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

RE: 3149141 - CORNERSTONE - LOT 12 SH

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

Site Information:
Customer Info: Cornerstone Project Name: Spec Hse Model: Heather
Lot/Block: 12 Subdivision: Stonehenge
Address: TBD, TBD
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:

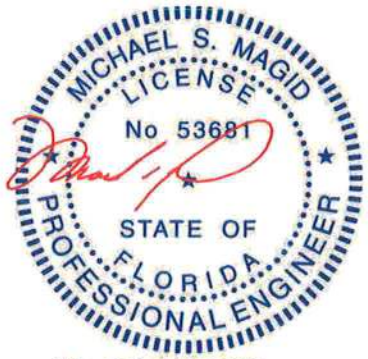
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 34 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	No.	Seal#	Truss Name	Date
1	T27470240	CJ01	4/19/22	23	T27470262	T16	4/19/22
2	T27470241	CJ03	4/19/22	24	T27470263	T17	4/19/22
3	T27470242	CJ05	4/19/22	25	T27470264	T18	4/19/22
4	T27470243	EJ01	4/19/22	26	T27470265	T19	4/19/22
5	T27470244	EJ02	4/19/22	27	T27470266	T20	4/19/22
6	T27470245	HJ10	4/19/22	28	T27470267	T21	4/19/22
7	T27470246	T01	4/19/22	29	T27470268	T22	4/19/22
8	T27470247	T01G	4/19/22	30	T27470269	T23	4/19/22
9	T27470248	T02	4/19/22	31	T27470270	T23G	4/19/22
10	T27470249	T03	4/19/22	32	T27470271	T24	4/19/22
11	T27470250	T04	4/19/22	33	T27470272	T25	4/19/22
12	T27470251	T05	4/19/22	34	T27470273	T25G	4/19/22
13	T27470252	T06	4/19/22				
14	T27470253	T07	4/19/22				
15	T27470254	T08	4/19/22				
16	T27470255	T09	4/19/22				
17	T27470256	T10	4/19/22				
18	T27470257	T11	4/19/22				
19	T27470258	T12	4/19/22				
20	T27470259	T13	4/19/22				
21	T27470260	T14	4/19/22				
22	T27470261	T15	4/19/22				

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: Magid, Michael
My license renewal date for the state of Florida is February 28, 2023.



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6904 Parke East Blvd. Tampa FL 33610
Date: April 19,2022

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

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470240
3149141	CJ01	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:40 2022 Page 1
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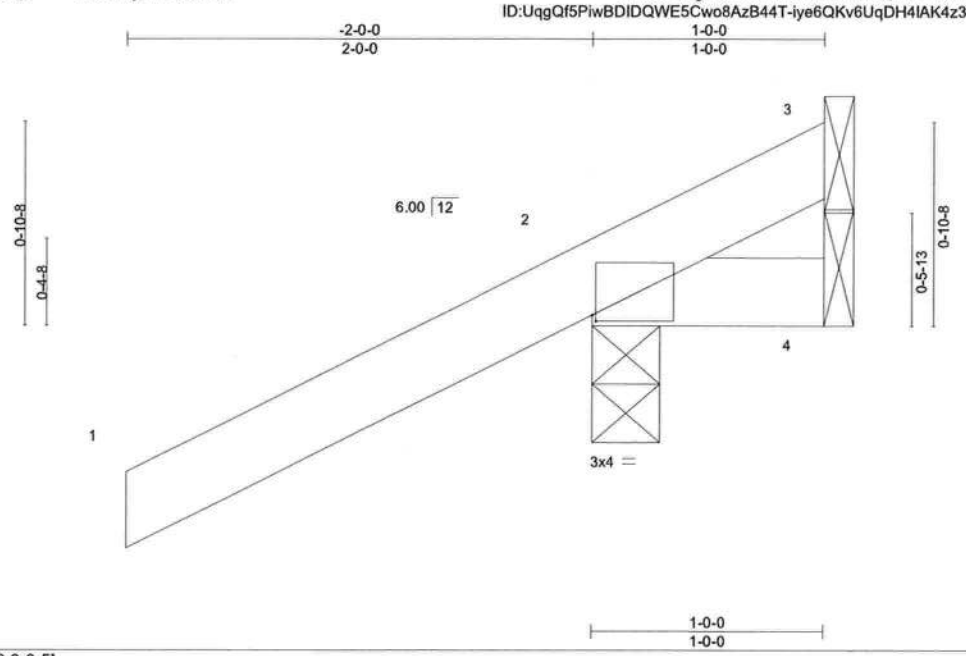


Plate Offsets (X,Y)-- [2:0-0-3,0-0-5]

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	0.25	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

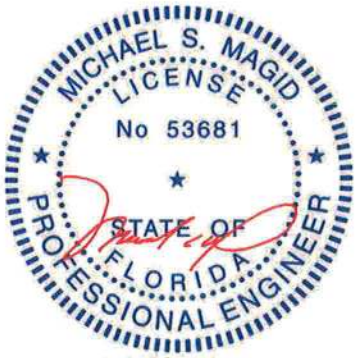
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 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=46(LC 12)
Max Uplift 3=-27(LC 1), 2=-102(LC 12), 4=-46(LC 1)
Max Grav 3=16(LC 16), 2=254(LC 1), 4=29(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;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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=102.



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April 19,2022

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470241
3149141	CJ03	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:41 2022 Page 1
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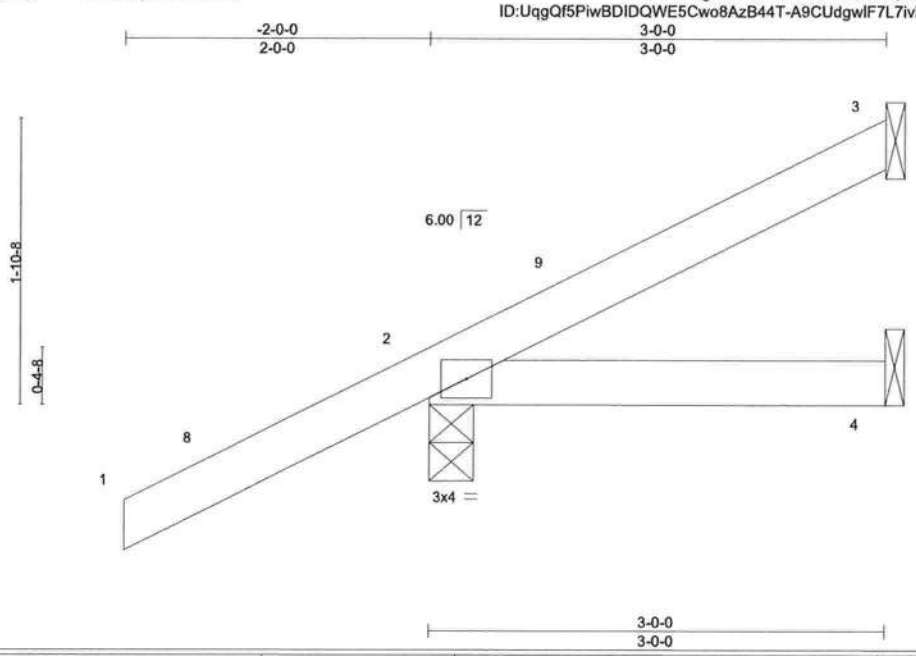

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 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 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=80(LC 12)
Max Uplift 3=-31(LC 12), 2=-76(LC 12)
Max Grav 3=52(LC 1), 2=253(LC 1), 4=48(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;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 100 lb uplift at joint(s) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470242
3149141	CJ05	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:41 2022 Page 1
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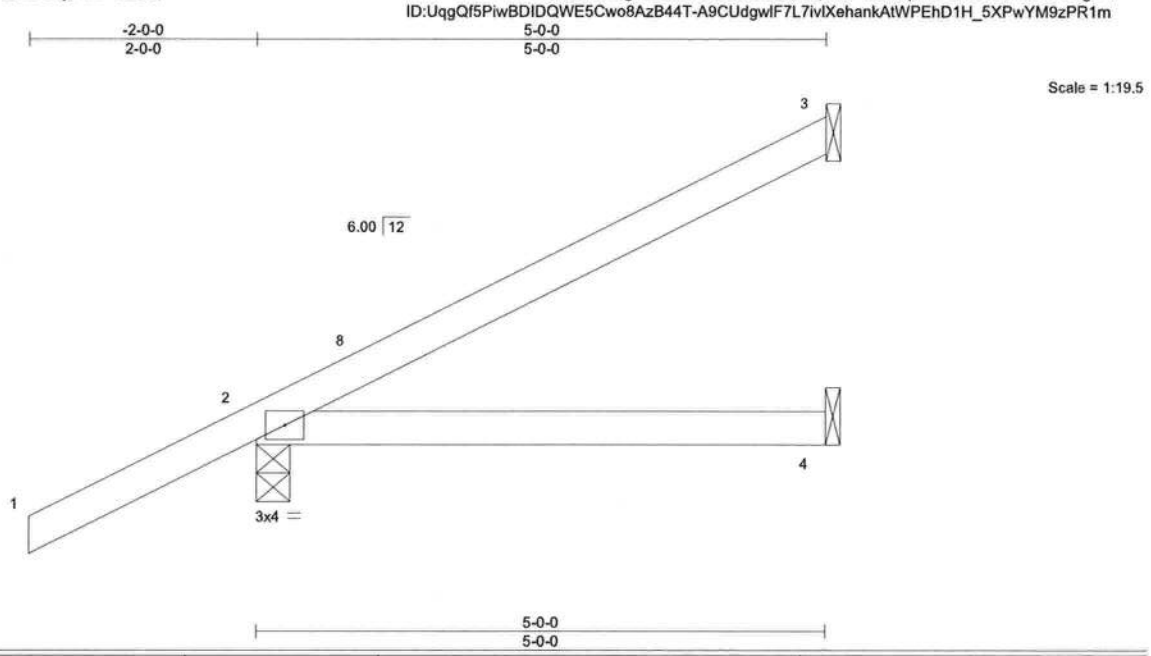

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 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 5-0-0 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=114(LC 12)
Max Uplift 3=-64(LC 12), 2=-80(LC 12)
Max Grav 3=108(LC 1), 2=313(LC 1), 4=87(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;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 100 lb uplift at joint(s) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH
3149141	EJ01	Jack-Partial	26	1	T27470243
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:42 2022 Page 1
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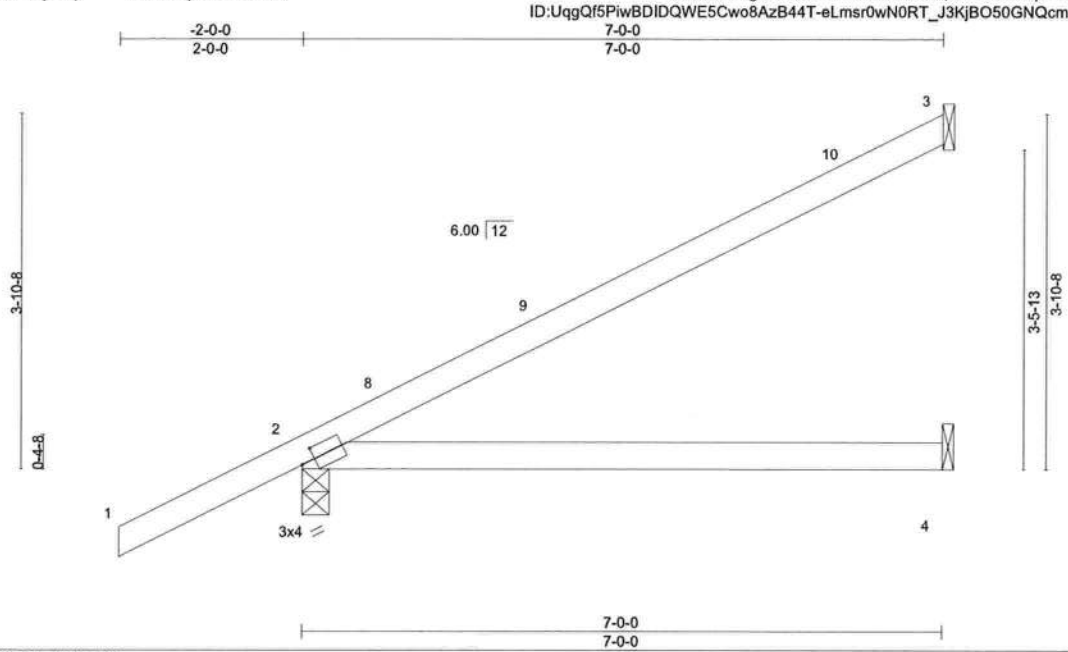

Plate Offsets (X,Y)-- [2:0-1-13,0-1-8]

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	0.60	Vert(LL)	0.10	4-7	>876	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>393	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 26 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=144(LC 12)
Max Uplift 3=-84(LC 12), 2=-90(LC 12)
Max Grav 3=160(LC 1), 2=380(LC 1), 4=125(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;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 100 lb uplift at joint(s) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	EJ02	Monopitch Girder	1	1	Job Reference (optional)	T27470244

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:43 2022 Page 1
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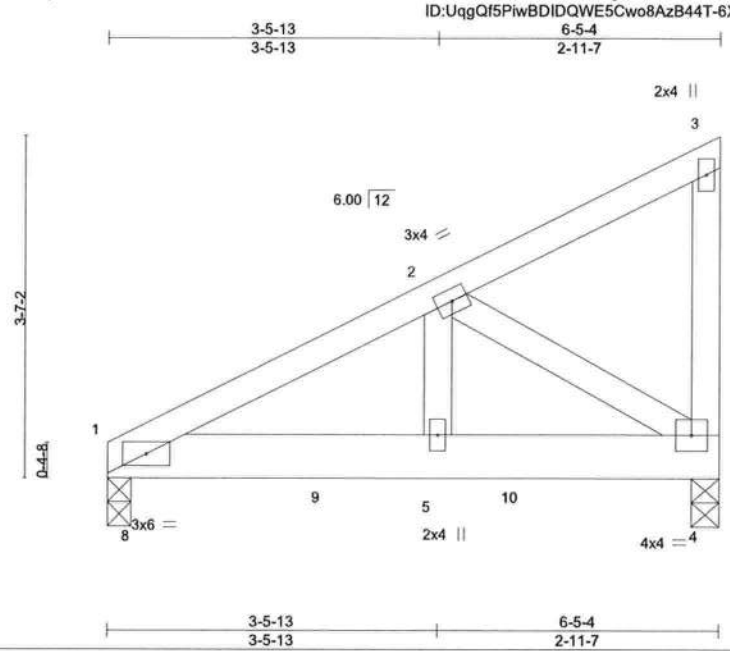

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.01	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.02	5-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 37 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-0, 4=0-3-8
Max Horz 1=108(LC 8)
Max Uplift 1=-227(LC 8), 4=-207(LC 8)
Max Grav 1=693(LC 1), 4=523(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-749/217
BOT CHORD 1-5=-265/659, 4-5=-265/659
WEBS 2-5=-198/539, 2-4=-773/310

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=227, 4=207.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 220 lb down and 103 lb up at 0-3-12, and 266 lb down and 121 lb up at 2-3-12, and 266 lb down and 121 lb up at 4-3-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-220(F) 9=-266(F) 10=-266(F)

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	HJ10	Diagonal Hip Girder	3	1	Job Reference (optional)	T27470245

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:43 2022 Page 1
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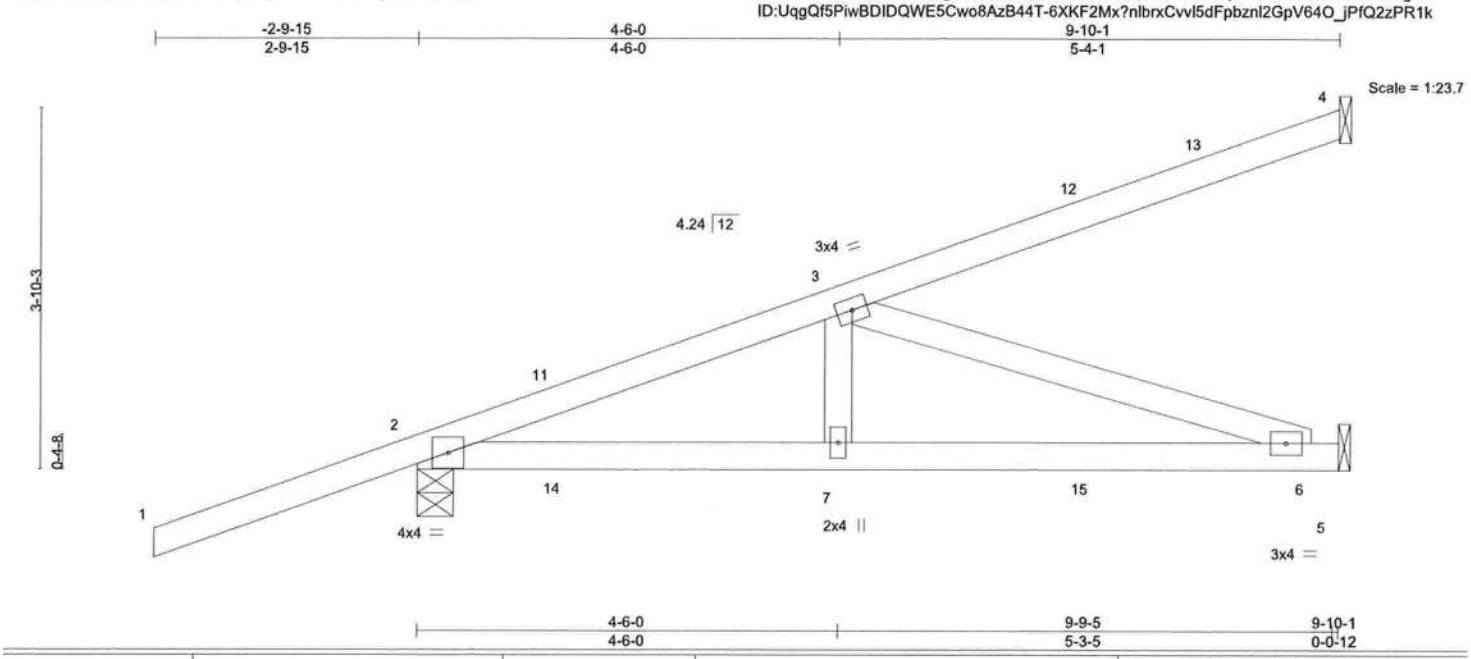

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.12	6-7	>967	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=160(LC 4)
Max Uplift 4=-79(LC 4), 2=-168(LC 4), 5=-43(LC 8)
Max Grav 4=150(LC 1), 2=463(LC 1), 5=266(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-672/142
BOT CHORD 2-7=-180/581, 6-7=-180/581
WEBS 3-6=-611/190

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; 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, 5 except (jt=lb) 2=168.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 103 lb up at 1-6-1, 56 lb down and 103 lb up at 1-6-1, 62 lb down and 33 lb up at 4-4-0, 62 lb down and 33 lb up at 4-4-0, and 41 lb down and 75 lb up at 7-1-15, and 41 lb down and 75 lb up at 7-1-15 on top chord, and 21 lb down and 74 lb up at 1-6-1, 21 lb down and 74 lb up at 1-6-1, 24 lb down and 2 lb up at 4-4-0, 24 lb down and 2 lb up at 4-4-0, and 42 lb down at 7-1-15, and 42 lb down 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=5(F=2, B=2) 11=50(F=25, B=25) 12=-64(F=-32, B=-32) 14=70(F=35, B=35) 15=-49(F=-24, B=-24)

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April 19,2022

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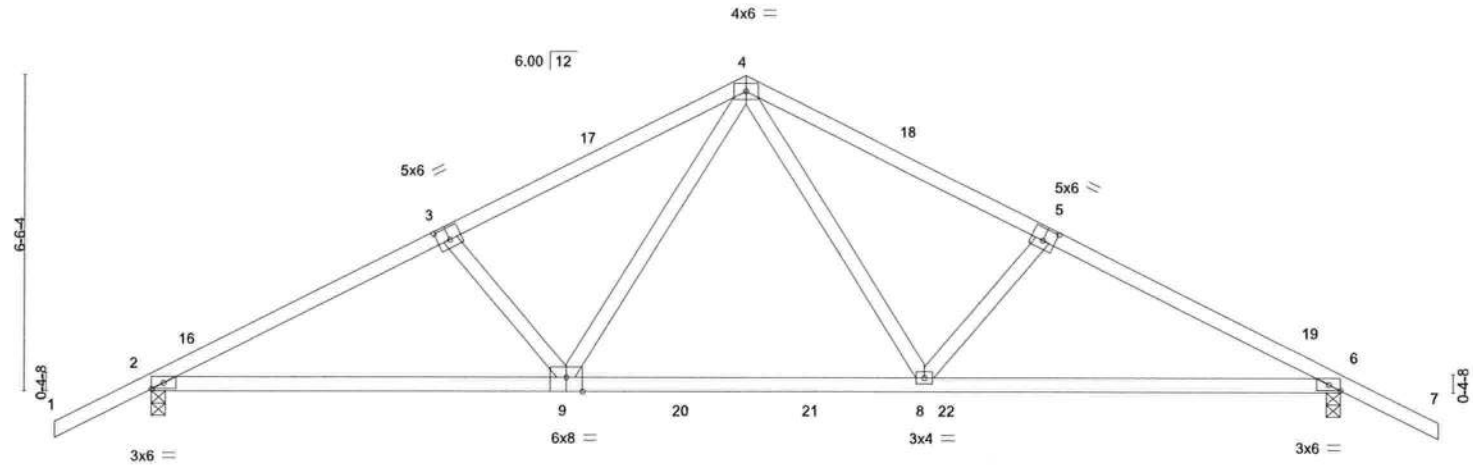
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T01	Common	8	1	Job Reference (optional)	T27470246

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:44 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-akudFhydY2jiZMU6Jp8UMoVzyRe3EZUXDN8CzUzPR1j

-2-0-0	6-2-0	12-3-8	18-5-0	24-7-0	26-7-0
2-0-0	6-2-0	6-1-8	6-1-8	6-2-0	2-0-0

Scale = 1:45.8



8-7-0	16-0-0	24-7-0
8-7-0	7-5-0	8-7-0

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [6:0-2-15,Edge], [9:0-4-0,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	0.56	Vert(LL)	-0.21	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.38	8-9	>775	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-106(LC 13)
Max Uplift 2=-295(LC 12), 6=-297(LC 13)
Max Grav 2=1280(LC 2), 6=1287(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2153/541, 3-4=-1988/528, 4-5=-2004/534, 5-6=-2169/546
BOT CHORD 2-9=-432/1910, 8-9=-201/1304, 6-8=-406/1898
WEBS 4-8=-215/891, 5-8=-321/201, 4-9=-207/861, 3-9=-321/200

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 1-0-0, Interior(1) 1-0-0 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 26-7-0 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=295, 6=297.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 9-10=-20, 9-22=-80(F=-60), 13-22=-20

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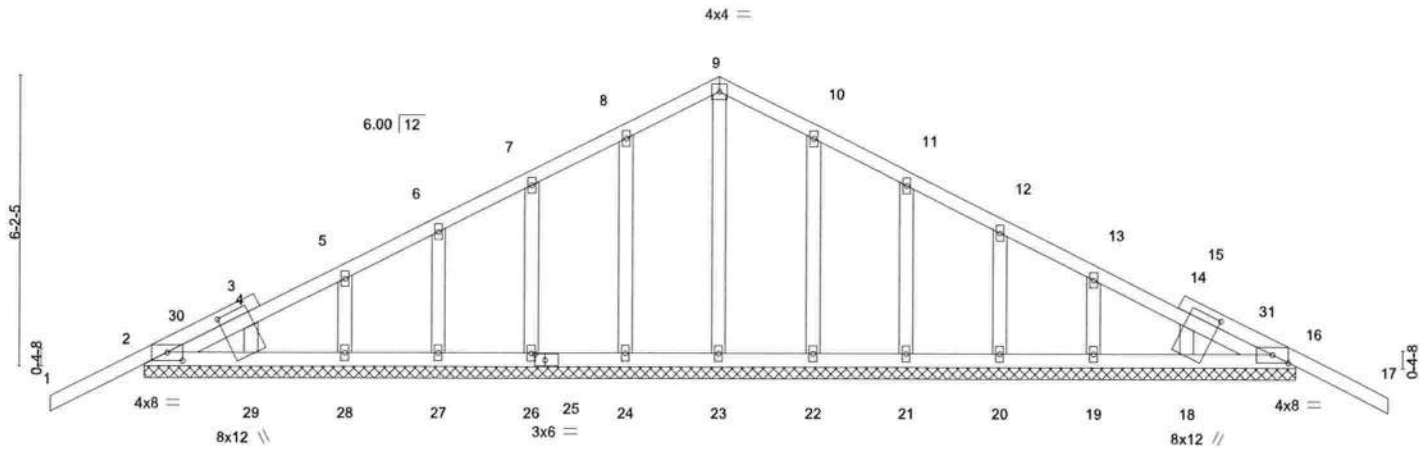
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470247
3149141	T01G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:45 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-2wR?T1zFIMrZAW3ItWfju02Dmr57z4ohS1umVxzPR1i

-2-0-0 / 2-0-0 | 12-3-8 / 12-3-8 | 24-7-0 / 12-3-8 | 26-7-0 / 2-0-0

Scale = 1:47.3



24-7-0 / 24-7-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [16:0-4-0,0-2-1], [18:0-1-13,1-3-5], [25:0-2-8,0-1-8], [29:0-1-13,1-3-5]

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	0.23	Vert(LL)	-0.02	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.03	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 138 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 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 24-7-0.
(lb) - Max Horz 2=-101(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18

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 Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 12-3-8, Corner(3R) 12-3-8 to 15-3-8, Exterior(2N) 15-3-8 to 26-7-0 zone;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) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18.

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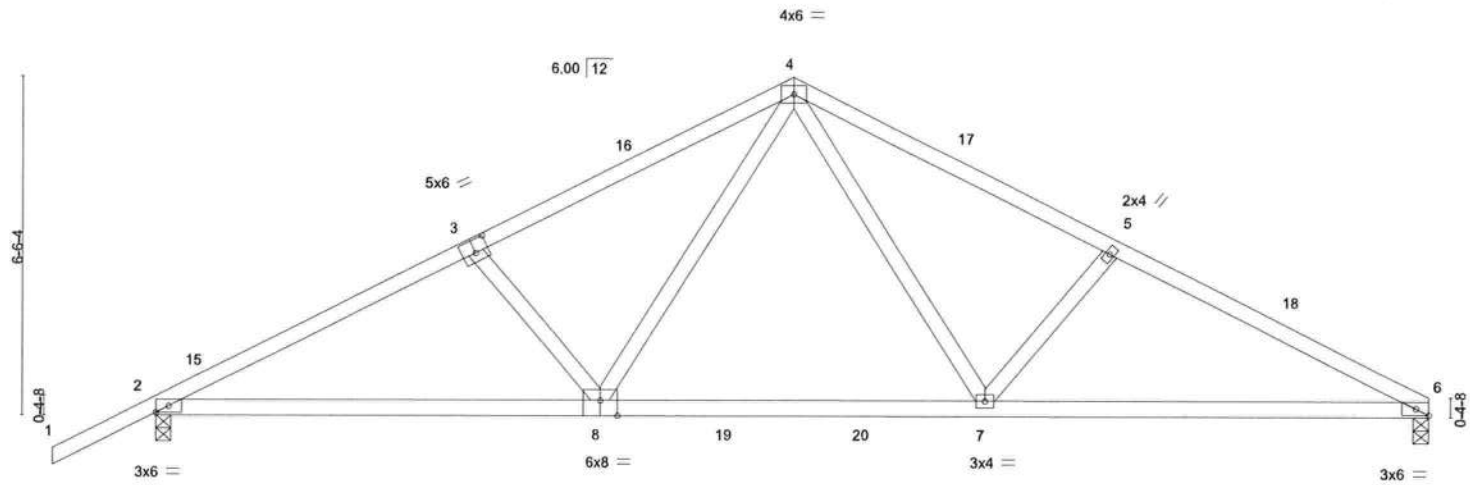
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T02	Common	4	1	Job Reference (optional)	T27470248

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:46 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-X6?NgN_t3gzQogdUQEAyRDbJZFKPiS1qhhdJ1NzPR1h

-2-0-0	6-2-0	12-3-8	18-5-0	24-7-0
2-0-0	6-2-0	6-1-8	6-1-8	6-2-0

Scale = 1:42.8



8-7-0	16-0-0	24-7-0
8-7-0	7-5-0	8-7-0

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-2-15,Edge], [8:0-4-0,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	0.55	Vert(LL)	-0.20	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.37	7-8	>788	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 113 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

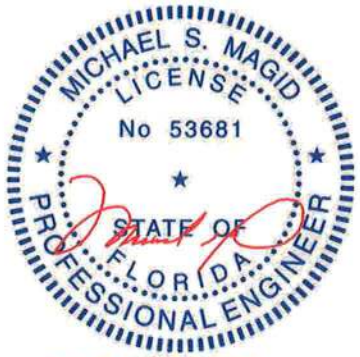
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=121(LC 16)
Max Uplift 6=-248(LC 13), 2=-293(LC 12)
Max Grav 6=1180(LC 2), 2=1275(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2143/545, 3-4=-1978/533, 4-5=-1991/545, 5-6=-2149/558
BOT CHORD 2-8=-443/1886, 7-8=-235/1280, 6-7=-439/1893
WEBS 4-7=-218/878, 5-7=-334/207, 4-8=-206/861, 3-8=-321/201

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 1-0-0, Interior(1) 1-0-0 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 24-7-0 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=248, 2=293.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 8-12=-20, 7-8=-80(F=-60), 7-9=-20



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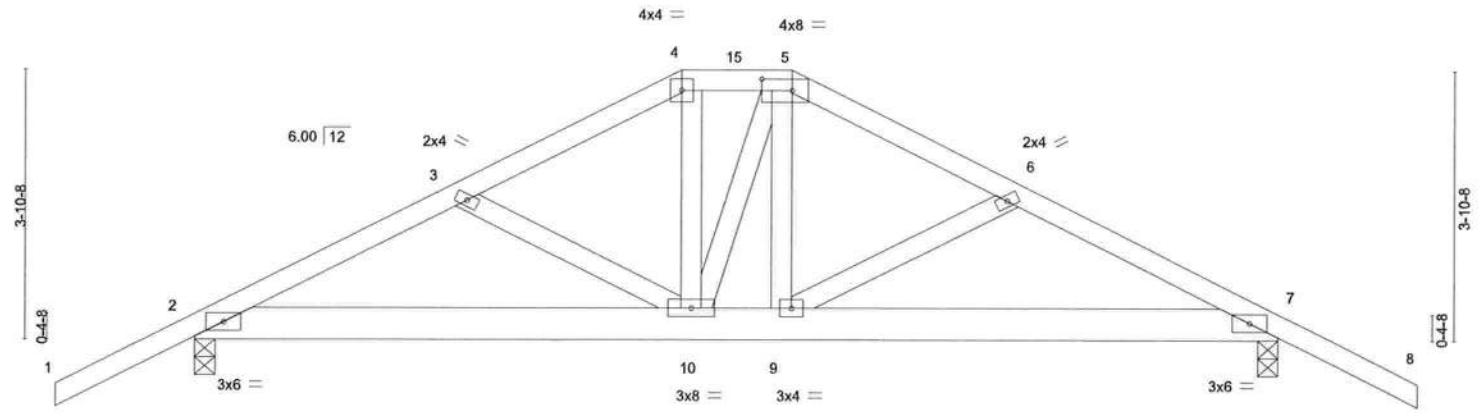
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T03	Hip Girder	1	1	Job Reference (optional)	T27470249

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:47 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-?JZluj_Wqz5HQqCg_xhBzR7XifhsRxLzvLNtapzPR1g

-2-0-0	3-10-15	7-0-0	8-7-0	11-8-1	15-7-0	17-7-0
2-0-0	3-10-15	3-1-1	1-7-0	3-1-1	3-10-15	2-0-0

Scale: 3/8"=1'



7-0-0	8-7-0	15-7-0
7-0-0	1-7-0	7-0-0

Plate Offsets (X,Y)-- [5:0-5-4,0-2-0]

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)	-0.04	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.09	9-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 94 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-67(LC 28)
Max Uplift 2=-293(LC 8), 7=-292(LC 9)
Max Grav 2=1108(LC 1), 7=1115(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1861/478, 3-4=-1682/422, 4-5=-1486/401, 5-6=-1689/434, 6-7=-1871/476
BOT CHORD 2-10=-420/1642, 9-10=-316/1489, 7-9=-361/1653
WEBS 4-10=-85/525, 5-9=-62/488

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; 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 100 lb uplift at joint(s) except (jt=lb) 2=293, 7=292.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 86 lb up at 7-0-0, and 227 lb down and 167 lb up at 8-7-0 on top chord, and 294 lb down and 70 lb up at 7-0-0, and 294 lb down and 70 lb up at 8-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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, 4-5=-54, 5-8=-54, 2-7=-20
Concentrated Loads (lb)
Vert: 4=-106(B) 5=-180(B) 10=-284(B) 9=-284(B)

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April 19,2022

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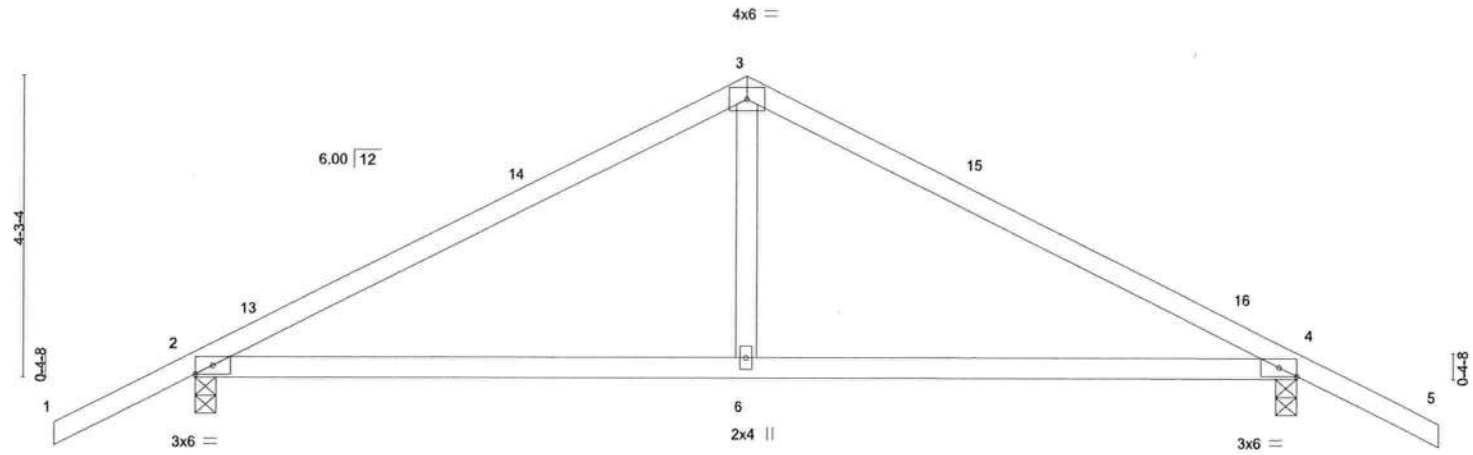
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T04	Common	4	1	Job Reference (optional)	T27470250

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:48 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-TV7753?8bHD81_ntYfCQWegc33_sAPc78?6Q6FzPR1f

-2-0-0 (2-0-0) | 7-9-8 (7-9-8) | 15-7-0 (7-9-8) | 17-7-0 (2-0-0)

Scale = 1:31.4



7-9-8 (7-9-8) | 15-7-0 (7-9-8)

Plate Offsets (X,Y)-- [4:0-2-15,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	0.68	Vert(LL)	-0.10	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.18	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 62 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 4-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-73(LC 13)
Max Uplift 2=-164(LC 12), 4=-164(LC 13)
Max Grav 2=685(LC 1), 4=685(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-791/253, 3-4=-791/253
BOT CHORD 2-6=-90/631, 4-6=-90/631
WEBS 3-6=0/356

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 1-0-0, Interior(1) 1-0-0 to 7-9-8, Exterior(2R) 7-9-8 to 10-9-8, Interior(1) 10-9-8 to 17-7-0 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) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=164, 4=164.

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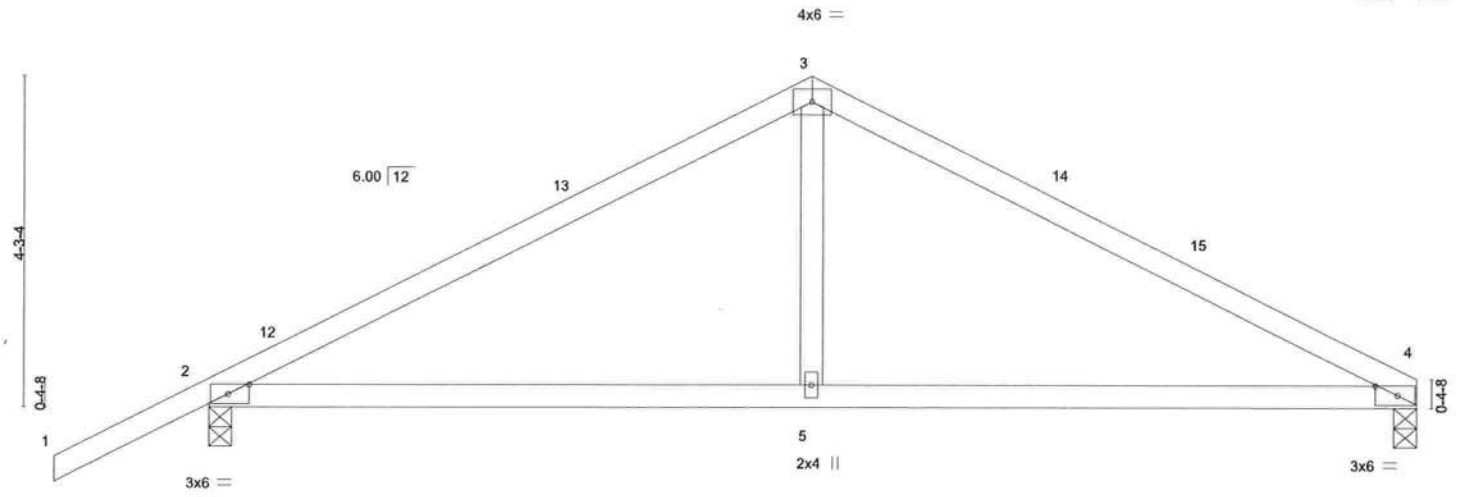
April 19,2022

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T05	Common	3	1	Job Reference (optional)	T27470251

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:49 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-xhhWJP0mMbL?f7M36Mkf3sDmvSKzvsqGNfszeizPR1e

-2-0-0 2-0-0 | 7-9-8 7-9-8 | 15-7-0 7-9-8

Scale = 1:28.7



7-9-8 7-9-8 | 15-7-0 7-9-8

Plate Offsets (X,Y)-- [2:0-3-5,Edge], [4:0-3-5,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	0.74	Vert(LL)	-0.13	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.22	5-8	>832	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 58 lb	FT = 20%

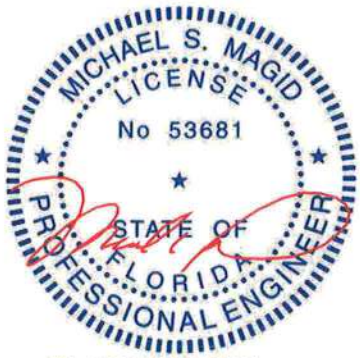
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=0-3-8
Max Horz 2=87(LC 16)
Max Uplift 4=-118(LC 13), 2=-165(LC 12)
Max Grav 4=570(LC 1), 2=692(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-813/267, 3-4=-810/277
BOT CHORD 2-5=-155/650, 4-5=-155/650
WEBS 3-5=-4/359

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 1-0-0, Interior(1) 1-0-0 to 7-9-8, Exterior(2R) 7-9-8 to 10-9-8, Interior(1) 10-9-8 to 15-7-0 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) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=118, 2=165.



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April 19,2022

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T06	Common Girder	1	2	Job Reference (optional)	T27470252

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:50 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-PuFuWI1O7uTsHHxFf4Fub3l12skieAvQbJbXA8zPR1d

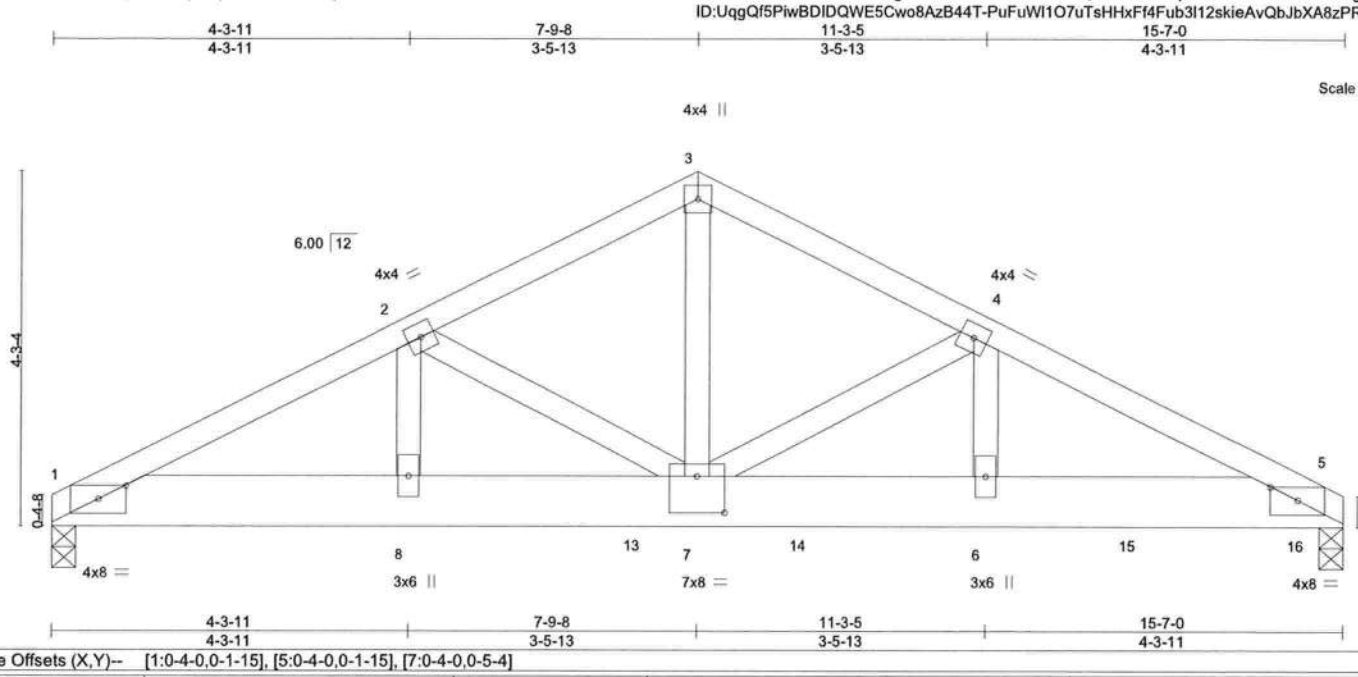

Plate Offsets (X,Y)-- [1:0-4-0,0-1-15], [5:0-4-0,0-1-15], [7:0-4-0,0-5-4]

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)	-0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 190 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=57(LC 27)
Max Uplift 1=-578(LC 8), 5=-964(LC 9)
Max Grav 1=2385(LC 1), 5=4174(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4891/1191, 2-3=-4522/1120, 3-4=-4523/1121, 4-5=-6269/1490
BOT CHORD 1-8=-1073/4332, 7-8=-1073/4332, 6-7=-1285/5581, 5-6=-1285/5581
WEBS 3-7=-923/3801, 4-7=-1828/467, 4-6=-316/1540, 2-7=-376/153

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-8-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 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; 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) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=578, 5=964.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1941 lb down and 533 lb up at 7-0-12, 870 lb down and 222 lb up at 9-0-12, 964 lb down and 217 lb up at 11-0-12, and 870 lb down and 206 lb up at 13-0-12, and 988 lb down and 195 lb up at 15-0-12 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

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 1-5=-20

Concentrated Loads (lb)

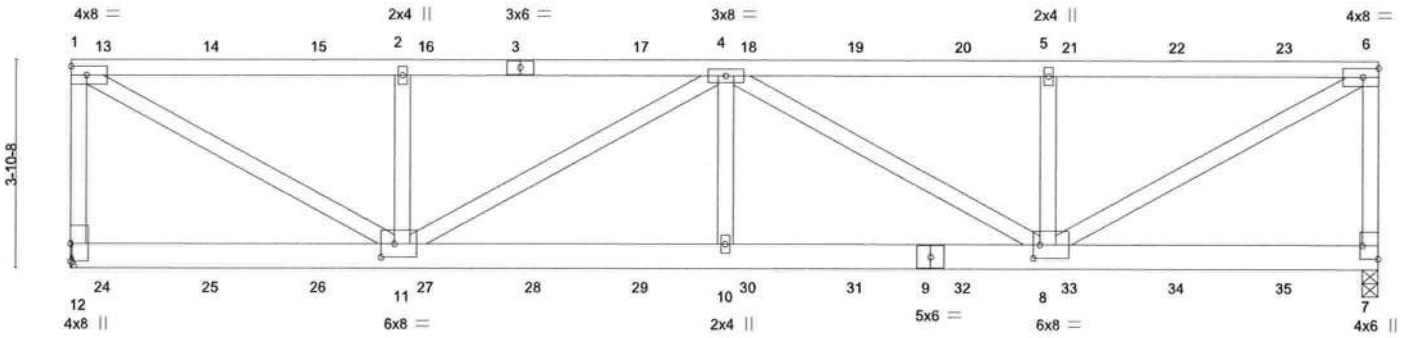
Vert: 6=-870(F) 13=-1941(F) 14=-870(F) 15=-870(F) 16=-876(F)

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T07	Flat Girder	1	1	Job Reference (optional)	T27470253

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:51 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-t4pGj510uCbjuRWSDnm78HI35G_BNdmZqzL4jazPR1c

6-1-15	12-2-1	18-2-4	24-4-2
6-1-15	6-0-3	6-0-3	6-1-15

Scale = 1:41.3



6-1-15	12-2-1	18-2-4	24-4-2
6-1-15	6-0-3	6-0-3	6-1-15

Plate Offsets (X,Y)-- [7:Edge,0-3-8], [8:0-1-8,0-3-0], [11:0-3-0,0-3-0]

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	0.95	Vert(LL)	-0.13	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.25	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 155 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
3-6: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
1-11,4-11,4-8,6-8: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing.

REACTIONS. (size) 12=Mechanical, 7=0-3-8
Max Uplift 12=-513(LC 4), 7=-484(LC 4)
Max Grav 12=1961(LC 1), 7=1845(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1792/545, 1-2=-2580/677, 2-4=-2580/677, 4-5=-2569/672, 5-6=-2569/672, 6-7=-1713/505
BOT CHORD 10-11=-883/3363, 8-10=-883/3363
WEBS 1-11=-762/2923, 2-11=-706/366, 4-11=-906/239, 4-10=0/478, 4-8=-919/244, 5-8=-696/360, 6-8=-754/2907

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; 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) 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.
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) except (jt=lb) 12=513, 7=484.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 121 lb down and 74 lb up at 0-7-4, 106 lb down and 73 lb up at 2-7-4, 106 lb down and 73 lb up at 4-7-4, 106 lb down and 73 lb up at 6-7-4, 106 lb down and 73 lb up at 8-7-4, 106 lb down and 73 lb up at 10-7-4, 106 lb down and 73 lb up at 12-7-4, 106 lb down and 73 lb up at 14-7-4, 106 lb down and 73 lb up at 16-7-4, 106 lb down and 73 lb up at 18-7-4, and 106 lb down and 73 lb up at 20-7-4, and 106 lb down and 73 lb up at 22-7-4 on top chord, and 96 lb down at 0-7-4, 85 lb down at 2-7-4, 85 lb down at 4-7-4, 85 lb down at 6-7-4, 85 lb down at 8-7-4, 85 lb down at 10-7-4, 85 lb down at 12-7-4, 85 lb down at 14-7-4, 85 lb down at 16-7-4, 85 lb down at 18-7-4, and 85 lb down at 20-7-4, and 85 lb down at 22-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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LOAD CASE(S) Standard

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LOAD CASE(S) Standard

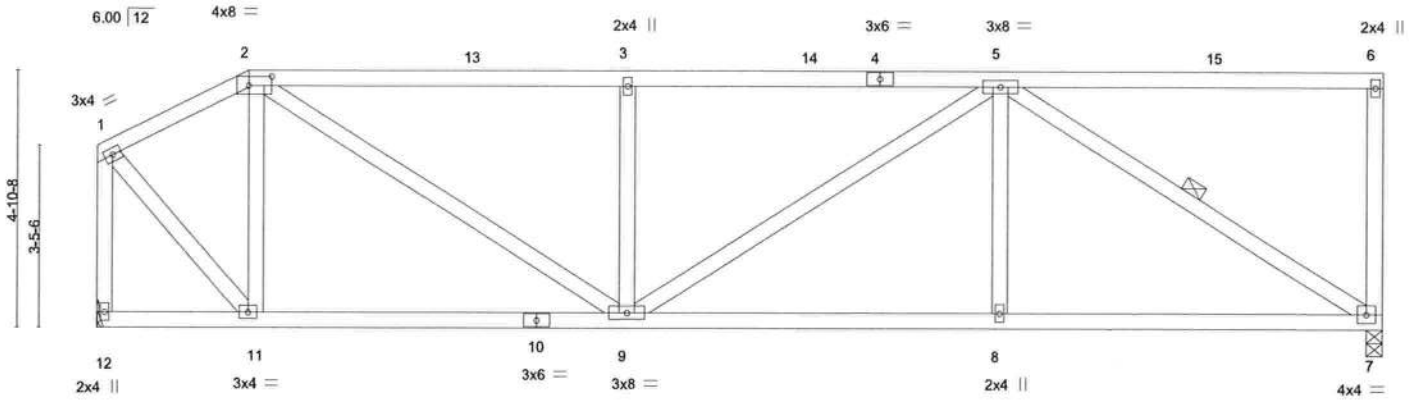
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 7-12=-20
   Concentrated Loads (lb)
   Vert: 3=-106(F) 13=-121(F) 14=-106(F) 15=-106(F) 16=-106(F) 17=-106(F) 18=-106(F) 19=-106(F) 20=-106(F) 21=-106(F) 22=-106(F) 23=-106(F) 24=-66(F) 25=-61(F) 26=-61(F) 27=-61(F) 28=-61(F) 29=-61(F) 30=-61(F) 31=-61(F) 32=-61(F) 33=-61(F) 34=-61(F) 35=-61(F)

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T08	Half Hip	1	1	Job Reference (optional)	T27470254

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:52 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-LGMexR2efWjaWb5enUHMgUrKagMr68Ui3d4dF1zPR1b

2-10-4	10-0-13	17-1-9	24-4-2
2-10-4	7-2-9	7-0-13	7-2-9

Scale = 1:42.1



2-10-4	10-0-13	17-1-9	24-4-2
2-10-4	7-2-9	7-0-13	7-2-9

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0]

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	0.52	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 145 lb	FT = 20%

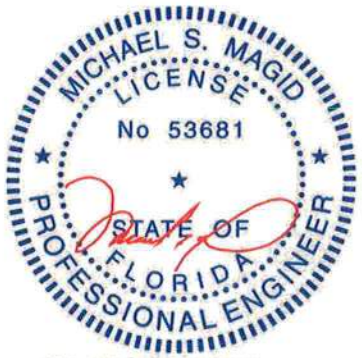
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS. (size) 7=0-3-8, 12=Mechanical
Max Horz 12=47(LC 12)
Max Uplift 7=-243(LC 9), 12=-202(LC 9)
Max Grav 7=890(LC 1), 12=890(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-600/149, 2-3=-1203/335, 3-5=-1203/335, 1-12=-883/203
BOT CHORD 9-11=-147/505, 8-9=-286/1042, 7-8=-286/1042
WEBS 2-11=-463/171, 2-9=-234/827, 3-9=-406/196, 5-8=0/304, 5-7=-1211/332, 1-11=-180/778

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) 0-1-12 to 2-10-4, Exterior(2R) 2-10-4 to 7-1-3, Interior(1) 7-1-3 to 24-2-6 zone;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) 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.
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) except (jt=lb) 7=243, 12=202.



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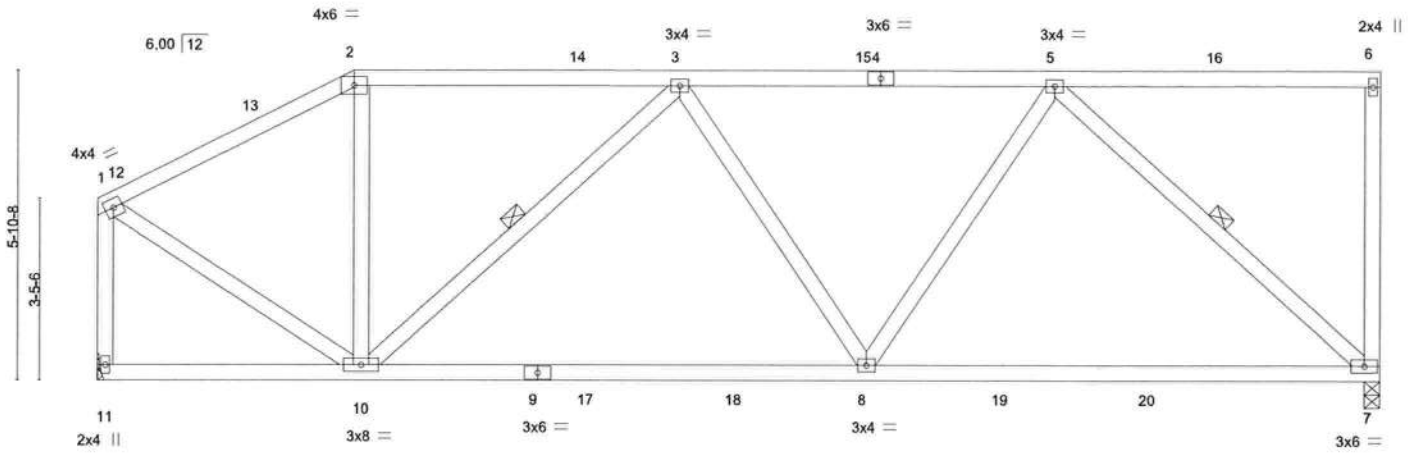
April 19,2022

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470255
3149141	T09	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:53 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-pTw08m3GQprR8lgqLCobDhNWq4hwrccslHqBnTzPR1a

4-10-4	11-0-7	18-1-15	24-4-2
4-10-4	6-2-3	7-1-7	6-2-3

Scale = 1:42.1



4-10-4	14-7-3	24-4-2
4-10-4	9-8-15	9-9-0

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	0.48	Vert(LL)	-0.22	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.38	7-8	>769	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-9: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 5-7

REACTIONS. (size) 7=0-3-8, 11=Mechanical
Max Horz 11=82(LC 12)
Max Uplift 7=-244(LC 9), 11=-197(LC 12)
Max Grav 7=1001(LC 2), 11=984(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-859/180, 2-3=-732/194, 3-5=-1093/233, 1-11=-937/204
BOT CHORD 8-10=-286/1084, 7-8=-222/821
WEBS 3-10=-505/167, 5-8=-60/505, 5-7=-1085/300, 1-10=-147/857

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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-10-4, Exterior(2R) 4-10-4 to 9-1-3, Interior(1) 9-1-3 to 24-2-6 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) 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=244, 11=197.

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April 19,2022

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470256
3149141	T10	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:54 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-IfUPM64vB7_HlvF1uvJqmvwfsT4Ha5_?WxZkJvzPR1Z

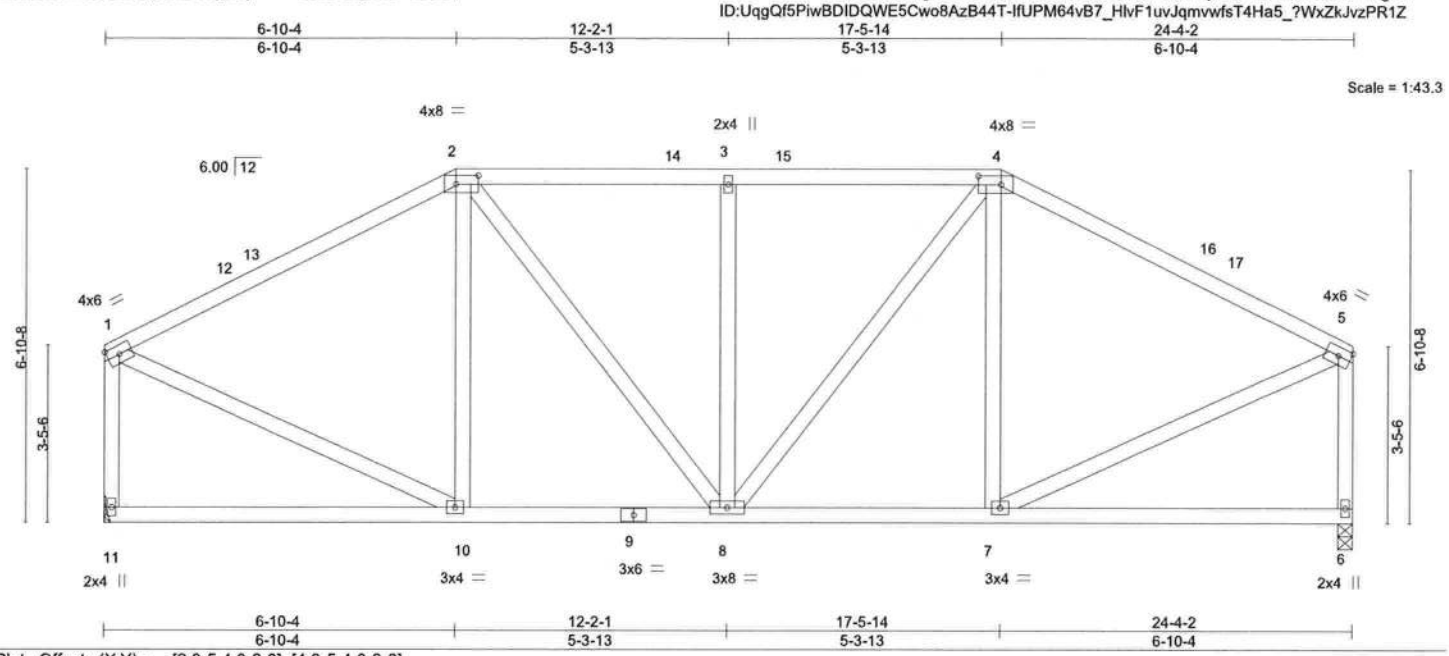

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [4:0-5-4,0-2-0]

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	0.59	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.13	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 157 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 4-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=Mechanical, 6=0-3-8
Max Horz 11=50(LC 12)
Max Uplift 11=-186(LC 12), 6=-186(LC 13)
Max Grav 11=890(LC 1), 6=890(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-850/199, 2-3=-836/245, 3-4=-836/245, 4-5=-850/199, 1-11=-826/205, 5-6=-826/205
BOT CHORD 8-10=-148/684, 7-8=-113/684
WEBS 2-8=-108/308, 3-8=-311/155, 4-8=-108/308, 1-10=-116/709, 5-7=-116/709

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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-10-4, Exterior(2R) 6-10-4 to 11-1-3, Interior(1) 11-1-3 to 17-5-14, Exterior(2R) 17-5-14 to 21-8-13, Interior(1) 21-8-13 to 24-2-6 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) 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=186, 6=186.

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Date:

April 19,2022

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470257
3149141	T11	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:54 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-IfUPM64vB7_HlvF1uvJqmvwfnTzpa_U?WxZkJvzPR1Z

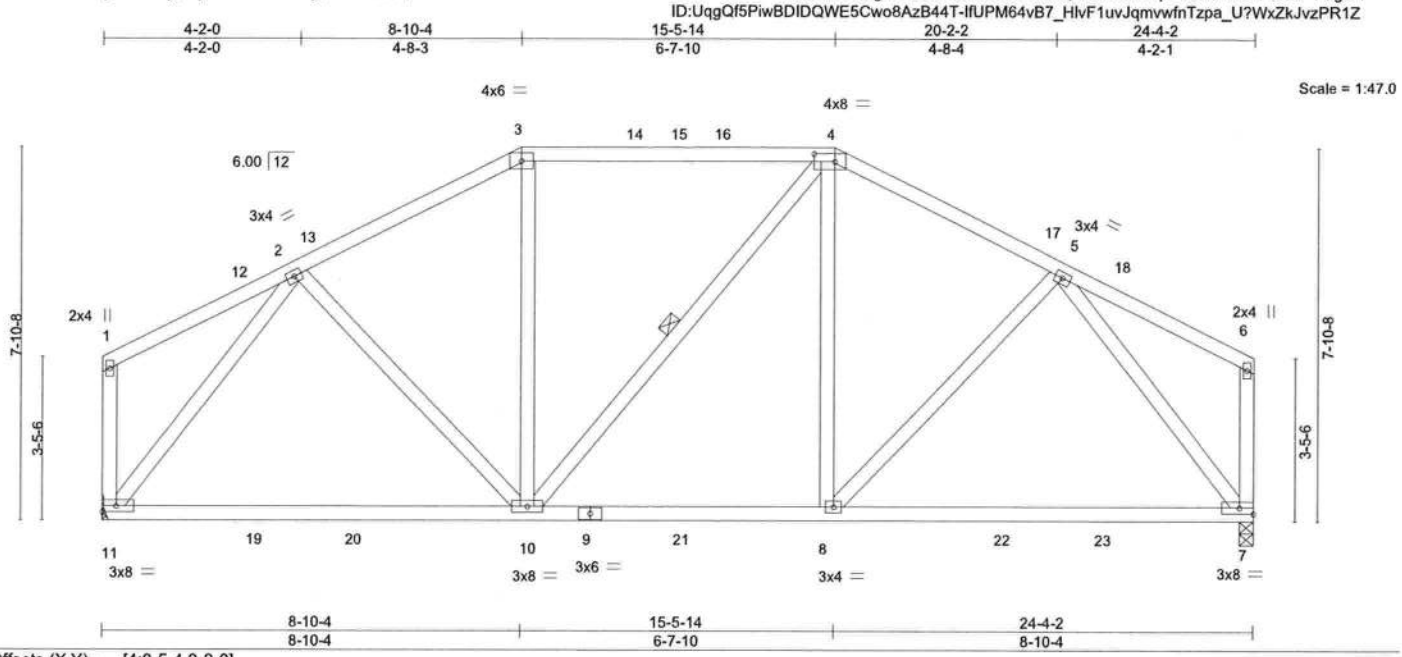

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0]

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	0.60	Vert(LL)	-0.25	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.43	10-11	>671	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 159 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 5-6-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. (size) 11=Mechanical, 7=0-3-8
Max Horz 11=65(LC 12)
Max Uplift 11=-181(LC 12), 7=-181(LC 13)
Max Grav 11=1002(LC 2), 7=1009(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-917/228, 3-4=-781/231, 4-5=-926/228
BOT CHORD 10-11=-180/610, 8-10=-101/789, 7-8=-124/615
WEBS 2-10=-34/292, 5-8=-34/296, 2-11=-929/211, 5-7=-938/211

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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-10-4, Exterior(2R) 8-10-4 to 13-1-3, Interior(1) 13-1-3 to 15-5-14, Exterior(2R) 15-5-14 to 19-8-13, Interior(1) 19-8-13 to 24-2-6 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) 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=181, 7=181.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH
3149141	T12	Hip	1	1	T27470258
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:55 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-mr2nZS5XyR68N2qDSdq3I6SuetNRJXR9lbJlsLzPR1Y

-2-0-0	6-3-8	11-3-8	17-0-0	19-7-10	24-11-0	30-5-14
2-0-0	6-3-8	5-0-0	5-8-8	2-7-10	5-3-6	5-6-14

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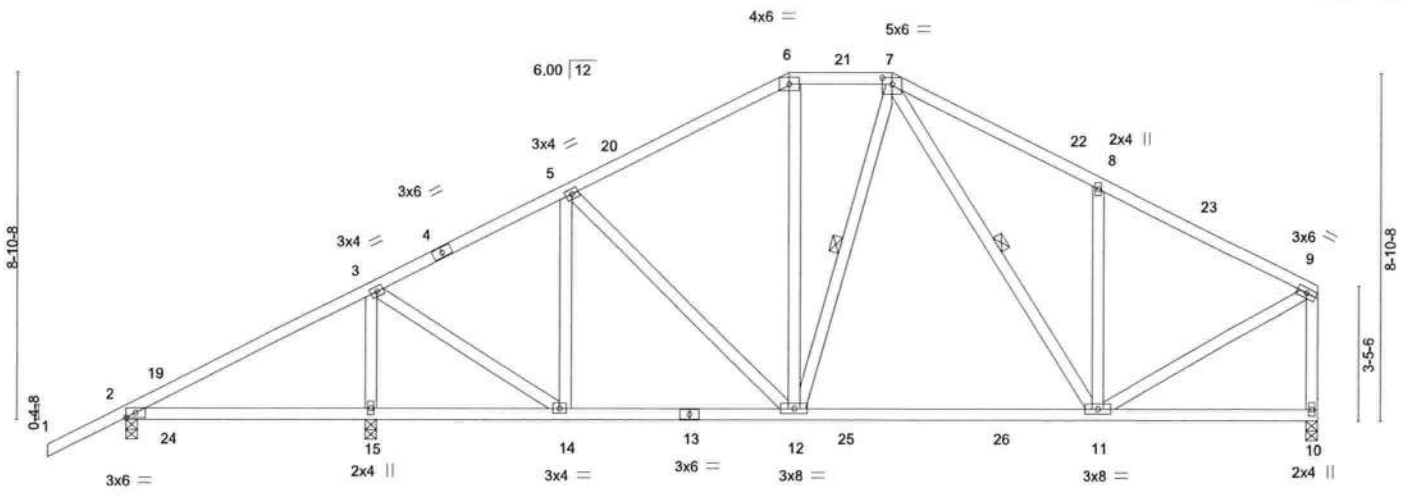

6-3-8	11-3-8	17-0-0	24-11-0	30-5-14
6-3-8	5-0-0	5-8-8	7-11-0	5-6-14

Plate Offsets (X,Y)-- [7:0-3-0,0-2-0]

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	0.34	Vert(LL)	0.09	15-18	>873	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.23	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 193 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-12, 7-11

REACTIONS. (size) 2=0-3-8, 15=0-3-8, 10=0-3-8
Max Horz 2=218(LC 12)
Max Uplift 2=-78(LC 8), 15=-292(LC 12), 10=-181(LC 13)
Max Grav 2=321(LC 23), 15=1284(LC 2), 10=970(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-784/179, 5-6=-835/228, 6-7=-695/238, 7-8=-894/293, 8-9=-879/184, 9-10=-905/196
BOT CHORD 12-14=-162/654, 11-12=-85/667
WEBS 3-15=-1046/310, 3-14=-125/812, 5-14=-315/102, 8-11=-335/216, 9-11=-130/844

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 1-0-9, Interior(1) 1-0-9 to 17-0-0, Exterior(2E) 17-0-0 to 19-7-10, Exterior(2R) 19-7-10 to 23-11-6, Interior(1) 23-11-6 to 30-4-2 zone; porch left 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 15=292, 10=181.

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April 19,2022

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T13	Common	3	1	Job Reference (optional)	T27470259

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:56 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-E1c9no59jkE??COP0KMlrK?1pHkQ2_YI_F2rOozPR1X

-2-0-0	6-3-8	11-3-8	18-3-13	25-4-2	30-5-14
2-0-0	6-3-8	5-0-0	7-0-5	7-0-5	5-1-12

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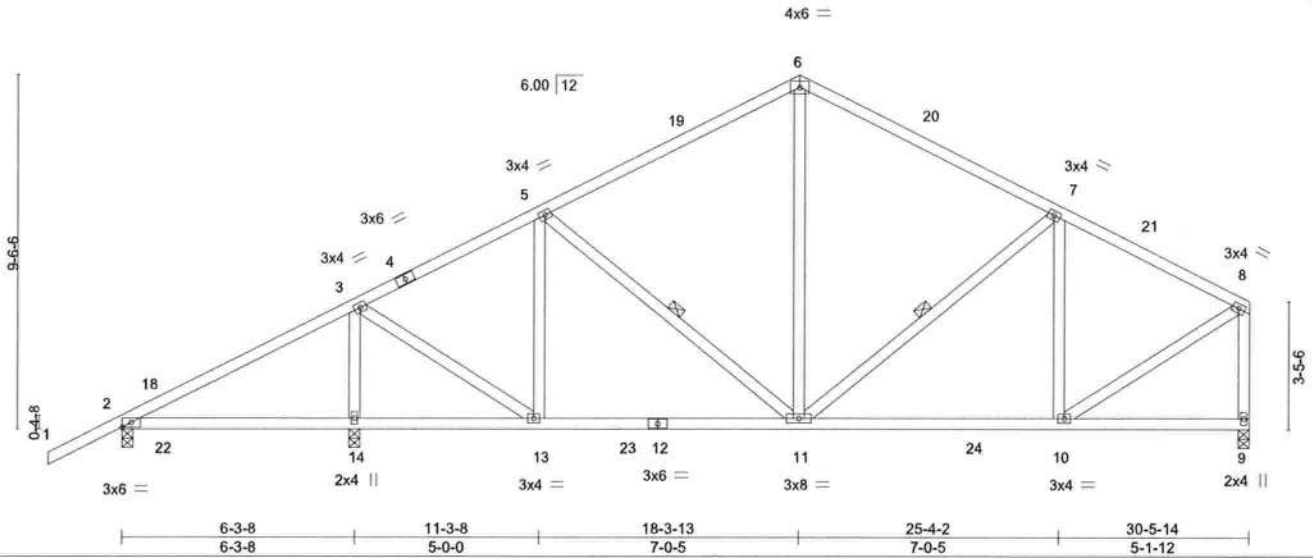

6-3-8	11-3-8	18-3-13	25-4-2	30-5-14
6-3-8	5-0-0	7-0-5	7-0-5	5-1-12

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	0.50	Vert(LL)	0.09	14-17	>861	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 181 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 5-7-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-11, 7-11

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 9=0-3-8
Max Horz 2=227(LC 12)
Max Uplift 2=-80(LC 8), 14=-294(LC 12), 9=-177(LC 13)
Max Grav 2=319(LC 23), 14=1307(LC 2), 9=967(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-802/177, 5-6=-799/230, 6-7=-800/234, 7-8=-848/182, 8-9=-901/196
BOT CHORD 11-13=-170/681, 10-11=-122/727
WEBS 3-14=-1086/310, 3-13=-137/866, 5-13=-310/115, 6-11=-50/366, 7-10=-286/117, 8-10=-139/847

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 1-0-9, Interior(1) 1-0-9 to 18-3-13, Exterior(2R) 18-3-13 to 21-4-6, Interior(1) 21-4-6 to 30-4-2 zone; porch left 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 14=294, 9=177.

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April 19,2022

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T14	Common	2	1	Job Reference (optional)	T27470260

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:57 2022 Page 1
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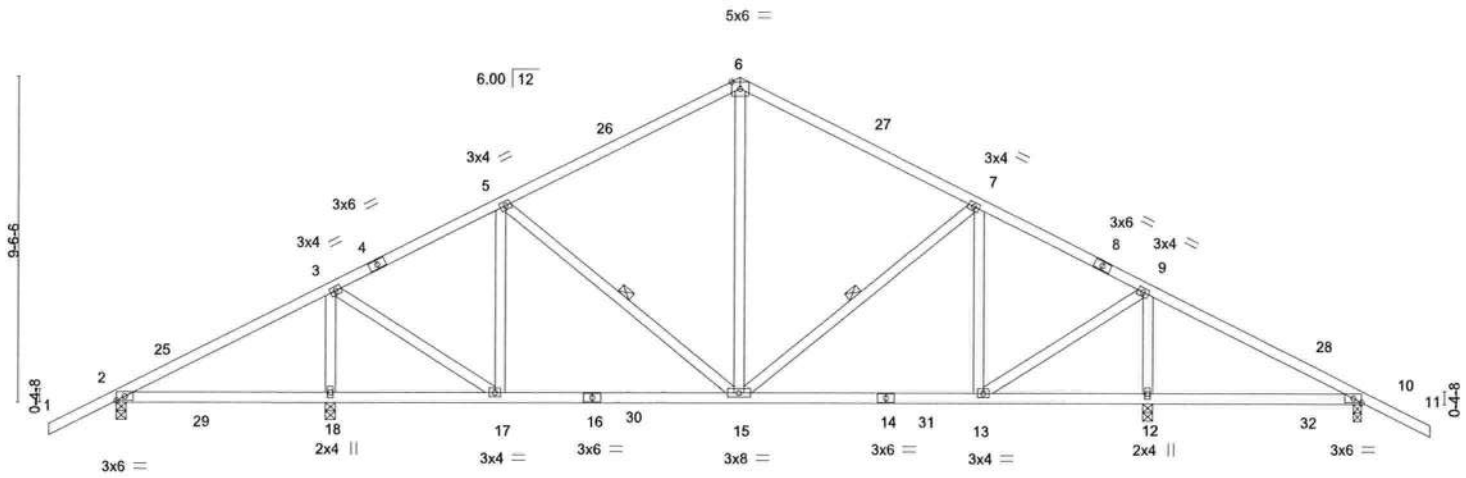
-2-0-0	6-3-8	11-3-8	18-3-13	25-4-2	30-4-2	36-7-10	38-7-10
2-0-0	6-3-8	5-0-0	7-0-5	7-0-5	5-0-0	6-3-8	2-0-0

Scale = 1:65.1



6-3-8	11-3-8	18-3-13	25-4-2	30-4-2	36-7-10
6-3-8	5-0-0	7-0-5	7-0-5	5-0-0	6-3-8

Plate Offsets (X,Y)-- [10:0-2-15,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	0.50	Vert(LL)	0.09	12-24	>866	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.12	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 203 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 5-8-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-15, 5-15

REACTIONS. All bearings 0-3-8 except (jt=length) 10=0-3-0.
(lb) - Max Horz 2=-151(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-102(LC 8), 12=-234(LC 13), 18=-273(LC 12), 10=-113(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=319(LC 23), 12=1288(LC 2), 18=1288(LC 2), 10=319(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-784/216, 5-6=-774/259, 6-7=-774/262, 7-9=-784/222
BOT CHORD 15-17=-114/693, 13-15=-40/659
WEBS 6-15=-69/345, 7-13=-302/91, 9-13=-86/846, 9-12=-1067/251, 5-17=-302/103, 3-17=-115/846, 3-18=-1067/289

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 1-7-15, Interior(1) 1-7-15 to 18-3-13, Exterior(2R) 18-3-13 to 21-11-12, Interior(1) 21-11-12 to 38-7-10 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 234 lb uplift at joint 12, 273 lb uplift at joint 18 and 113 lb uplift at joint 10.

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T15	Common	3	1	Job Reference (optional)	T27470261

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:11:59 2022 Page 1
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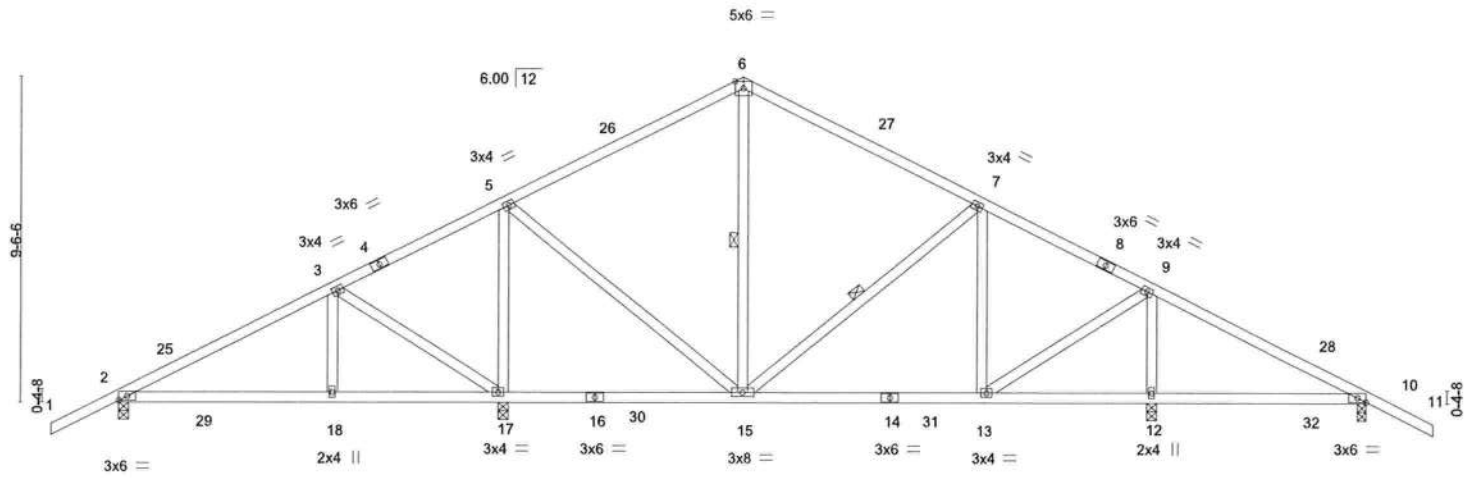
-2-0-0	6-3-8	11-3-8	18-3-13	25-4-2	30-4-2	36-7-10	38-7-10
2-0-0	6-3-8	5-0-0	7-0-5	7-0-5	5-0-0	6-3-8	2-0-0

Scale = 1:65.1



6-3-8	11-3-8	18-3-13	25-4-2	30-4-2	36-7-10
6-3-8	5-0-0	7-0-5	7-0-5	5-0-0	6-3-8

Plate Offsets (X,Y)-- [10:0-2-15,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	0.49	Vert(LL)	0.09	12-24	>860	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.11	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 203 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 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-15, 7-15

REACTIONS. All bearings 0-3-8 except (jt=length) 10=0-3-0.
(lb) - Max Horz 2=-151(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-114(LC 12), 17=-284(LC 12), 12=-204(LC 13), 10=-118(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=476(LC 23), 17=1346(LC 2), 12=1013(LC 2), 10=339(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-395/314, 5-6=-448/209, 6-7=-448/185, 7-9=-591/195
BOT CHORD 2-18=-194/355, 17-18=-194/355, 13-15=0/486
WEBS 3-18=-292/230, 3-17=-473/459, 5-17=-859/262, 5-15=-104/566, 9-13=-46/571, 9-12=-795/222

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 1-7-15, Interior(1) 1-7-15 to 18-3-13, Exterior(2R) 18-3-13 to 21-11-12, Interior(1) 21-11-12 to 38-7-10 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 2, 284 lb uplift at joint 17, 204 lb uplift at joint 12 and 118 lb uplift at joint 10.

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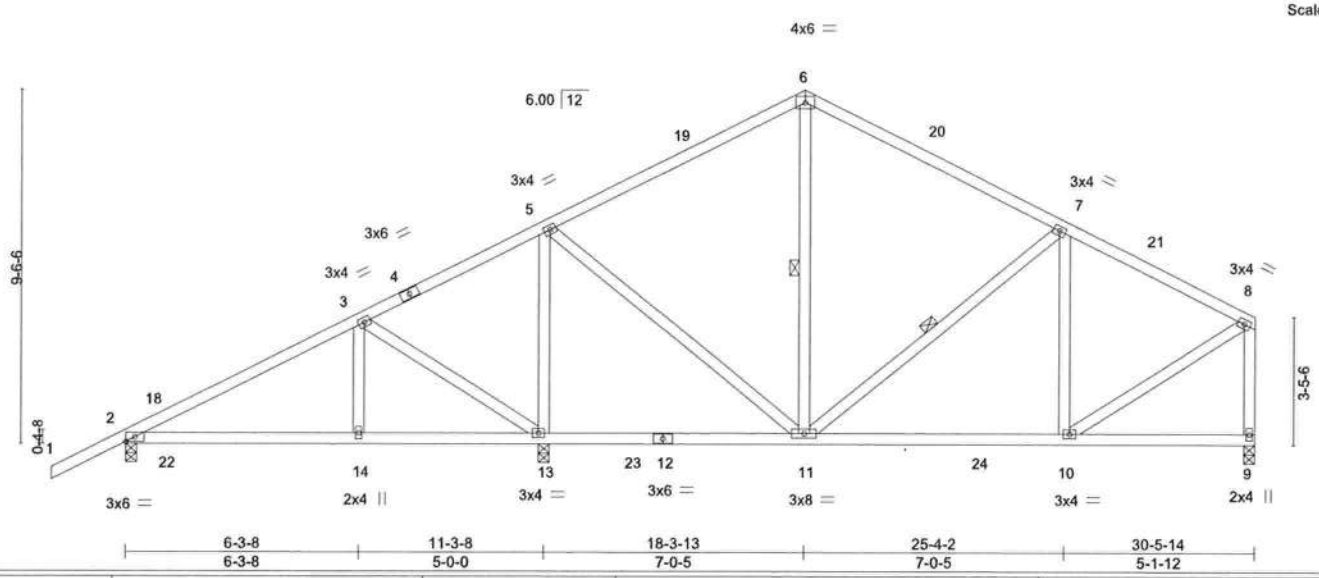
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T16	Common	2	1	Job Reference (optional)	T27470262

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:00 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-6prgcA8fmzkRTqiAFAQE?AAjxu6y_l5uvt03XZzPR1T

-2-0-0	6-3-8	11-3-8	18-3-13	25-4-2	30-5-14
2-0-0	6-3-8	5-0-0	7-0-5	7-0-5	5-1-12

Scale = 1:59.9



6-3-8	11-3-8	18-3-13	25-4-2	30-5-14
6-3-8	5-0-0	7-0-5	7-0-5	5-1-12

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	0.49	Vert(LL)	0.08	14-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

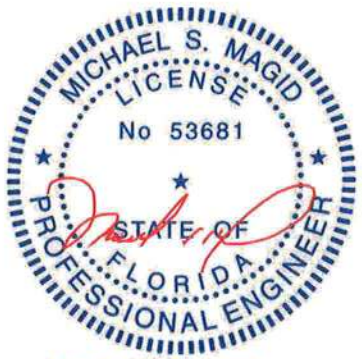
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-13.
WEBS 1 Row at midpt 6-11, 7-11

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=0-3-8
Max Horz 2=227(LC 12)
Max Uplift 2=-98(LC 12), 13=-303(LC 12), 9=-148(LC 13)
Max Grav 2=476(LC 23), 13=1358(LC 2), 9=733(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-395/250, 5-6=-457/175, 6-7=-458/152, 7-8=-619/145, 8-9=-667/159
BOT CHORD 2-14=-269/307, 13-14=-269/307, 10-11=-89/522
WEBS 3-14=-292/230, 3-13=-472/460, 5-13=-866/291, 5-11=-126/575, 7-11=-253/150, 8-10=-101/605

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 1-0-9, Interior(1) 1-0-9 to 18-3-13, Exterior(2R) 18-3-13 to 21-4-6, Interior(1) 21-4-6 to 30-4-2 zone; porch left 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 2, 303 lb uplift at joint 13 and 148 lb uplift at joint 9.



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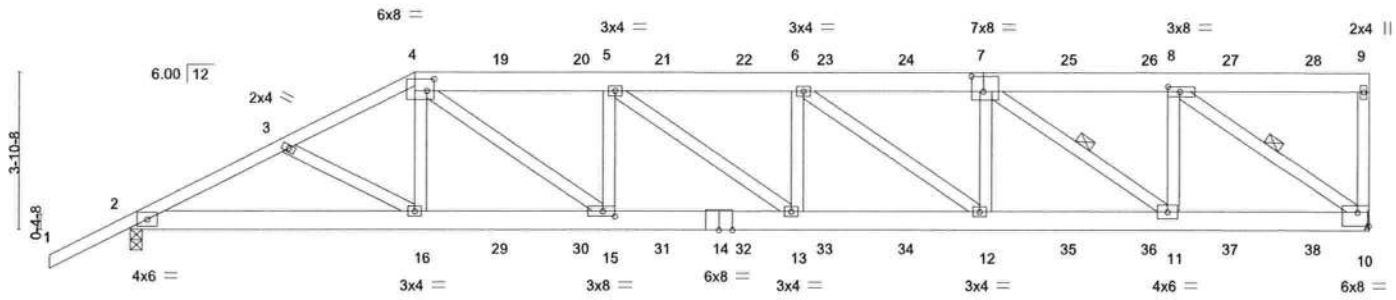
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T17	Half Hip Girder	1	1	Job Reference (optional)	T27470263

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:01 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-a?P2qV9IXHsI5zHNptxTYNivnIKuj8L17Xmc3?zPR1S

-2-0-0	3-10-15	7-0-0	11-9-7	16-5-2	21-0-12	25-8-7	30-5-14
2-0-0	3-10-15	3-1-1	4-9-7	4-7-11	4-7-11	4-7-11	4-9-7

Scale = 1:54.7



7-0-0	11-9-7	16-5-2	21-0-12	25-8-7	30-5-14
7-0-0	4-9-7	4-7-11	4-7-11	4-7-11	4-9-7

Plate Offsets (X,Y)-- [4:0-2-0,0-3-8], [7:0-3-8,0-4-8], [8:0-3-8,0-1-8], [10:Edge,0-4-0], [15:0-3-8,0-1-8]

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	0.42	Vert(LL)	-0.25	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.47	13-15	>775	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 212 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-7-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-4-7 oc bracing.
WEBS	1 Row at midpt 7-11, 8-10

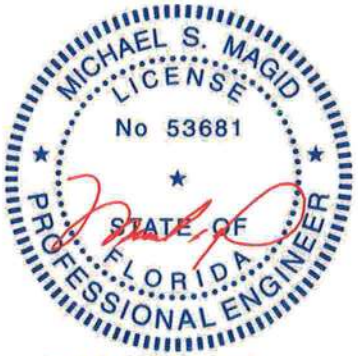
REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=149(LC 8)
Max Uplift 10=-614(LC 5), 2=-521(LC 8)
Max Grav 10=2365(LC 1), 2=2217(LC 1)

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

TOP CHORD	2-3=-4327/1025, 3-4=-4171/1016, 4-5=-5091/1305, 5-6=-5308/1366, 6-7=-4552/1179, 7-8=-2822/732
BOT CHORD	2-16=-956/3833, 15-16=-922/3735, 13-15=-1303/5087, 12-13=-1366/5308, 11-12=-1180/4567, 10-11=-732/2822
WEBS	4-16=-40/641, 4-15=-492/1717, 5-15=-783/350, 5-13=-94/316, 6-13=0/265, 6-12=-939/232, 7-12=-78/805, 7-11=-2157/554, 8-11=-248/1506, 8-10=-3464/898

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; 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 614 lb uplift at joint 10 and 521 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 88 lb up at 7-0-0, 106 lb down and 88 lb up at 9-0-12, 106 lb down and 88 lb up at 11-0-12, 106 lb down and 88 lb up at 13-0-12, 106 lb down and 88 lb up at 15-0-12, 106 lb down and 88 lb up at 17-0-12, 106 lb down and 88 lb up at 19-0-12, 106 lb down and 88 lb up at 21-0-12, 106 lb down and 88 lb up at 23-0-12, 106 lb down and 88 lb up at 25-0-12, and 106 lb down and 88 lb up at 27-0-12, and 106 lb down and 88 lb up at 29-0-12 on top chord, and 294 lb down and 70 lb up at 7-0-0, 85 lb down at 9-0-12, 85 lb down at 11-0-12, 85 lb down at 13-0-12, 85 lb down at 15-0-12, 85 lb down at 17-0-12, 85 lb down at 19-0-12, 85 lb down at 21-0-12, 85 lb down at 23-0-12, 85 lb down at 25-0-12, and 85 lb down at 27-0-12, and 85 lb down at 29-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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Continued on page 2

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LOAD CASE(S) Standard

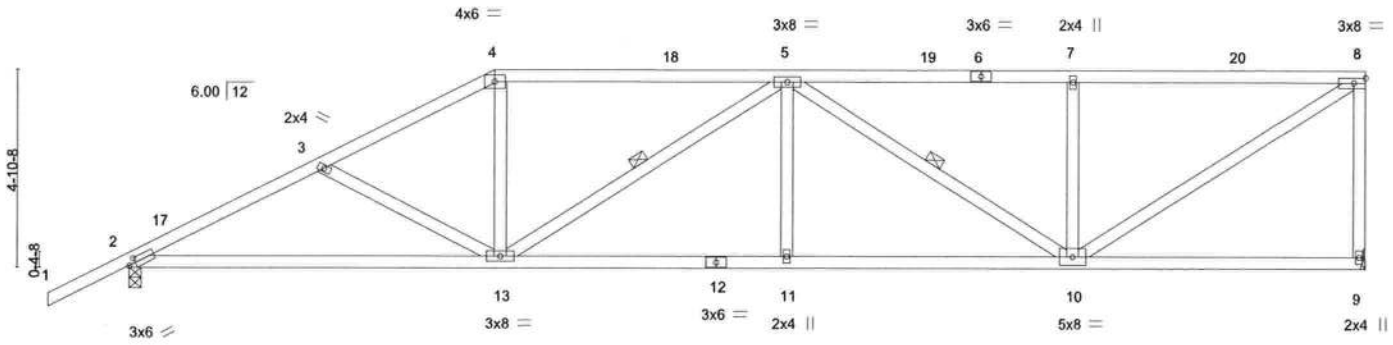
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-9=-54, 2-10=-20
   Concentrated Loads (lb)
   Vert: 4=-106(B) 16=-284(B) 12=-61(B) 7=-106(B) 19=-106(B) 20=-106(B) 21=-106(B) 22=-106(B) 23=-106(B) 24=-106(B) 25=-106(B) 26=-106(B) 27=-106(B) 28=-106(B) 29=-61(B) 30=-61(B) 31=-61(B) 32=-61(B) 33=-61(B) 34=-61(B) 35=-61(B) 36=-61(B) 37=-61(B) 38=-61(B)

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470264
3149141	T18	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:02 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-3BzQ1rAwla_9j7sZMbSi4bF0dijYSeTBMBV9bRzPR1R

-2-0-0	4-9-8	9-0-0	16-2-9	23-3-5	30-5-14
2-0-0	4-9-8	4-2-8	7-2-9	7-0-13	7-2-9

Scale = 1:54.7



9-0-0	16-2-9	23-3-5	30-5-14
9-0-0	7-2-9	7-0-13	7-2-9

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8]

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	0.61	Vert(LL)	-0.15	13-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.32	13-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 164 lb	FT = 20%

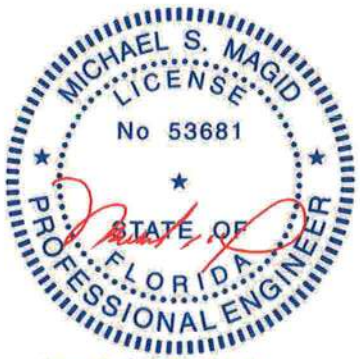
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-11 oc bracing.
WEBS 1 Row at midpt 5-13, 5-10

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=185(LC 12)
Max Uplift 9=-292(LC 9), 2=-308(LC 12)
Max Grav 9=1119(LC 1), 2=1234(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2063/498, 3-4=-1811/427, 4-5=-1589/415, 5-7=-1395/361, 7-8=-1395/361, 8-9=-1055/309
BOT CHORD 2-13=-546/1804, 11-13=-487/1907, 10-11=-487/1907
WEBS 3-13=-261/150, 4-13=-54/524, 5-13=-476/176, 5-11=0/260, 5-10=-610/231, 7-10=-404/196, 8-10=-421/1631

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 1-0-9, Interior(1) 1-0-9 to 9-0-0, Exterior(2R) 9-0-0 to 13-3-12, Interior(1) 13-3-12 to 30-4-2 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) 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 9 and 308 lb uplift at joint 2.



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April 19,2022

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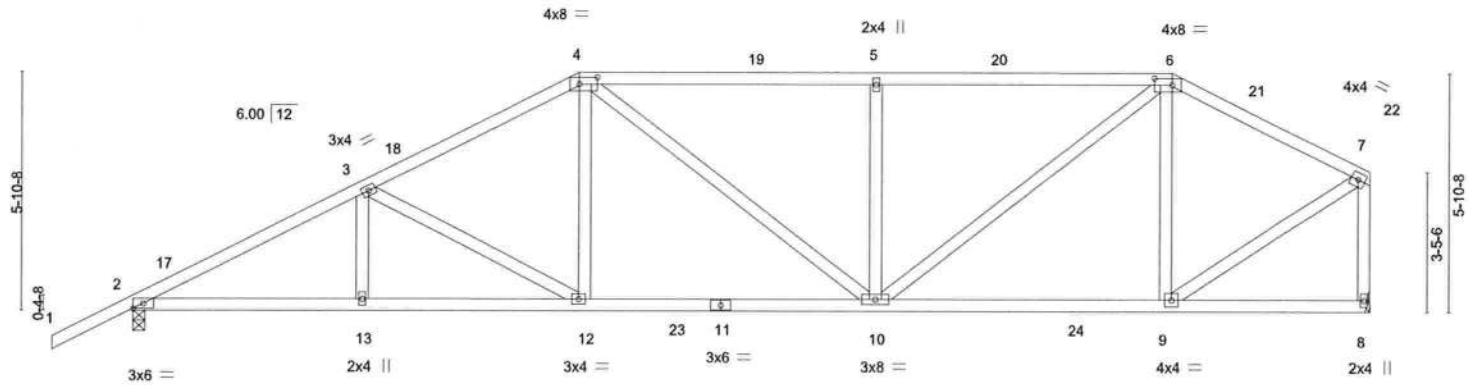
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T19	Hip	1	1	Job Reference (optional)	T27470265

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:03 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-XOXoFBBY3u60KHRlwI_xdooBL64OB8sKbrFj8uzPR1Q

-2-0-0	5-7-15	11-0-0	18-3-13	25-7-10	30-5-14
2-0-0	5-7-15	5-4-1	7-3-13	7-3-13	4-10-4

Scale = 1:54.7



5-7-15	11-0-0	18-3-13	25-7-10	30-5-14
5-7-15	5-4-1	7-3-13	7-3-13	4-10-4

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-5-4,0-2-0]

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	0.61	Vert(LL)	-0.14	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.25	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 172 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 3-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-14 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=Mechanical
Max Horz 2=173(LC 12)
Max Uplift 2=-301(LC 12), 8=-219(LC 13)
Max Grav 2=1316(LC 2), 8=1236(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2267/461, 3-4=-1821/391, 4-5=-1677/364, 5-6=-1677/364, 6-7=-1092/224, 7-8=-1175/246
BOT CHORD 2-13=-496/1985, 12-13=-496/1985, 10-12=-340/1591, 9-10=-156/929
WEBS 3-12=-472/178, 4-12=-46/479, 5-10=-455/221, 6-10=-231/964, 6-9=-415/145, 7-9=-193/1104

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 1-0-9, Interior(1) 1-0-9 to 11-0-0, Exterior(2R) 11-0-0 to 15-3-12, Interior(1) 15-3-12 to 25-7-10, Exterior(2R) 25-7-10 to 29-11-6, Interior(1) 29-11-6 to 30-4-2 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) 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 2 and 219 lb uplift at joint 8.

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April 19,2022

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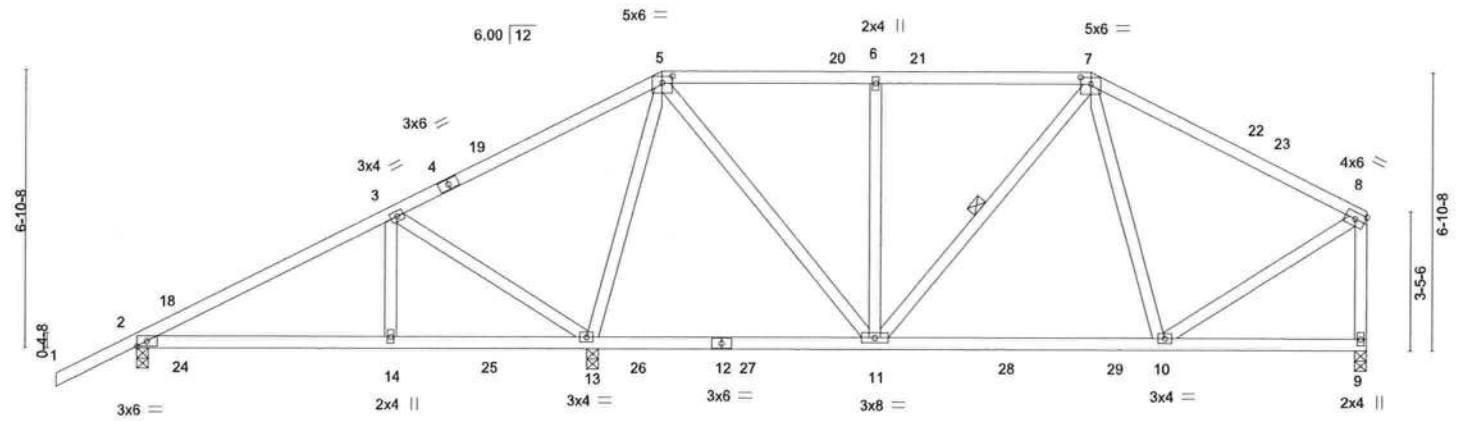
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470266
3149141	T20	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:04 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-?a5BSXBAqCEtyR0yU0VAA0KNyVSBwVxTpU_GgKzPR1P

-2-0-0	6-3-8	13-0-0	18-3-13	23-7-10	30-5-14
2-0-0	6-3-8	6-8-8	5-3-13	5-3-13	6-10-4

Scale = 1:54.9



6-3-8	11-3-8	18-3-13	25-4-2	30-5-14
6-3-8	5-0-0	7-0-5	7-0-5	5-1-12

Plate Offsets (X,Y)-- [5:0-3-0,0-2-0], [7:0-3-0,0-2-0]

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	0.55	Vert(LL)	-0.07	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.12	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 176 lb	FT = 20%

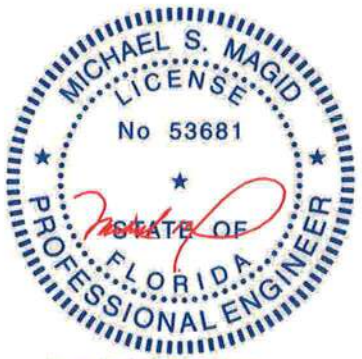
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=0-3-8
Max Horz 2=188(LC 12)
Max Uplift 2=-102(LC 12), 13=-331(LC 9), 9=-157(LC 13)
Max Grav 2=440(LC 23), 13=1416(LC 2), 9=735(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-337/247, 3-5=-147/298, 5-6=-492/154, 6-7=-492/154, 7-8=-597/140, 8-9=-670/166
BOT CHORD 2-14=-267/256, 13-14=-267/256, 10-11=-73/484
WEBS 3-14=-289/227, 3-13=-544/522, 5-13=-914/294, 5-11=-139/694, 6-11=-317/157, 8-10=-47/526

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 1-0-9, Interior(1) 1-0-9 to 13-0-0, Exterior(2R) 13-0-0 to 17-3-12, Interior(1) 17-3-12 to 23-7-10, Exterior(2R) 23-7-10 to 27-11-6, Interior(1) 27-11-6 to 30-4-2 zone; porch left 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 331 lb uplift at joint 13 and 157 lb uplift at joint 9.



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Date:

April 19,2022

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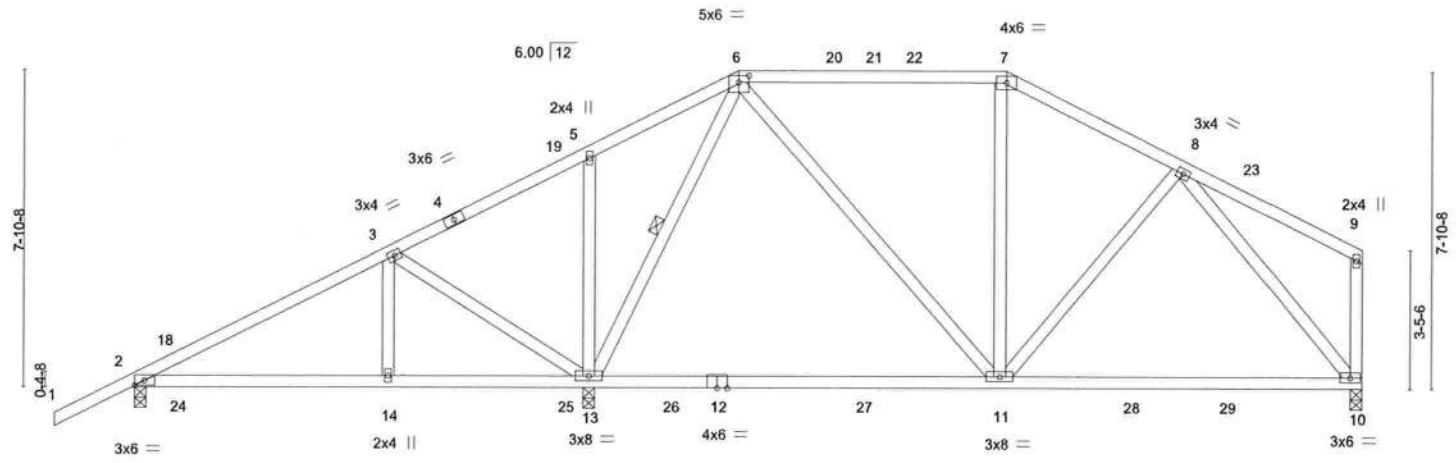
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	T27470267
3149141	T21	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:05 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-TmfZgtCobVMkaba82j0PiDtYxvmUf_ed28kqCmzPR1O

-2-0-0	6-3-8	11-3-8	15-0-0	21-7-10	25-11-0	30-5-14
2-0-0	6-3-8	5-0-0	3-8-8	6-7-10	4-3-6	4-6-14

Scale = 1:55.1



6-3-8	11-3-8	21-7-10	30-5-14
6-3-8	5-0-0	10-4-2	8-10-4

Plate Offsets (X,Y)-- [6:0-3-0,0-2-0]

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	0.54	Vert(LL)	-0.28	11-13	>819	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.43	11-13	>530	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

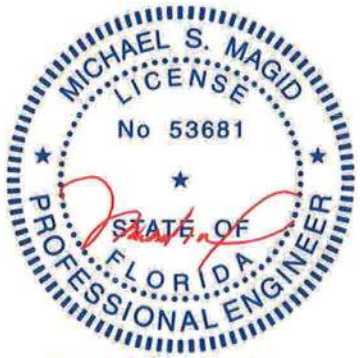
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-13

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 10=0-3-8
Max Horz 2=203(LC 12)
Max Uplift 2=-100(LC 9), 13=-314(LC 12), 10=-154(LC 13)
Max Grav 2=462(LC 23), 13=1392(LC 2), 10=753(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-367/244, 6-7=-511/180, 7-8=-614/171
BOT CHORD 2-14=-260/279, 13-14=-260/279, 10-11=-91/448
WEBS 3-14=-297/197, 3-13=-462/487, 6-13=-717/233, 6-11=-90/465, 8-10=-657/143

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 1-0-9, Interior(1) 1-0-9 to 15-0-0, Exterior(2R) 15-0-0 to 19-3-12, Interior(1) 19-3-12 to 21-7-10, Exterior(2R) 21-7-10 to 26-0-2, Interior(1) 26-0-2 to 30-4-2 zone; porch left 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2, 314 lb uplift at joint 13 and 154 lb uplift at joint 10.



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April 19,2022

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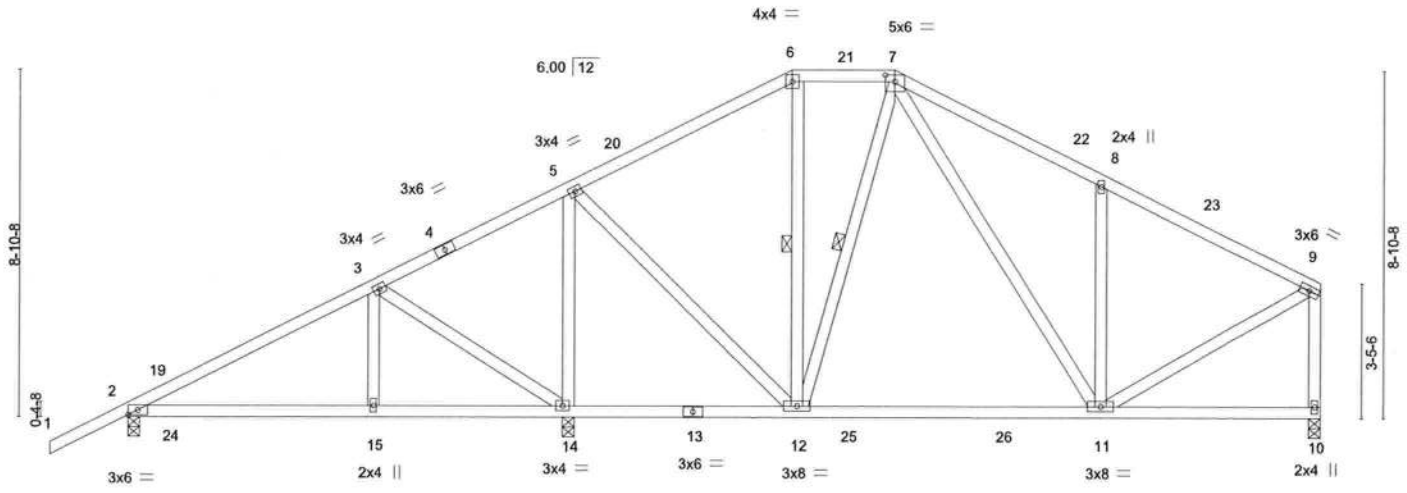
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T22	Hip	1	1	Job Reference (optional)	T27470268

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:06 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-xzDxtDDQMpUaCl9KbRXeFRQnAJ8iOR9mHoTNlDzPR1N

-2-0-0	6-3-8	11-3-8	17-0-0	19-7-10	24-11-0	30-5-14
2-0-0	6-3-8	5-0-0	5-8-8	2-7-10	5-3-6	5-6-14

Scale = 1:56.8



6-3-8	11-3-8	17-0-0	24-11-0	30-5-14
6-3-8	5-0-0	5-8-8	7-11-0	5-6-14

Plate Offsets (X,Y)-- [7:0-3-0,0-2-0]

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	0.32	Vert(LL)	-0.14	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.22	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 193 lb	FT = 20%

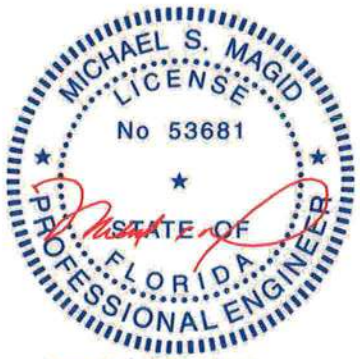
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-14.
WEBS 1 Row at midpt 6-12, 7-12

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 10=0-3-8
Max Horz 2=218(LC 12)
Max Uplift 2=-102(LC 12), 14=-301(LC 12), 10=-153(LC 13)
Max Grav 2=477(LC 23), 14=1336(LC 2), 10=739(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-402/257, 5-6=-441/160, 6-7=-339/160, 7-8=-658/264, 8-9=-643/148, 9-10=-674/164
BOT CHORD 2-15=-271/319, 14-15=-271/319, 11-12=-20/378
WEBS 3-15=-288/247, 3-14=-503/466, 5-14=-909/282, 5-12=-128/628, 7-11=-149/309, 8-11=-335/216, 9-11=-85/599

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 1-0-9, Interior(1) 1-0-9 to 17-0-0, Exterior(2E) 17-0-0 to 19-7-10, Exterior(2R) 19-7-10 to 23-11-6, Interior(1) 23-11-6 to 30-4-2 zone; porch left 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 301 lb uplift at joint 14 and 153 lb uplift at joint 10.



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April 19,2022

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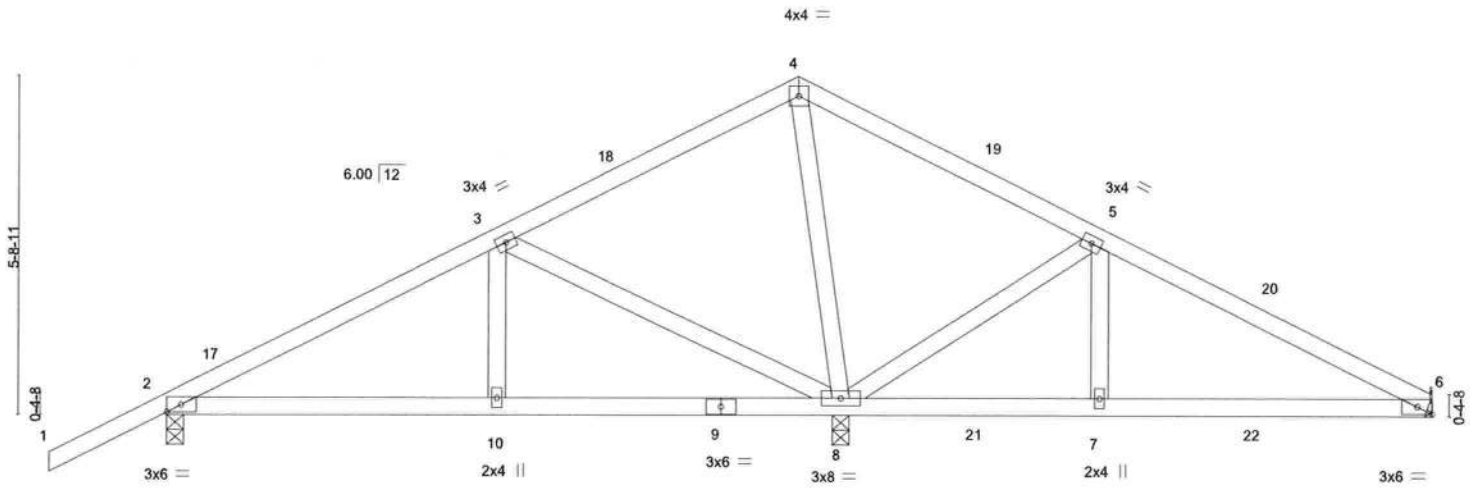
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T23	Common	2	1	Job Reference (optional)	T27470269

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:07 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-P9mJ4ZE277cRpukW982tneyxPjYN7x8wWSDwHfzPR1M

-2-0-0	5-7-2	10-8-7	15-9-11	21-4-14
2-0-0	5-7-2	5-1-5	5-1-5	5-7-2

Scale = 1:37.6



5-7-2	11-5-4	15-9-11	21-4-14
5-7-2	5-10-1	4-4-8	5-7-2

Plate Offsets (X,Y)-- [6:0-2-15,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	0.35	Vert(LL)	0.06	7-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.06	7-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 103 lb	FT = 20%

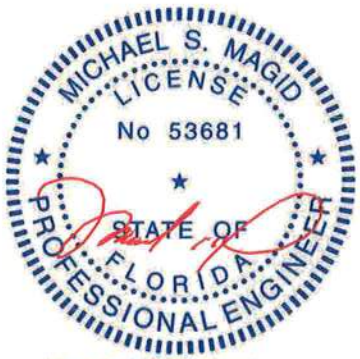
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 6=Mechanical, 2=0-3-8, 8=0-3-8
Max Horz 2=109(LC 16)
Max Uplift 6=-101(LC 8), 2=-126(LC 12), 8=-179(LC 12)
Max Grav 6=286(LC 24), 2=460(LC 23), 8=1003(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-412/82, 4-5=-90/307, 5-6=-297/289
BOT CHORD 2-10=-95/321, 8-10=-95/321
WEBS 4-8=-439/175, 5-8=-474/502, 5-7=-276/208, 3-8=-500/189

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 1-0-0, Interior(1) 1-0-0 to 10-8-7, Exterior(2R) 10-8-7 to 13-8-7, Interior(1) 13-8-7 to 21-4-14 zone; porch 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) 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 6, 126 lb uplift at joint 2 and 179 lb uplift at joint 8.



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April 19,2022

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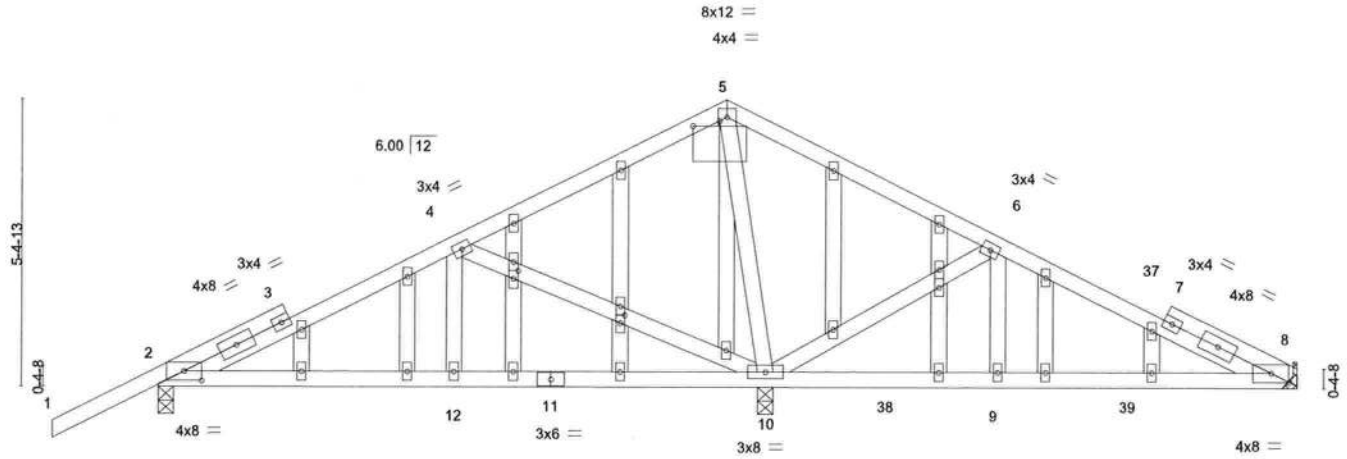
Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T23G	GABLE	1	1	Job Reference (optional)	T27470270

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:08 2022 Page 1
ID:UqgQf5PiwBDIDQWE5Cwo8AzB44T-tLKhIvFhuQkIR2JjjsZ6KsV6v7u7sON3k6yUp5zPR1L

-2-0-0	5-7-2	10-8-7	15-9-11	21-4-14
2-0-0	5-7-2	5-1-5	5-1-4	5-7-3

Scale = 1:41.7



5-7-2	11-5-4	11-7-0	15-9-11	21-4-14
5-7-2	5-10-2	0-1-12	4-2-11	5-7-3

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [5:0-6-0,0-1-3], [8:0-4-0,0-2-1], [14:0-1-13,0-1-0], [17:0-1-13,0-1-0]

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	0.37	Vert(LL)	0.06	9-36	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.05	9-36	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 140 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 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 6-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=Mechanical, 10=0-3-8
Max Horz 2=105(LC 16)
Max Uplift 2=-119(LC 12), 8=-90(LC 8), 10=-199(LC 12)
Max Grav 2=432(LC 23), 8=233(LC 24), 10=1099(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-328/57, 4-5=-207/363, 5-6=-257/455
BOT CHORD 2-12=-79/278, 10-12=-79/278
WEBS 4-10=-521/200, 5-10=-565/329, 6-10=-486/642, 6-9=-318/191

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 Corner(3E) -2-0-0 to 1-1-11, Exterior(2N) 1-1-11 to 10-8-7, Corner(3R) 10-8-7 to 13-8-7, Exterior(2N) 13-8-7 to 21-3-2 zone; porch 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) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2, 90 lb uplift at joint 8 and 199 lb uplift at joint 10.

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April 19,2022

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T24	Common Girder	1	2	Job Reference (optional)	T27470271

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Apr 18 16:12:09 2022 Page 1
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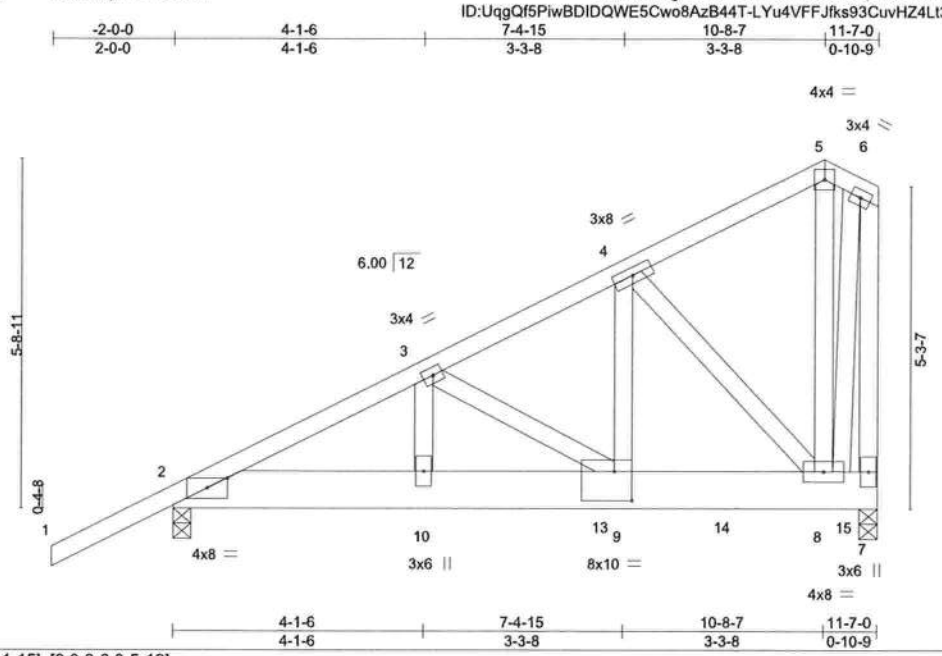

Plate Offsets (X,Y)-- [2:0-4-0,0-1-15], [9:0-3-8,0-5-12]

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	0.25	Vert(LL)	-0.03	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.06	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=206(LC 8)
Max Uplift 2=-435(LC 8), 7=-968(LC 8)
Max Grav 2=1721(LC 1), 7=3780(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3126/739, 3-4=-2846/700, 4-5=-379/83, 5-6=-365/97, 6-7=-2042/540
BOT CHORD 2-10=-787/2757, 9-10=-787/2757, 8-9=-701/2523
WEBS 3-9=-273/100, 4-9=-864/3347, 4-8=-3302/921, 5-8=-111/306, 6-8=-496/1843

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-9 2x4 - 1 row at 0-7-0 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; 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) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 435 lb uplift at joint 2 and 968 lb uplift at joint 7.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2345 lb down and 635 lb up at 7-0-12, and 1099 lb down and 312 lb up at 9-0-12, and 1222 lb down and 233 lb up at 11-0-12 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: 1-5=-54, 5-6=-54, 2-7=-20

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-2345(F) 14=-1099(F) 15=-1105(F)

Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH	
3149141	T25	Common	2	1	Job Reference (optional)	T27470272

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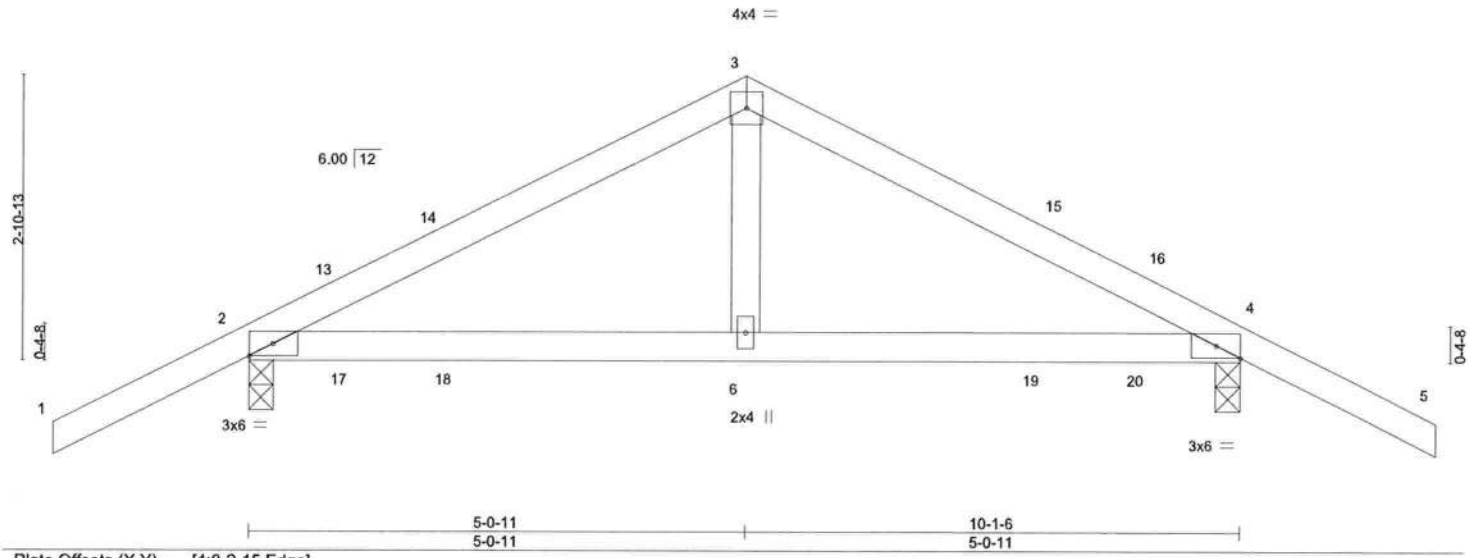
-2-0-0 2-0-0 | 5-0-11 5-0-11 | 10-1-6 5-0-11 | 12-1-6 2-0-0

Scale = 1:22.6



5-0-11 5-0-11 | 10-1-6 5-0-11

Plate Offsets (X,Y)-- [4:0-2-15,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	0.30	Vert(LL)	0.05	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	0.04	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 42 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 8-8-13 oc bracing.

REACTIONS. (size) 2=0-3-0, 4=0-3-0
Max Horz 2=52(LC 16)
Max Uplift 2=-123(LC 12), 4=-123(LC 13)
Max Grav 2=482(LC 1), 4=482(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-469/601, 3-4=-469/601
BOT CHORD 2-6=-413/370, 4-6=-413/370
WEBS 3-6=-321/221

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 1-0-0, Interior(1) 1-0-0 to 5-0-11, Exterior(2R) 5-0-11 to 8-0-11, Interior(1) 8-0-11 to 12-1-6 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) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2 and 123 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	CORNERSTONE - LOT 12 SH
3149141	T25G	Common Supported Gable	1	1	T27470273
					Job Reference (optional)

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-2-0-0 / 2-0-0 | 5-0-11 / 5-0-11 | 10-1-6 / 5-0-11 | 12-1-6 / 2-0-0

Scale = 1:23.4

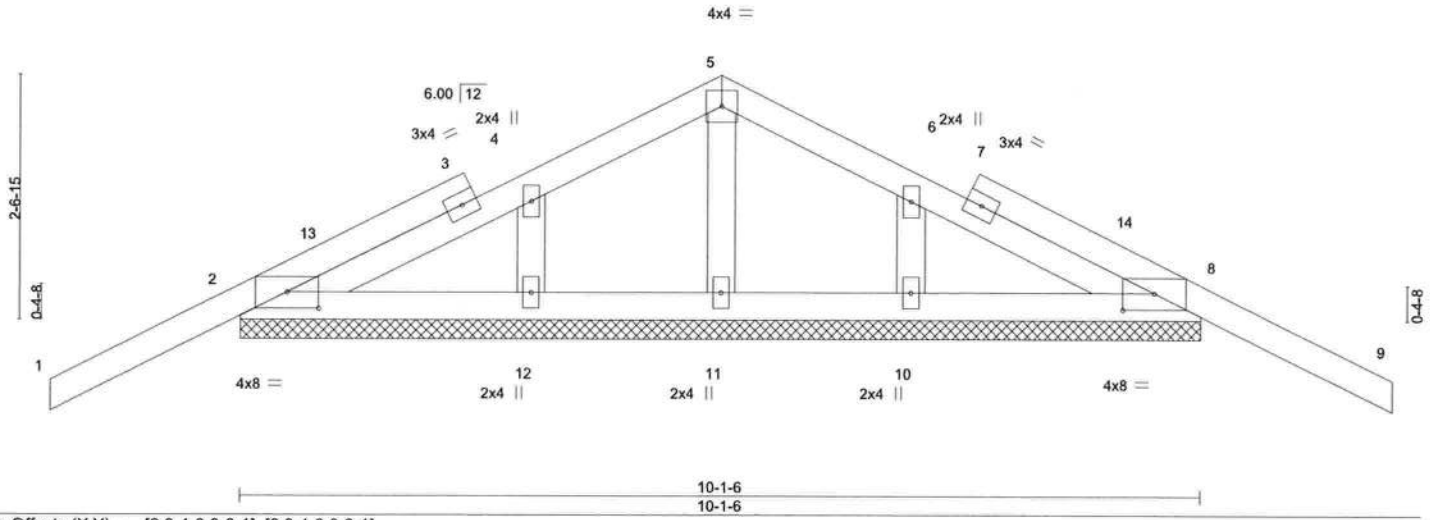

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [8:0-4-0,0-2-1]

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)	-0.02	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.03	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 51 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 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 10-1-6.
(lb) - Max Horz 2=48(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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 Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 5-0-11, Corner(3R) 5-0-11 to 8-0-11, Exterior(2N) 8-0-11 to 12-1-6 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) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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) 2, 8, 12, 10.

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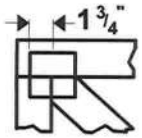
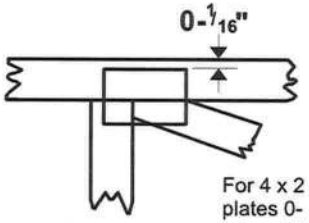
Symbols

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

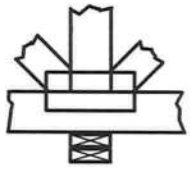
4 x 4

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

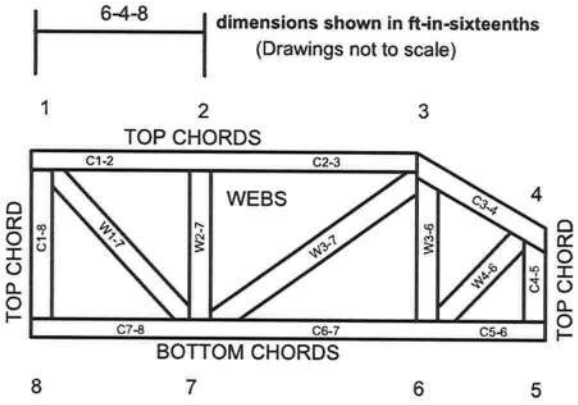


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.