=-109(B) 43=-109(B) 44=-109(B) 45=-109(B) 46=-109(B) 47=-109(B) 48=-109(B) 49=-109(B) 50=-109(B) 51=-109(B) 52=-109(B) 53=-109(B) 54=-109(B) 55=-273(B) 56=-58(B) 57=-58(B) 58=-58(B) 59=-58(B) 60=-58(B) 61=-58(B) 62=-58(B) 63=-58(B) 64=-58(B) 65=-58(B) 66=-58(B) 67=-58(B) 68=-58(B) 69=-58(B) 70=-58(B) 71=-58(B) 72=-58(B) 73=-58(B) 74=-58(B) 75=130(B)

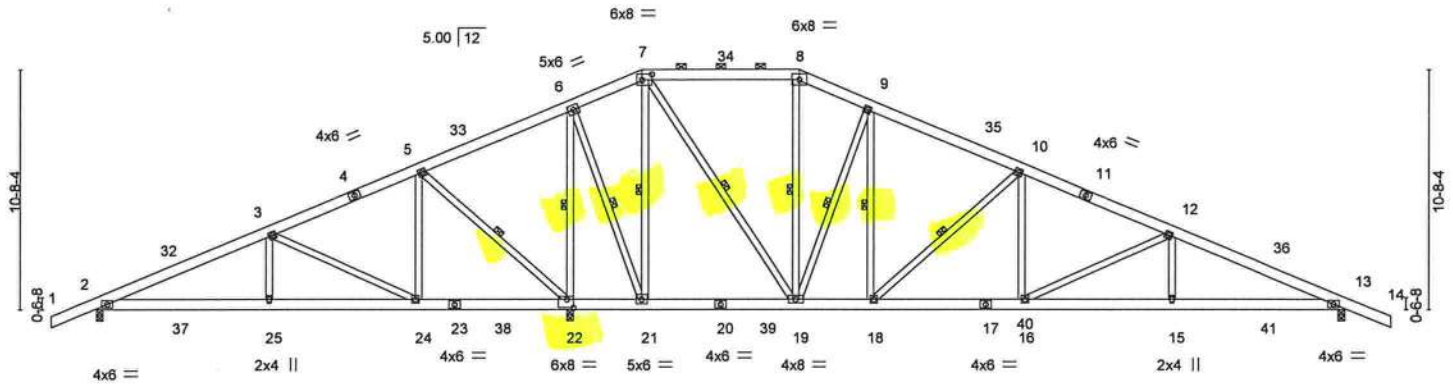
Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292170
2809652	T03	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:04 2021 Page 1

ID:_oF2GWUvSqcflPiD7lyGsnzD_Qx-3XS3KllQdTMDj69F1pe68SX4q7cX5GxXxmxKrPz7kzX

2-0-0	7-8-5	14-4-13	21-1-4	24-4-2	31-4-2	34-7-0	41-3-7	47-11-15	55-8-4	57-8-4
2-0-0	7-8-5	6-8-7	6-8-7	3-2-14	7-0-0	3-2-14	6-8-7	6-8-7	7-8-5	2-0-0

Scale = 1:98.8



7-8-5	14-4-13	21-1-4	24-4-2	31-4-2	34-7-0	41-3-7	47-11-15	55-8-4
7-8-5	6-8-7	6-8-7	3-2-14	7-0-0	3-2-14	6-8-7	6-8-7	7-8-5

Plate Offsets (X,Y)-- [7:0-5-4,0-3-0], [22:0-3-8,0-4-8]

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	0.33	Vert(LL)	0.15	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 451 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 5-5-5 oc bracing.
WEBS	1 Row at midpt 5-22, 6-22, 6-21, 7-21, 7-19, 8-19, 9-19, 9-18, 10-18

REACTIONS. (size) 2=0-3-8, 22=0-3-8, 13=0-3-8
Max Horz 2=-163(LC 13)
Max Uplift 2=-238(LC 8), 22=-942(LC 8), 13=-474(LC 9)
Max Grav 2=696(LC 23), 22=2785(LC 2), 13=1327(LC 26)

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

TOP CHORD	2-3=-890/544, 5-6=-531/805, 7-8=-631/631, 8-9=-713/666, 9-10=-1090/909, 10-12=-1818/1437, 12-13=-2474/1932
BOT CHORD	2-25=-419/780, 24-25=-419/780, 21-22=-689/714, 19-21=-156/298, 18-19=-607/951, 16-18=-1174/1626, 15-16=-1714/2249, 13-15=-1714/2249
WEBS	3-25=-339/306, 3-24=-756/655, 5-24=-562/570, 5-22=-876/732, 6-22=-1953/1501, 6-21=-1244/1559, 7-21=-1294/970, 7-19=-1085/1277, 9-19=-898/808, 9-18=-724/755, 10-18=-911/765, 10-16=-580/588, 12-16=-696/607, 12-15=-314/285

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 24-4-2, Exterior(2E) 24-4-2 to 31-4-2, Exterior(2R) 31-4-2 to 39-2-10, Interior(1) 39-2-10 to 57-8-4 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x4 MT20 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=238, 22=942, 13=474.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 11,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292171
2809652	T03G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:09 2021 Page 1
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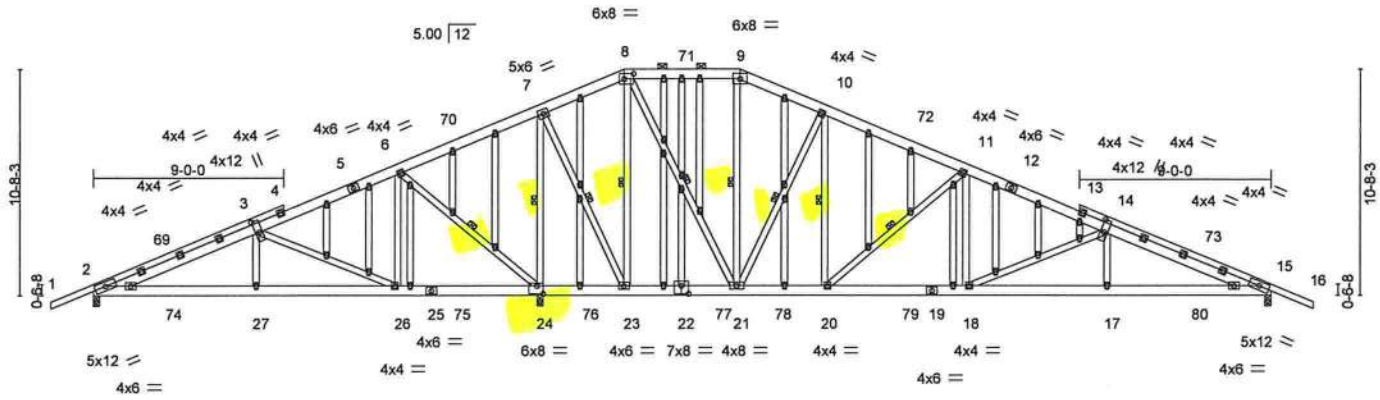
2-0-0	7-8-5	14-4-13	21-1-4	25-1-4	30-7-0	34-7-0	41-3-7	47-11-15	55-8-4	57-8-4
2-0-0	7-8-5	6-8-7	6-8-7	4-0-0	5-5-12	4-0-0	6-8-7	6-8-7	7-8-5	2-0-0

Scale = 1:104.8



7-8-5	14-4-13	21-1-4	25-1-4	30-7-0	34-7-0	41-3-7	47-11-15	55-8-4
7-8-5	6-8-7	6-8-7	4-0-0	5-5-12	4-0-0	6-8-7	6-8-7	7-8-5

Plate Offsets (X,Y)-- [3:0-7-0,0-2-0], [8:0-5-4,0-3-0], [14:0-7-0,0-2-0], [22:0-4-0,0-4-8], [24:0-3-8,0-4-8]

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	0.34	Vert(LL)	0.15	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.20	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.04	15	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 594 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4,13-16: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-6 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-9.
BOT CHORD Rigid ceiling directly applied or 5-5-8 oc bracing.
WEBS 1 Row at midpt 6-24, 7-24, 7-23, 8-23, 8-21, 9-21, 10-21, 10-20, 11-20

REACTIONS. (size) 2=0-3-8, 24=0-3-8, 15=0-3-8
Max Horz 2=-162(LC 17)
Max Uplift 2=-236(LC 8), 24=-932(LC 8), 15=-470(LC 9)
Max Grav 2=692(LC 23), 24=2776(LC 2), 15=1315(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-860/529, 3-6=-201/264, 6-7=-566/841, 8-9=-553/560, 9-10=-638/585, 10-11=-1116/920, 11-14=-1818/1470, 14-15=-2475/1952
BOT CHORD 2-27=-409/768, 26-27=-412/769, 23-24=-723/736, 20-21=-626/972, 18-20=-1228/1672, 17-18=-1749/2275, 15-17=-1746/2272
WEBS 3-27=-328/298, 3-26=-756/647, 6-26=-556/533, 6-24=-855/732, 7-24=-1955/1483, 7-23=-1227/1551, 8-23=-1235/928, 8-21=-1006/1187, 10-21=-961/861, 10-20=-776/807, 11-20=-922/793, 11-18=-558/534, 14-18=-670/577, 14-17=-297/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 25-1-4, Exterior(2E) 25-1-4 to 30-7-0, Exterior(2R) 30-7-0 to 38-5-8, Interior(1) 38-5-8 to 57-8-4 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
3) 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.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=236, 24=932, 15=470.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date: June 11,2021

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292172
2809652	T04	Piggyback Base	5	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:11 2021 Page 1
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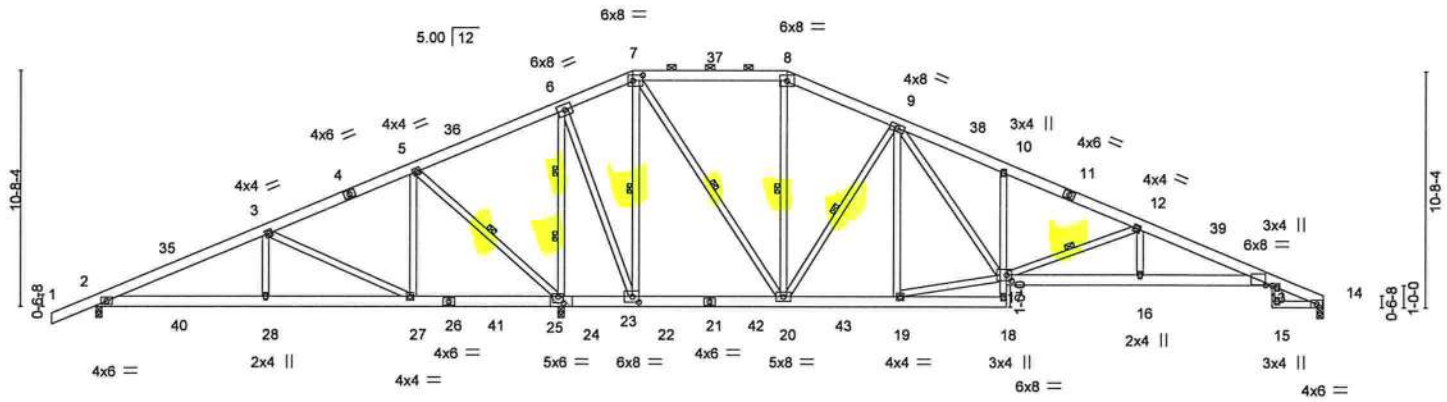
2-0-0	7-8-5	14-4-13	21-1-4	24-4-2	31-4-2	36-4-3	41-4-4	47-4-8	53-4-12	55-8-4
2-0-0	7-8-5	6-8-7	6-8-7	3-2-14	7-0-0	5-0-1	5-0-1	6-0-4	6-0-4	2-3-8

Scale = 1:100.4



7-8-5	14-4-13	21-1-4	24-4-2	31-4-2	36-4-3	41-4-4	47-4-8	53-4-12	55-8-4
7-8-5	6-8-7	6-8-7	3-2-14	7-0-0	5-0-1	5-0-1	6-0-4	6-0-4	2-3-8

Plate Offsets (X,Y)-- [7:0-5-4,0-3-0], [13:0-3-9,0-0-4], [17:0-2-12,0-3-0], [22:0-3-8,0-3-0], [24:0-3-0,0-3-8]

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	0.58	Vert(LL)	-0.28	13-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.47	13-16	>883	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.15	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 451 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
11-14: 2x6 SP M 26
BOT CHORD 2x6 SP No.2 *Except*
10-18: 2x4 SP No.3, 13-17: 2x6 SP M 26, 14-15: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 5-7-10 oc bracing.
WEBS 1 Row at midpt 5-24, 7-22, 7-20, 8-20, 9-20, 12-17
2 Rows at 1/3 pts 6-24

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 24=(0-3-8 + bearing block) (req. 0-4-0)
Max Horz 2=176(LC 16)
Max Uplift 2=-233(LC 8), 14=-247(LC 13), 24=-669(LC 9)
Max Grav 2=538(LC 23), 14=1008(LC 26), 24=3372(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-494/767, 3-5=-211/1139, 5-6=-419/1723, 6-7=-188/869, 9-10=-1370/454, 10-12=-1415/382, 12-13=-2665/640, 13-14=-554/151
BOT CHORD 2-28=-684/416, 27-28=-684/416, 24-27=-1038/426, 22-24=-1535/575, 20-22=-820/448, 19-20=0/604, 16-17=-525/2481, 13-16=-526/2485, 13-15=-57/278
WEBS 3-28=-334/315, 3-27=-786/648, 5-27=-572/569, 5-24=-871/746, 6-24=-2523/571, 6-22=-392/2074, 7-22=-1791/465, 7-20=-363/1555, 8-20=-317/135, 9-20=-930/308, 17-19=0/515, 9-17=-310/1114, 12-17=-1339/378, 12-16=-26/511

NOTES-
1) 2x6 SP No.2 bearing block 12" long at jt. 24 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 24-4-2, Exterior(2E) 24-4-2 to 31-4-2, Exterior(2R) 31-4-2 to 39-2-10, Interior(1) 39-2-10 to 55-8-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=233, 14=247, 24=669.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:
June 11,2021

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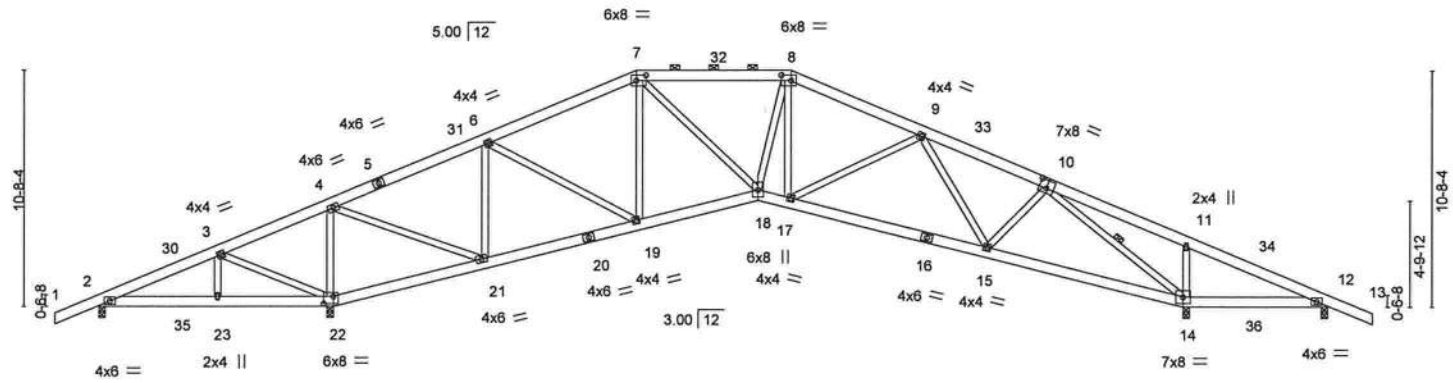
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE
2809652	T05	Piggyback Base	12	1	T24292173
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:14 2021 Page 1
ID:_oF2GWUvSqcflPiD7lyGsnzD_Qx-mT2rQAshGXcowevAcvqSYZxn5925Rl5?EKMsCqz7kzN

2-0-0	5-4-9	10-7-4	17-5-11	24-4-2	31-4-2	37-3-3	42-11-0	49-1-4	55-8-4	57-8-4
2-0-0	5-4-9	5-2-11	6-10-7	6-10-7	7-0-0	5-11-1	5-7-13	6-2-4	6-7-0	2-0-0

Scale = 1:100.5



5-4-9	10-5-8	10-7-4	17-5-11	24-4-2	29-10-4	31-4-2	40-2-11	49-1-4	49-3-0	55-8-4
5-4-9	5-0-15	0-1-12	6-10-7	6-10-7	5-6-2	1-5-14	8-10-9	8-10-9	0-1-12	6-5-4

Plate Offsets (X,Y)-- [7:0-5-4,0-3-0], [8:0-5-4,0-3-0], [10:0-4-0,0-4-8], [22:0-5-4,0-4-0]

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	0.41	Vert(LL)	-0.11	18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.23	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.13	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 405 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-7 oc purlins, except 2-0-0 oc purlins (5-1-9 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-14

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-163(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-179(LC 24), 22=-507(LC 12), 14=-442(LC 13), 12=-138(LC 23)
Max Grav All reactions 250 lb or less at joint(s) 2, 12 except 22=2365(LC 1), 14=1987(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-128/741, 3-4=-254/1245, 4-6=-762/203, 6-7=-1445/317, 7-8=-1786/375, 8-9=-1942/387, 9-10=-1694/423, 10-11=-66/915, 11-12=-129/923
BOT CHORD 2-23=-653/196, 22-23=-653/196, 21-22=-1205/381, 19-21=-127/673, 18-19=-120/1298, 17-18=-92/1770, 15-17=-198/1819, 14-15=-158/1170, 12-14=-777/182
WEBS 3-23=-262/229, 3-22=-508/493, 4-22=-1751/428, 4-21=-328/1917, 6-21=-998/249, 6-19=-81/717, 7-19=-362/93, 7-18=-105/781, 8-18=-60/258, 8-17=-78/326, 9-15=-485/111, 10-15=-15/600, 10-14=-2546/456, 11-14=-412/209

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 24-4-2, Exterior(2E) 24-4-2 to 31-4-2, Exterior(2R) 31-4-2 to 39-2-10, Interior(1) 39-2-10 to 57-8-4 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 2, 507 lb uplift at joint 22, 442 lb uplift at joint 14 and 138 lb uplift at joint 12.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:
June 11,2021

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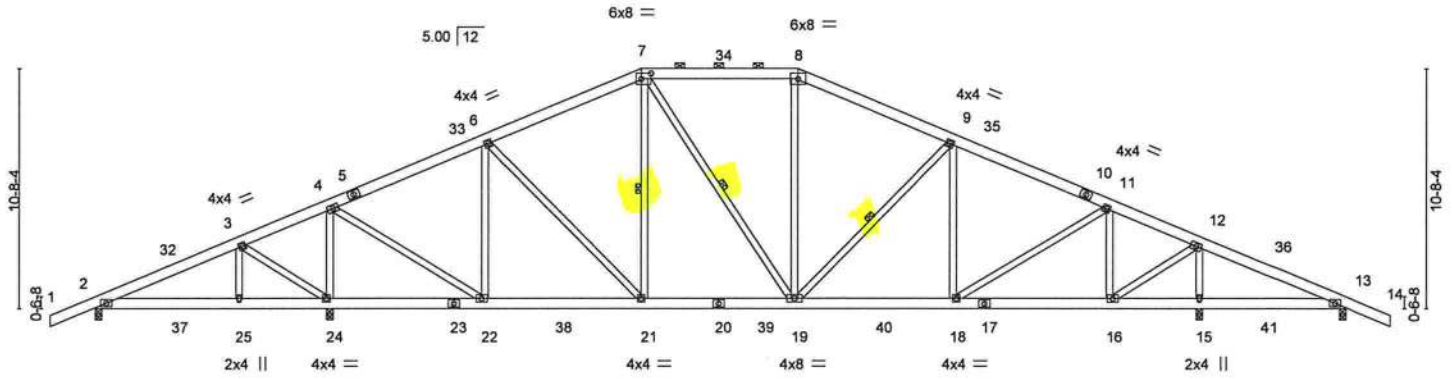
Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292174
2809652	T06	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:16 2021 Page 1
ID:_oF2GWUvSqcfIPiD7IyGsnzD_Qx-irAbrruyo9tWAy3ZkKswd_08pzkMvjHlieryGjz7kzL

2-0-0	6-5-4	10-5-8	17-4-13	24-4-2	31-4-2	38-3-7	45-2-12	49-3-0	55-8-4	57-8-4
2-0-0	6-5-4	4-0-4	6-11-5	6-11-5	7-0-0	6-11-5	6-11-5	4-0-4	6-5-4	2-0-0

Scale = 1:98.8



6-5-4	10-5-8	17-4-13	24-4-2	31-4-2	38-3-7	45-2-12	49-3-0	55-8-4
6-5-4	4-0-4	6-11-5	6-11-5	7-0-0	6-11-5	6-11-5	4-0-4	6-5-4

Plate Offsets (X,Y)-- [7:0-5-4,0-3-0]

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	0.26	Vert(LL)	-0.08	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.13	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	15	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 431 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-12 oc purlins, except
2-0-0 oc purlins (5-10-13 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-21, 7-19, 9-19

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=163(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-170(LC 8), 24=-451(LC 12), 15=-415(LC 13), 13=-125(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 13 except 2=393(LC 23), 24=2193(LC 2), 15=2067(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-189/255, 3-4=-94/415, 4-6=-1247/278, 6-7=-1477/370, 7-8=-1413/405, 8-9=-1592/401, 9-11=-1776/418, 11-12=-1130/290, 12-13=-55/495
BOT CHORD 22-24=-311/213, 21-22=-159/1099, 19-21=-117/1305, 18-19=-170/1590, 16-18=-116/1003, 15-16=-401/118, 13-15=-401/118
WEBS 3-25=-266/195, 3-24=-456/450, 4-24=-1726/397, 4-22=-302/1671, 6-22=-648/215, 6-21=-30/362, 7-19=-116/301, 8-19=-29/331, 9-19=-293/179, 11-18=-102/696, 11-16=-821/205, 12-16=-284/1701, 12-15=-1814/416

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 24-4-2, Exterior(2E) 24-4-2 to 31-4-2, Exterior(2R) 31-4-2 to 39-2-10, Interior(1) 39-2-10 to 57-8-4 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 4x6 MT20 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 2, 451 lb uplift at joint 24, 415 lb uplift at joint 15 and 125 lb uplift at joint 13.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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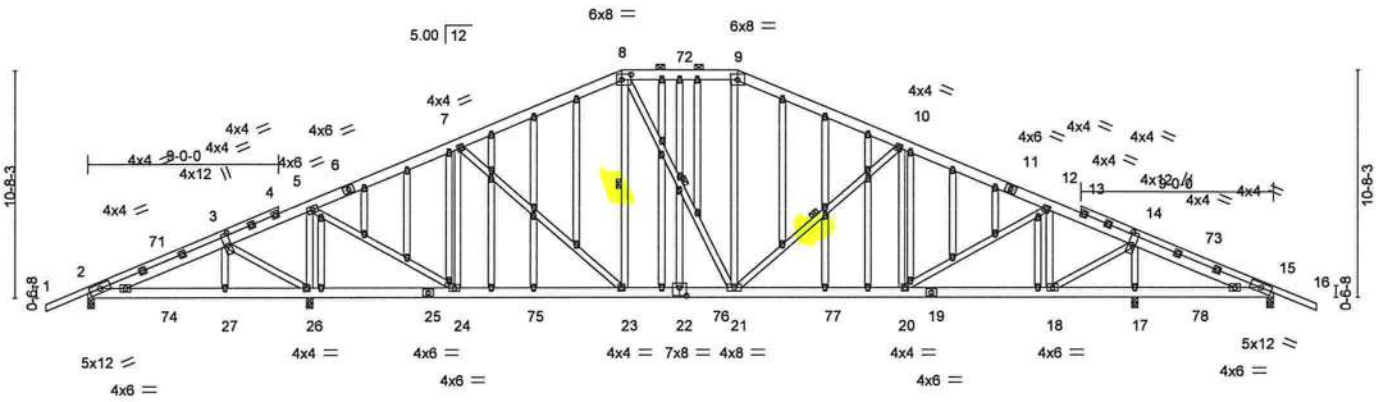
Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS CONST. - SPEC HSE	T24292175
2809652	T06G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s May 12 2021 MiTek Industries, Inc. Thu Jun 10 08:14:20 2021 Page 1
ID:_oF2GWUvSqcfIPiD7lyGsnzD_Qx-bcQ6hDxSrNNyeZNKzAxsnqBqja5krXeucGpAPUz7kzH

2-0-0	6-5-4	10-5-8	17-4-13	25-1-4	30-7-0	38-3-7	45-2-12	49-3-0	55-8-4	57-8-4
2-0-0	6-5-4	4-0-4	6-11-5	7-8-7	5-5-12	7-8-7	6-11-5	4-0-4	6-5-4	2-0-0

Scale = 1:104.3



6-5-4	10-5-8	17-4-13	25-1-4	30-7-0	38-3-7	45-2-12	49-3-0	55-8-4
6-5-4	4-0-4	6-11-5	7-8-7	5-5-12	7-8-7	6-11-5	4-0-4	6-5-4

Plate Offsets (X,Y)-- [3:0-7-0,0-2-0], [8:0-5-4,0-3-0], [14:0-7-0,0-2-0], [22:0-4-0,0-4-8], [24:0-1-11,0-1-0]

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	0.27	Vert(LL)	-0.09	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.16	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.03	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 602 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-4,13-16: 2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-4-15 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-9.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 8-23, 8-21, 10-21

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-162(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-173(LC 8), 26=-451(LC 12), 17=-422(LC 13), 15=-123(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 15 except 2=390(LC 23), 26=2187(LC 2), 17=2112(LC 2)

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

TOP CHORD	2-3=-155/266, 3-5=-101/457, 5-7=-1283/281, 7-8=-1489/369, 8-9=-1392/399, 9-10=-1576/391, 10-12=-1821/422, 12-14=-1116/287, 14-15=-67/586
BOT CHORD	24-26=-363/202, 23-24=-173/1134, 21-23=-118/1309, 20-21=-182/1634, 18-20=-131/1010, 17-18=-499/131, 15-17=-478/127
WEBS	3-27=-256/189, 3-26=-483/453, 5-26=-1716/397, 5-24=-303/1738, 7-24=-626/211, 7-23=-14/310, 8-21=-113/297, 9-21=-40/329, 10-21=-366/197, 12-20=-107/724, 12-18=-858/215, 14-18=-314/1807, 14-17=-1871/426

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -2-0-0 to 3-6-13, Interior(1) 3-6-13 to 25-1-4, Exterior(2E) 25-1-4 to 30-7-0, Exterior(2R) 30-7-0 to 38-3-7, Interior(1) 38-3-7 to 57-8-4 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
3) 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.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2, 451 lb uplift at joint 26, 422 lb uplift at joint 17 and 123 lb uplift at joint 15.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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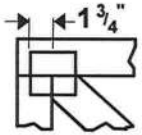
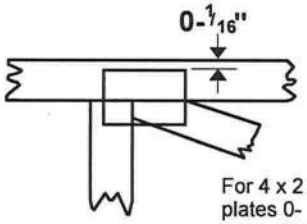
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

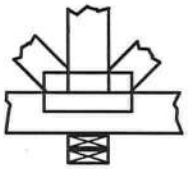
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

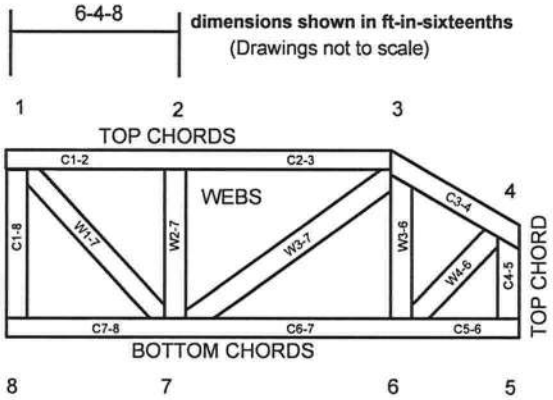


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

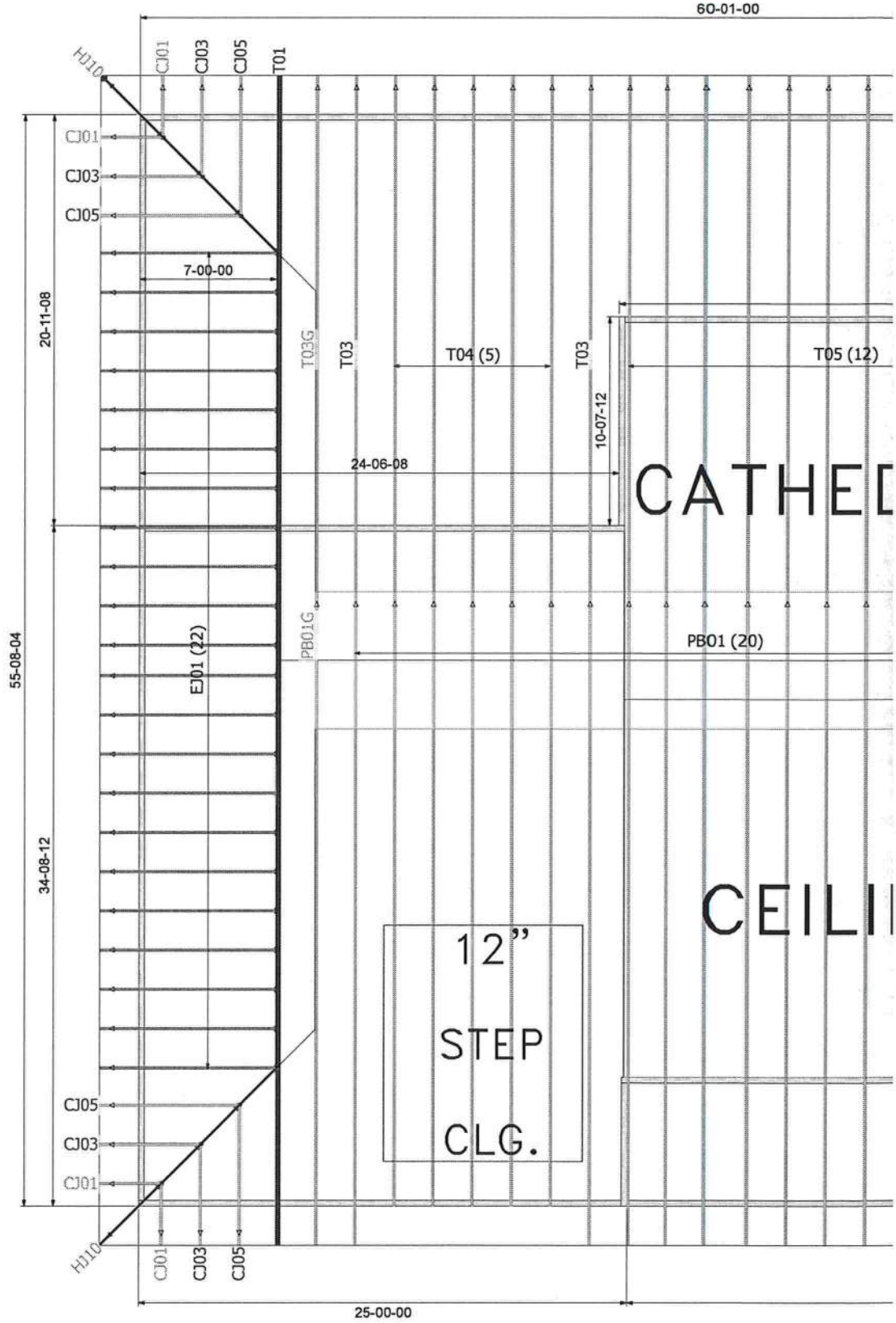
MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

5/12 PITCH – 2



MITEK PLATE APPROVAL #'S 2197.2–2197.4, BOISE EWP PRODUCT #'S LVL FL1644–R2, BCI J