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

RE: HickoryCove12 - Hickory Cove 12

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

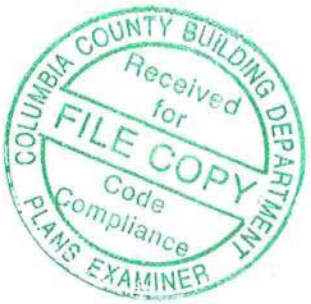
Site Information:
Customer Info: SCCI Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: LAKE CITY State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 42 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	T21297608	A1GDR	9/14/20	23	T21297630	D04	9/14/20
2	T21297609	A02	9/14/20	24	T21297631	D05	9/14/20
3	T21297610	A03	9/14/20	25	T21297632	G01GE	9/14/20
4	T21297611	A04	9/14/20	26	T21297633	G02	9/14/20
5	T21297612	A05	9/14/20	27	T21297634	G3GRD	9/14/20
6	T21297613	B01	9/14/20	28	T21297635	H1GDR	9/14/20
7	T21297614	B02	9/14/20	29	T21297636	H02	9/14/20
8	T21297615	B03	9/14/20	30	T21297637	H03	9/14/20
9	T21297616	B04	9/14/20	31	T21297638	H04	9/14/20
10	T21297617	C01	9/14/20	32	T21297639	J01	9/14/20
11	T21297618	C02	9/14/20	33	T21297640	J02	9/14/20
12	T21297619	C03	9/14/20	34	T21297641	J03	9/14/20
13	T21297620	C04	9/14/20	35	T21297642	J04	9/14/20
14	T21297621	C05	9/14/20	36	T21297643	J05	9/14/20
15	T21297622	C06	9/14/20	37	T21297644	J06	9/14/20
16	T21297623	C7GDR	9/14/20	38	T21297645	J07	9/14/20
17	T21297624	CJ01	9/14/20	39	T21297646	J08	9/14/20
18	T21297625	CJ02	9/14/20	40	T21297647	J09	9/14/20
19	T21297626	CJ03	9/14/20	41	T21297648	J10GR	9/14/20
20	T21297627	D01GE	9/14/20	42	T21297649	J11	9/14/20
21	T21297628	D02	9/14/20				
22	T21297629	D03GE	9/14/20				



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Finn, Walter
My license renewal date for the state of Florida is February 28, 2021.

Walter P. Finn PE No.22839
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Date: September 14,2020

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

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	A1GDR	Half Hip Girder	1	2	T21297608
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:31 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-XYVXBlhOZWfdZ1FgC6bAlRd6__zYJ9SzSZyhOUydgco

-1-6-0	7-0-0	9-1-12	15-8-7	22-1-5	28-8-0
1-6-0	7-0-0	2-1-12	6-6-11	6-4-15	6-6-11

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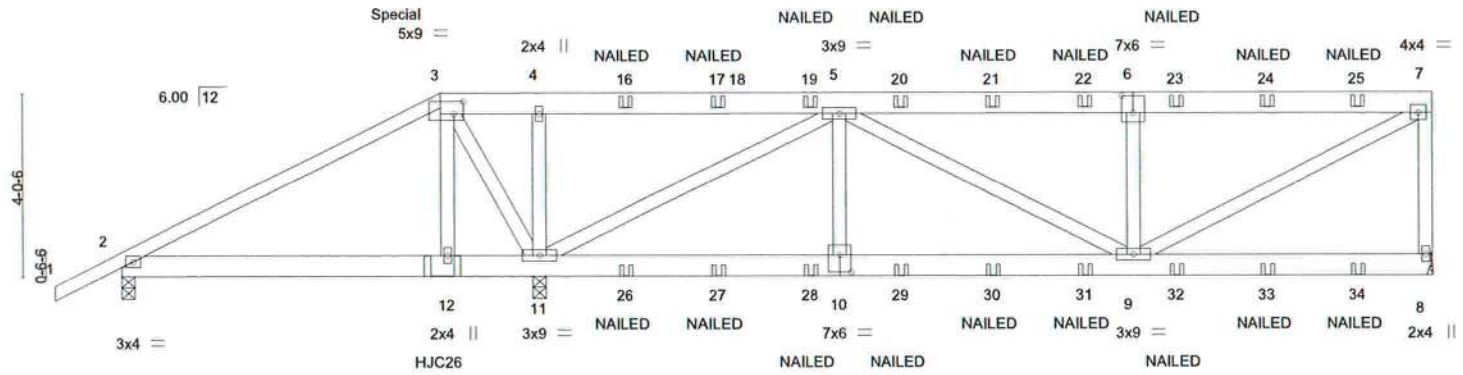

7-0-0	9-1-12	15-8-7	22-1-5	28-8-0
7-0-0	2-1-12	6-6-11	6-4-15	6-6-11

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [6:0-3-0,0-4-8], [10:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.03	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.07	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 382 lb	FT = 20%

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

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.

REACTIONS. (size) 8=Mechanical, 2=0-3-8, 11=0-3-8
Max Horz 2=173(LC 7)
Max Uplift 8=-261(LC 5), 2=-195(LC 25), 11=-616(LC 8)
Max Grav 8=1464(LC 1), 2=336(LC 13), 11=3164(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-118/403, 3-4=-161/778, 4-5=-163/781, 5-6=-1870/383, 6-7=-1870/383, 7-8=-1331/321
BOT CHORD 2-12=-334/132, 11-12=-317/131, 10-11=-305/1544, 9-10=-305/1544
WEBS 3-12=-158/480, 3-11=-1084/272, 4-11=-780/269, 5-11=-2634/476, 5-10=0/514, 5-9=-71/381, 6-9=-860/405, 7-9=-372/2088

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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint 8, 195 lb uplift at joint 2 and 616 lb uplift at joint 11.
10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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Continued on page 2

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Tampa, FL 36610

NOTES-

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 324 lb down and 84 lb up at 7-0-0, and 218 lb down and 69 lb up at 9-0-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

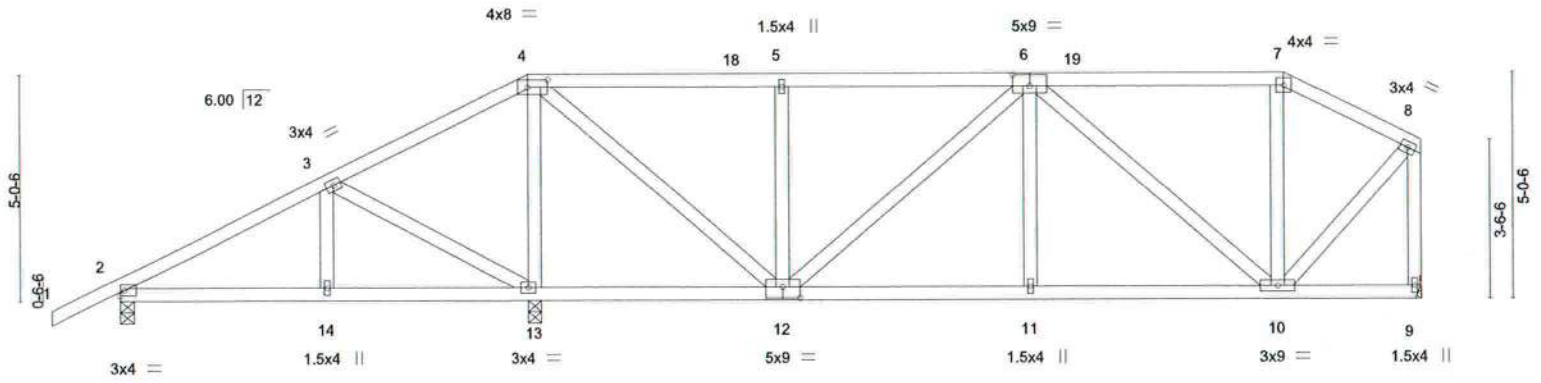
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-7=-60, 8-13=-20
   Concentrated Loads (lb)
   Vert: 3=-203(F) 12=-381(F) 4=-204 16=-128(F) 17=-128(F) 19=-128(F) 20=-128(F) 21=-128(F) 22=-128(F) 23=-128(F) 24=-128(F) 25=-128(F) 26=-60(F) 27=-60(F) 28=-60(F) 29=-60(F) 30=-60(F) 31=-60(F) 32=-60(F) 33=-60(F) 34=-60(F)

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	A02	Hip	1	1	T21297609
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:27 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-emF0LNetVl9B4QyvzHWE7bSQtNbqNNKOXx_UFjydgcs

-1-6-0	4-7-0	9-0-0	14-7-4	20-0-12	25-8-0	28-8-0
1-6-0	4-7-0	4-5-0	5-7-4	5-5-8	5-7-4	3-0-0

Scale = 1:51.1



4-7-0	9-0-0	9-1-12	14-7-4	20-0-12	25-8-0	28-8-0
4-7-0	4-5-0	0-1-12	5-5-8	5-5-8	5-7-4	3-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-4-8,0-3-0], [12:0-4-8,0-3-0]

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	0.28	Vert(LL)	-0.02	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.05	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 168 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=Mechanical
Max Horz 2=195(LC 11)
Max Uplift 2=-97(LC 12), 13=-191(LC 12), 9=-101(LC 12)
Max Grav 2=320(LC 21), 13=1348(LC 1), 9=721(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-120/329, 4-5=-527/246, 5-6=-527/246, 6-7=-401/223, 7-8=-479/215, 8-9=-700/235
BOT CHORD 12-13=-286/185, 11-12=-242/728, 10-11=-242/728
WEBS 3-13=-419/221, 4-13=-1048/423, 4-12=-303/989, 5-12=-348/203, 6-12=-292/93, 6-10=-432/123, 8-10=-169/590

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2, 191 lb uplift at joint 13 and 101 lb uplift at joint 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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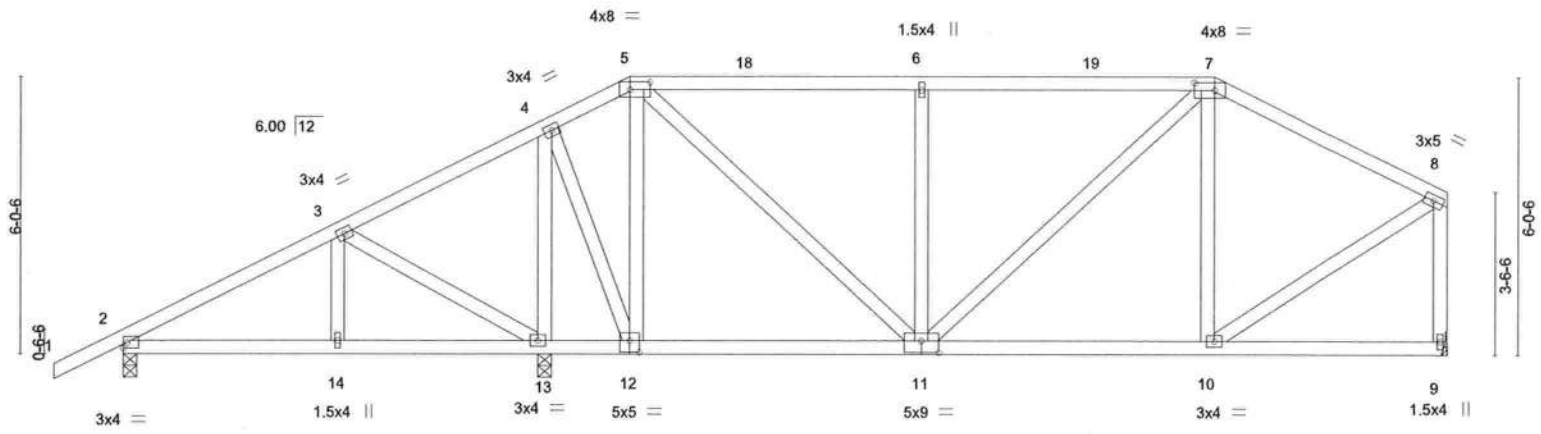
Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	A03	Hip	1	1	T21297610
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:28 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-7zpOZjfWGbH2iaW6X_2Tgp?ZdnwF6qyXmbk1n9ydgcr

-1-6-0	4-7-14	9-1-12	11-0-0	17-4-0	23-8-0	28-8-0
1-6-0	4-7-14	4-5-14	1-10-4	6-4-0	6-4-0	5-0-0

Scale = 1:50.3



4-7-14	9-1-12	11-0-0	17-4-0	23-8-0	28-8-0
4-7-14	4-5-14	1-10-4	6-4-0	6-4-0	5-0-0

Plate Offsets (X,Y)-- [5:0-5-4,0-2-0], [7:0-5-4,0-2-0], [11:0-4-8,0-3-0], [12:0-2-8,0-3-0]

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	0.41	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 177 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 9=Mechanical
Max Horz 2=220(LC 11)
Max Uplift 2=-102(LC 12), 13=-183(LC 12), 9=-103(LC 12)
Max Grav 2=395(LC 21), 13=1237(LC 1), 9=752(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-332/75, 5-6=-646/318, 6-7=-646/318, 7-8=-629/262, 8-9=-707/259
BOT CHORD 2-14=-178/300, 13-14=-178/300, 10-11=-172/503
WEBS 3-13=-424/219, 4-13=-972/362, 4-12=-181/716, 5-12=-589/232, 5-11=-209/648, 6-11=-432/250, 8-10=-150/577

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 183 lb uplift at joint 13 and 103 lb uplift at joint 9.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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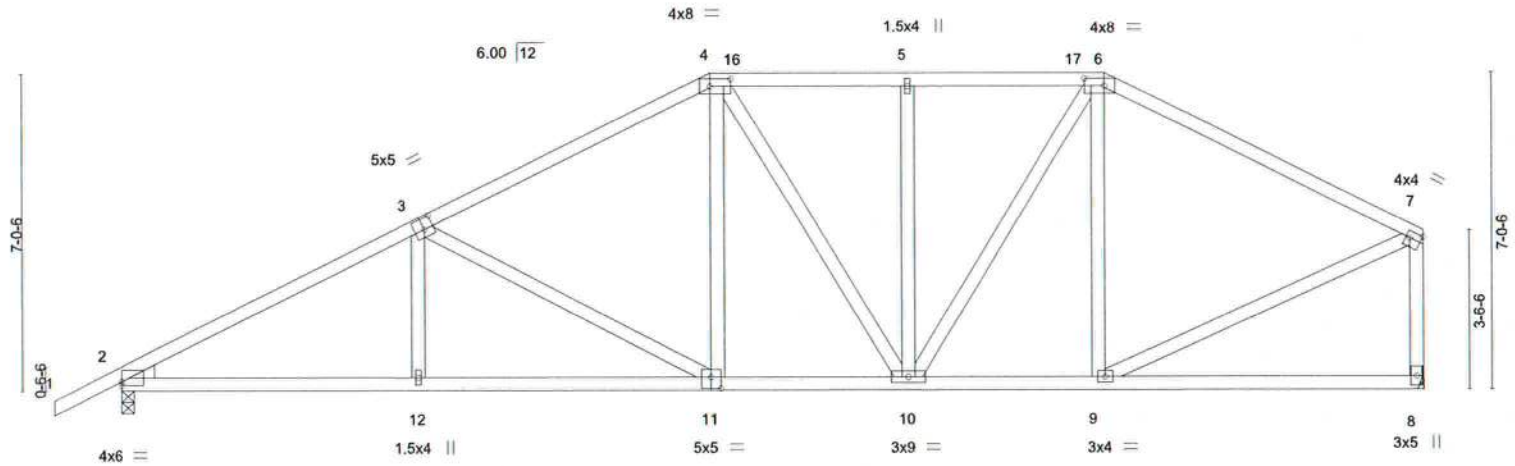
Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	A04	Hip	1	1	T21297611
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:29 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-b9Nnm3g81vPvJk5l4hZiD0XihBD1rF_g?FTbJcydgcq

-1-6-0	6-7-0	13-0-0	17-4-0	21-8-0	28-8-0
1-6-0	6-7-0	6-5-0	4-4-0	4-4-0	7-0-0

Scale = 1:51.1



6-7-0	13-0-0	17-4-0	21-8-0	28-8-0
6-7-0	6-5-0	4-4-0	4-4-0	7-0-0

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [3:0-2-8,0-3-0], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [7:Edge,0-1-12], [11:0-2-8,0-3-0]

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	0.51	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 175 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 8=Mechanical
Max Horz 2=246(LC 11)
Max Uplift 2=-226(LC 12), 8=-162(LC 12)
Max Grav 2=1233(LC 1), 8=1138(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1978/648, 3-4=-1454/560, 4-5=-1158/535, 5-6=-1158/535, 6-7=-1119/437, 7-8=-1068/422
BOT CHORD 2-12=-697/1687, 11-12=-698/1684, 10-11=-435/1219, 9-10=-316/912
WEBS 3-11=-561/302, 4-11=-80/431, 5-10=-256/114, 6-10=-157/519, 6-9=-277/205, 7-9=-279/946

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 2 and 162 lb uplift at joint 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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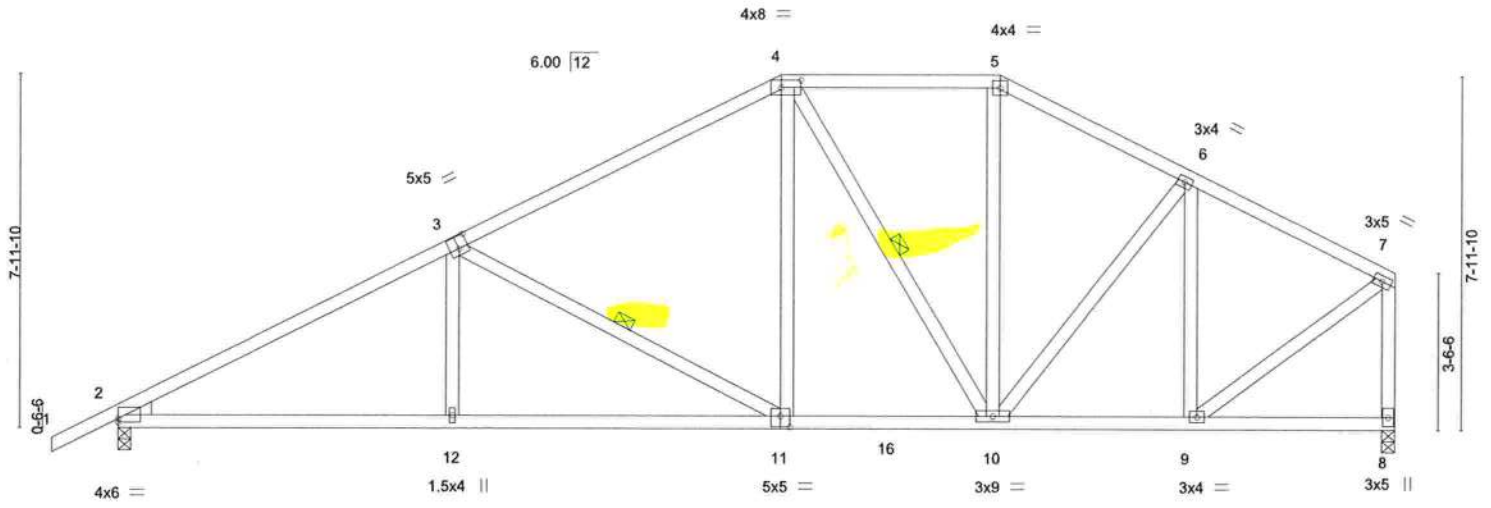
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	A05	Hip	1	1	T21297612
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:29 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-b9Nnm3g81vPvJk5I4hZiD0XjfBCirJIg?FTbJcydgcq

-1-6-0	7-6-4	14-10-8	19-9-8	24-1-0	28-8-0
1-6-0	7-6-4	7-4-4	4-11-0	4-3-8	4-7-0

Scale = 1:52.1



7-6-4	14-10-8	19-9-8	24-1-0	28-8-0
7-6-4	7-4-4	4-11-0	4-3-8	4-7-0

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

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	0.45	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.20	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 176 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-11, 4-10

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=269(LC 11)
Max Uplift 2=-226(LC 12), 8=-162(LC 12)
Max Grav 2=1233(LC 1), 8=1138(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1951/653, 3-4=-1317/539, 4-5=-916/492, 5-6=-1082/504, 6-7=-946/392, 7-8=-1094/414
BOT CHORD 2-12=-687/1715, 11-12=-689/1713, 10-11=-374/1123, 9-10=-309/797
WEBS 3-12=0/300, 3-11=-674/360, 4-11=-97/513, 4-10=-393/125, 5-10=-74/259, 6-9=-485/261, 7-9=-327/964

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 2 and 162 lb uplift at joint 8.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 14,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

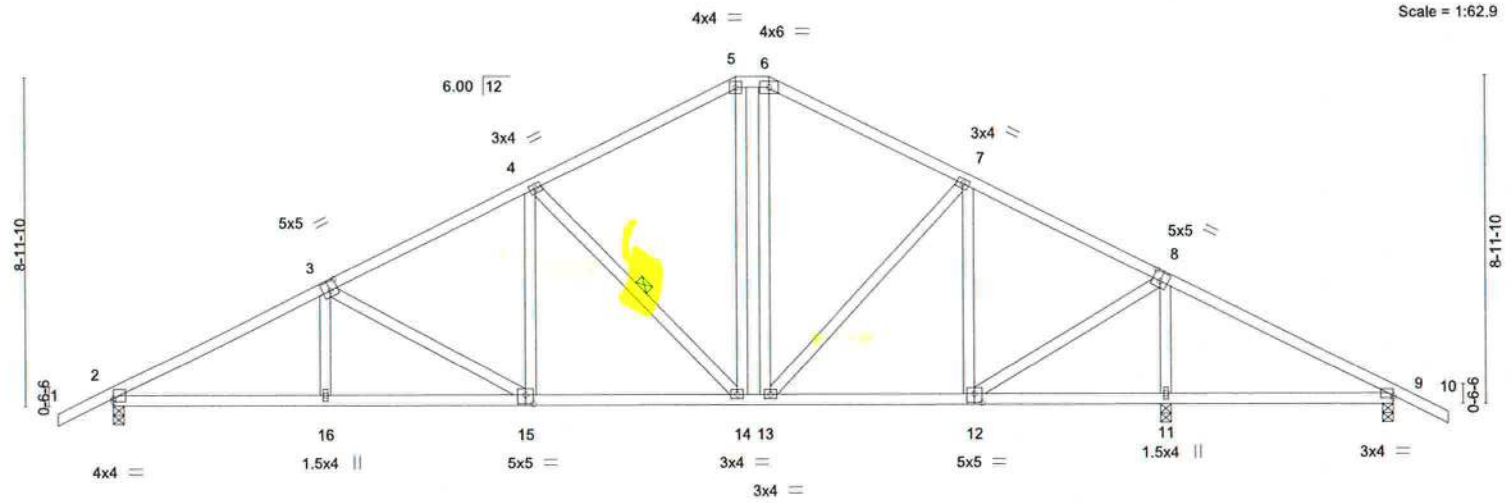
Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	B01	Hip	1	1	T21297613
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:32 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-?k3vP5i0KqnUABqtmq6Pqf9FGODc2gF7hCiFwwydgcn

-1-6-0	5-8-14	11-3-11	16-10-8	17-9-8	23-1-14	28-6-4	34-8-0	36-2-0
1-6-0	5-8-14	5-6-13	5-6-13	0-11-0	5-4-6	5-4-6	6-1-12	1-6-0

Scale = 1:62.9



5-8-14	11-3-11	16-10-8	17-9-8	23-1-14	28-6-4	34-8-0
5-8-14	5-6-13	5-6-13	0-11-0	5-4-6	5-4-6	6-1-12

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

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	0.43	Vert(LL)	-0.08	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.17	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 206 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-14

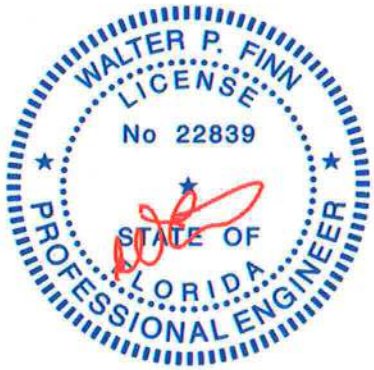
REACTIONS. (size) 2=0-3-8, 11=0-3-8, 9=0-3-8
Max Horz 2=-242(LC 10)
Max Uplift 2=-225(LC 12), 11=-201(LC 12), 9=-96(LC 12)
Max Grav 2=1201(LC 1), 11=1557(LC 1), 9=258(LC 22)

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

TOP CHORD	2-3=-1921/675, 3-4=-1526/617, 4-5=-1021/519, 5-6=-841/519, 6-7=-1011/519, 7-8=-875/412, 8-9=-39/307
BOT CHORD	2-16=-463/1693, 15-16=-465/1691, 14-15=-282/1325, 13-14=-49/843, 12-13=-95/725
WEBS	3-15=-414/224, 4-15=-52/398, 4-14=-698/341, 5-14=-128/314, 7-13=-50/262, 7-12=-492/213, 8-12=-249/1035, 8-11=-1398/556

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 2, 201 lb uplift at joint 11 and 96 lb uplift at joint 9.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 14,2020

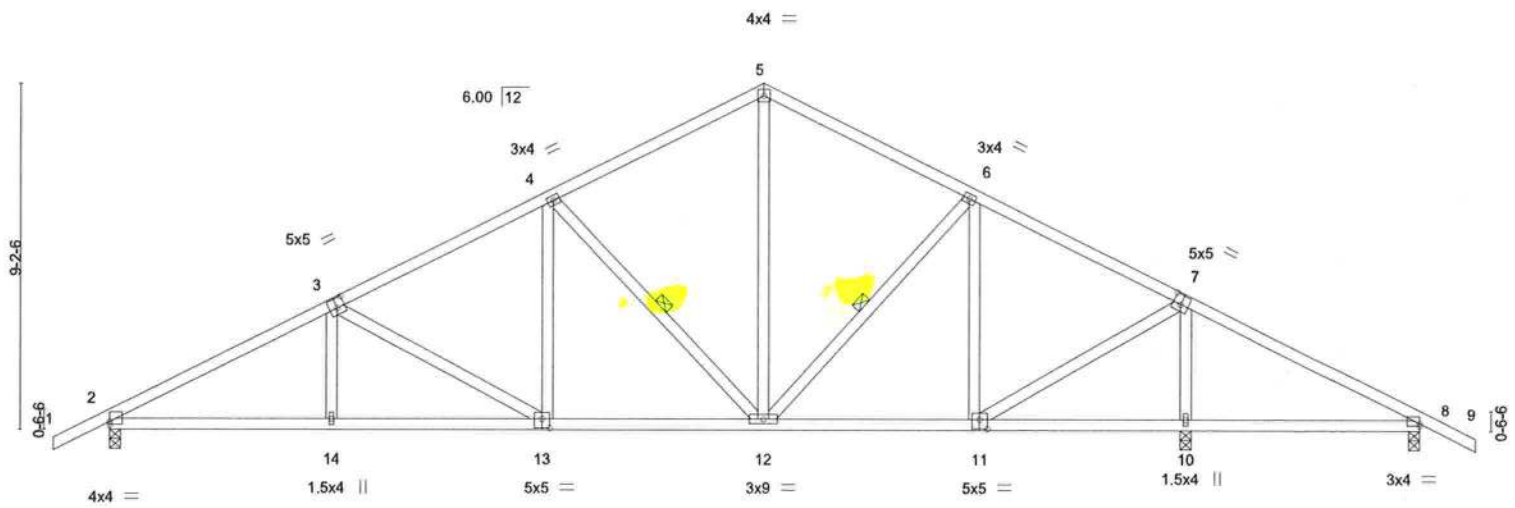
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	B02	Common	2	1	T21297614
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:33 2020 Page 1
ID:WNluglpiabc1asAivA7i4tyf0ex-TwcHcRje58vLoLP3JXdeNsiQ?oa0n6DGvsRoSNydgcm

-1-6-0	5-10-11	11-7-5	17-4-0	22-11-2	28-6-4	34-8-0	36-2-0
1-6-0	5-10-11	5-8-11	5-8-11	5-7-2	5-7-2	6-1-12	1-6-0

Scale = 1:61.5



5-10-11	11-7-5	17-4-0	22-11-2	28-6-4	34-8-0
5-10-11	5-8-11	5-8-11	5-7-2	5-7-2	6-1-12

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [8:0-0-0,0-0-12], [11:0-2-8,0-3-0], [13:0-2-8,0-3-0]

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	0.43	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.16	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 195 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-12, 6-12

REACTIONS. (size) 2=0-3-8, 10=0-3-8, 8=0-3-8
Max Horz 2=-248(LC 10)
Max Uplift 2=-224(LC 12), 10=-206(LC 12), 8=-92(LC 12)
Max Grav 2=1195(LC 1), 10=1587(LC 1), 8=253(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1910/674, 3-4=-1488/608, 4-5=-993/516, 5-6=-989/516, 6-7=-877/413, 7-8=-60/370
BOT CHORD 2-14=-460/1682, 13-14=-462/1679, 12-13=-268/1286, 11-12=-92/723, 8-10=-265/181
WEBS 3-13=-446/237, 4-13=-53/393, 4-12=-679/338, 5-12=-233/502, 6-11=-474/210, 7-11=-263/1074, 7-10=-1431/574

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 224 lb uplift at joint 2, 206 lb uplift at joint 10 and 92 lb uplift at joint 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
September 14,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12	T21297615
HICKORYCOVE12	B03	Common	3	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:34 2020 Page 1
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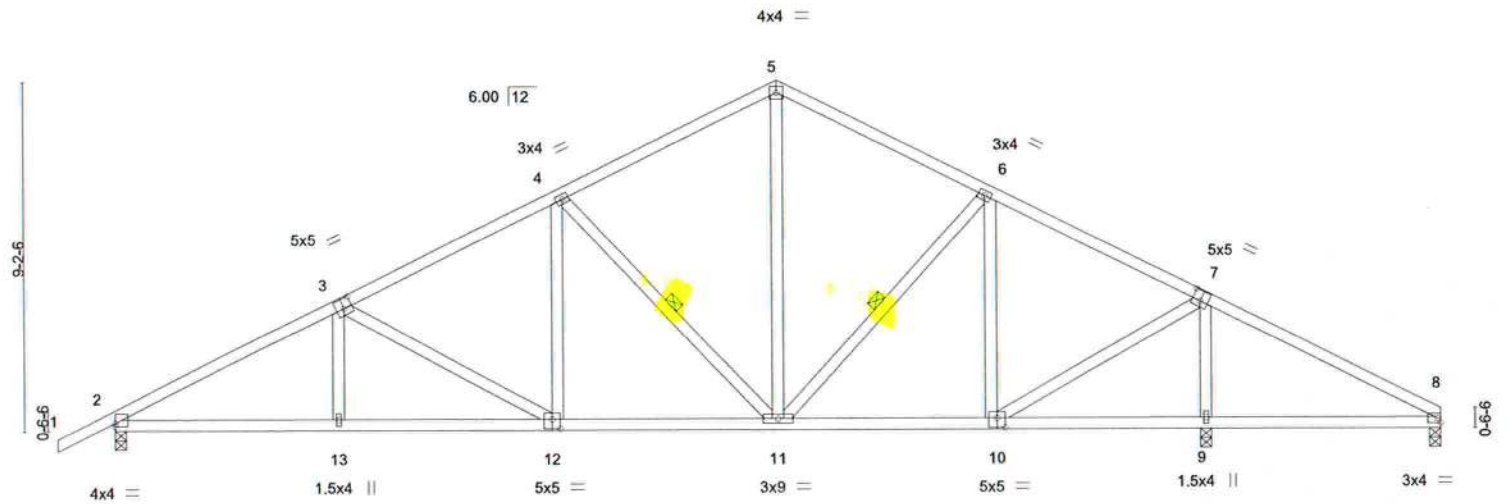
-1-6-0	5-10-11	11-7-5	17-4-0	22-11-2	28-6-4	34-8-0
1-6-0	5-10-11	5-8-11	5-8-11	5-7-2	5-7-2	6-1-12

Scale = 1:60.6



5-10-11	11-7-5	17-4-0	22-11-2	28-6-4	34-8-0
5-10-11	5-8-11	5-8-11	5-7-2	5-7-2	6-1-12

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [3:0-2-8,0-3-0], [7:0-2-8,0-3-4], [10:0-2-8,0-3-0], [12:0-2-8,0-3-0]

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	0.43	Vert(LL)	-0.08	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.16	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 193 lb	FT = 20%

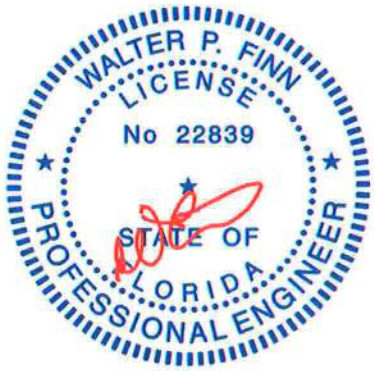
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-11, 6-11

REACTIONS. (size) 2=0-3-8, 9=0-3-8, 8=0-3-8
Max Horz 2=243(LC 11)
Max Uplift 2=-226(LC 12), 9=-206(LC 12), 8=-41(LC 21)
Max Grav 2=1200(LC 1), 9=1571(LC 1), 8=174(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1920/679, 3-4=-1498/614, 4-5=-1004/522, 5-6=-999/522, 6-7=-897/421, 7-8=-34/337
BOT CHORD 2-13=-512/1677, 12-13=-514/1675, 11-12=-309/1281, 10-11=-132/741
WEBS 3-12=-446/236, 4-12=-52/393, 4-11=-679/338, 5-11=-238/505, 6-10=-459/201, 7-10=-239/1041, 7-9=-1407/564

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 226 lb uplift at joint 2, 206 lb uplift at joint 9 and 41 lb uplift at joint 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 14,2020

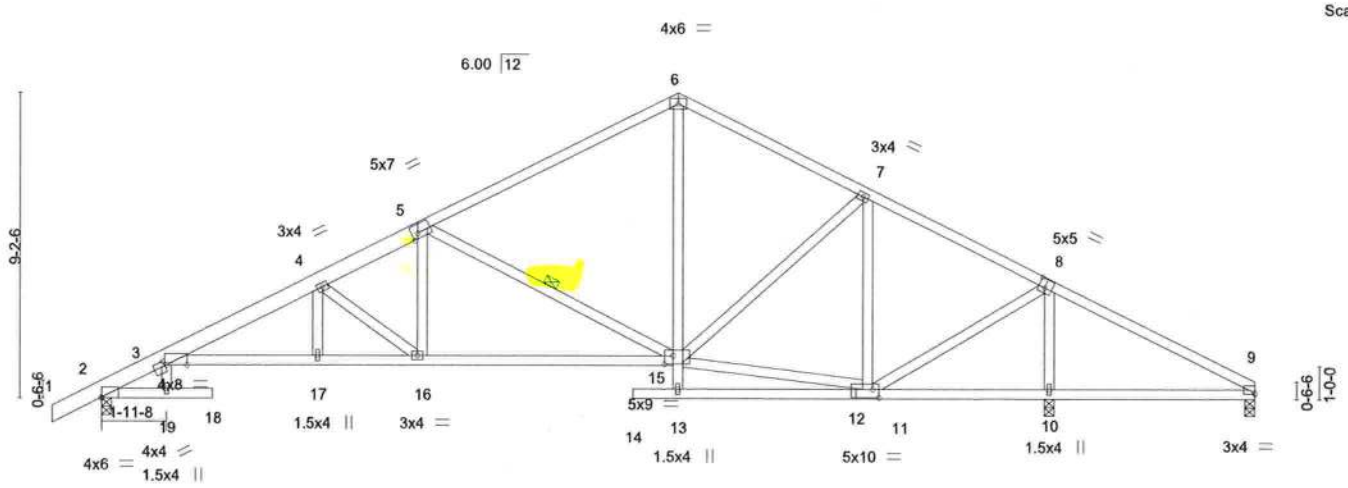
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	B04	Roof Special	3	1	T21297616
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:35 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-QJk217kvcl932fZSRyg6SHniTbB_F_PZNAwvXFydgck

1-6-0	3-4-0	9-8-0	16-0-0	17-4-0	23-0-11	28-6-4	28-9-5	34-8-0
1-6-0	3-4-0	6-4-0	6-4-0	1-4-0	5-8-11	5-5-9	0-3-1	5-10-11

Scale = 1:69.7



3-4-0	9-8-0	16-0-0	17-4-0	23-0-11	28-6-4	34-8-0
3-4-0	6-4-0	6-4-0	1-4-0	5-8-11	5-5-9	6-1-12

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-7-4,0-0-0], [3:0-0-12,0-1-12], [5:0-2-0,Edge], [8:0-2-4,0-3-4], [9:0-0-0,0-0-8], [12:0-2-4,0-3-0], [15:0-3-0,0-3-0]

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	0.69	Vert(LL)	-0.25	18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.53	18	>645	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.23	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 208 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-5: 2x6 SP SS
BOT CHORD	2x4 SP No.2 *Except*
	3-15: 2x4 SP No.1
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-15

REACTIONS. (size) 2=0-3-8, 10=0-3-8, 9=0-3-8
Max Horz 2=244(LC 11)
Max Uplift 2=-197(LC 12), 10=-226(LC 12), 9=-351(LC 21)
Max Grav 2=1167(LC 1), 10=1995(LC 1), 9=29(LC 9)

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

TOP CHORD	3-21=-552/179, 3-4=-2498/820, 4-5=-1934/706, 5-6=-1014/462, 6-7=-964/473, 7-8=-599/323, 8-9=-224/1057
BOT CHORD	3-17=-658/2358, 16-17=-658/2358, 15-16=-437/1710, 10-11=-812/244, 9-10=-851/260
WEBS	5-16=-65/676, 5-15=-1039/448, 7-11=-746/269, 8-10=-1814/659, 8-11=-330/1429, 6-15=-139/466, 7-15=0/523, 11-15=-52/453, 4-16=-839/279

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 197 lb uplift at joint 2, 226 lb uplift at joint 10 and 351 lb uplift at joint 9.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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September 14,2020

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12 T21297617
HICKORYCOVE12	C01	Roof Special	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:36 2020 Page 1
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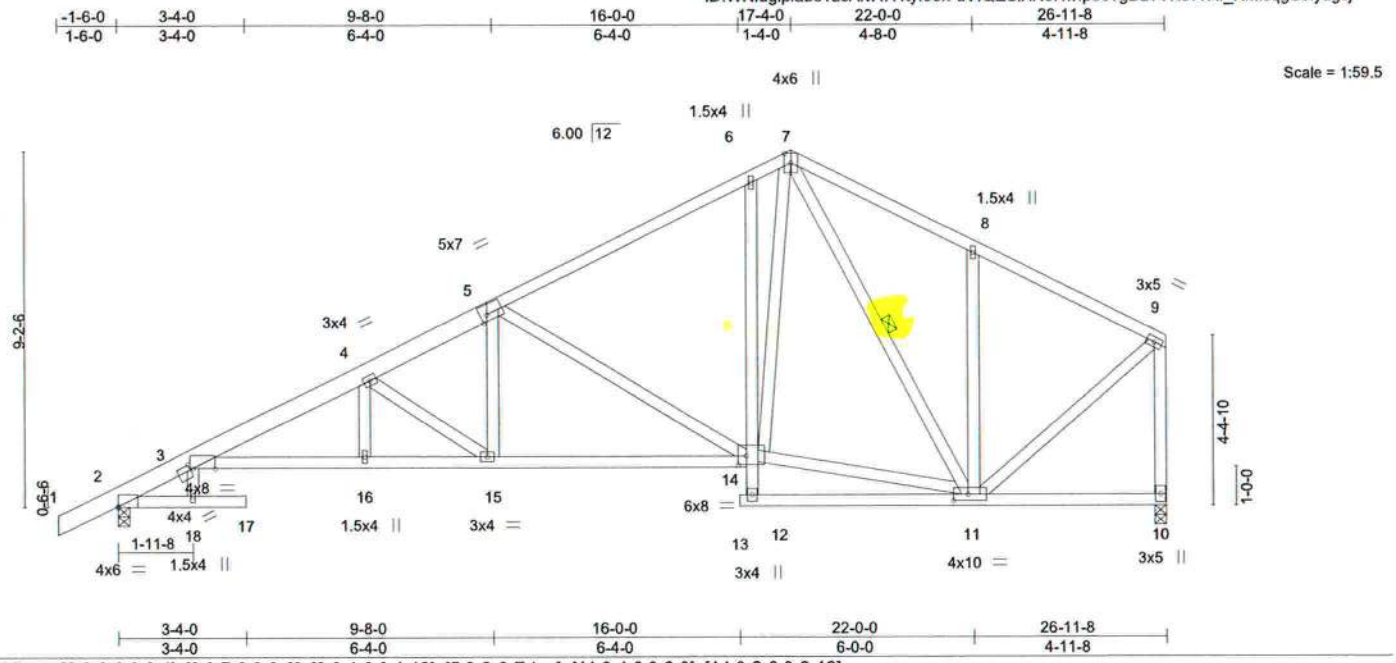

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-7-0,0-0-0], [3:0-1-0,0-1-12], [5:0-2-0,Edge], [11:0-4-8,0-2-0], [14:0-2-8,0-2-12]

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	0.71	Vert(LL)	0.27	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.53	17	>606	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.24	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 197 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-5: 2x6 SP SS
BOT CHORD 2x4 SP No.2 *Except*
3-14: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
10-0-0 oc bracing: 12-14
WEBS 1 Row at midpt 7-11

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=316(LC 11)
Max Uplift 2=-197(LC 12), 10=-149(LC 12)
Max Grav 2=1196(LC 1), 10=1077(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-20=-604/143, 3-4=-2627/928, 4-5=-1989/746, 5-6=-1172/496, 6-7=-1088/605, 7-8=-825/515, 8-9=-818/372, 9-10=-1031/406
BOT CHORD 3-16=-1075/2483, 15-16=-1075/2483, 14-15=-750/1743, 6-14=-292/249
WEBS 5-15=-145/624, 5-14=-902/432, 11-14=-277/767, 7-14=-450/1014, 7-11=-392/52, 8-11=-317/283, 9-11=-308/868, 4-15=-927/401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 197 lb uplift at joint 2 and 149 lb uplift at joint 10.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	C02	Hip	1	1	T21297618
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:37 2020 Page 1
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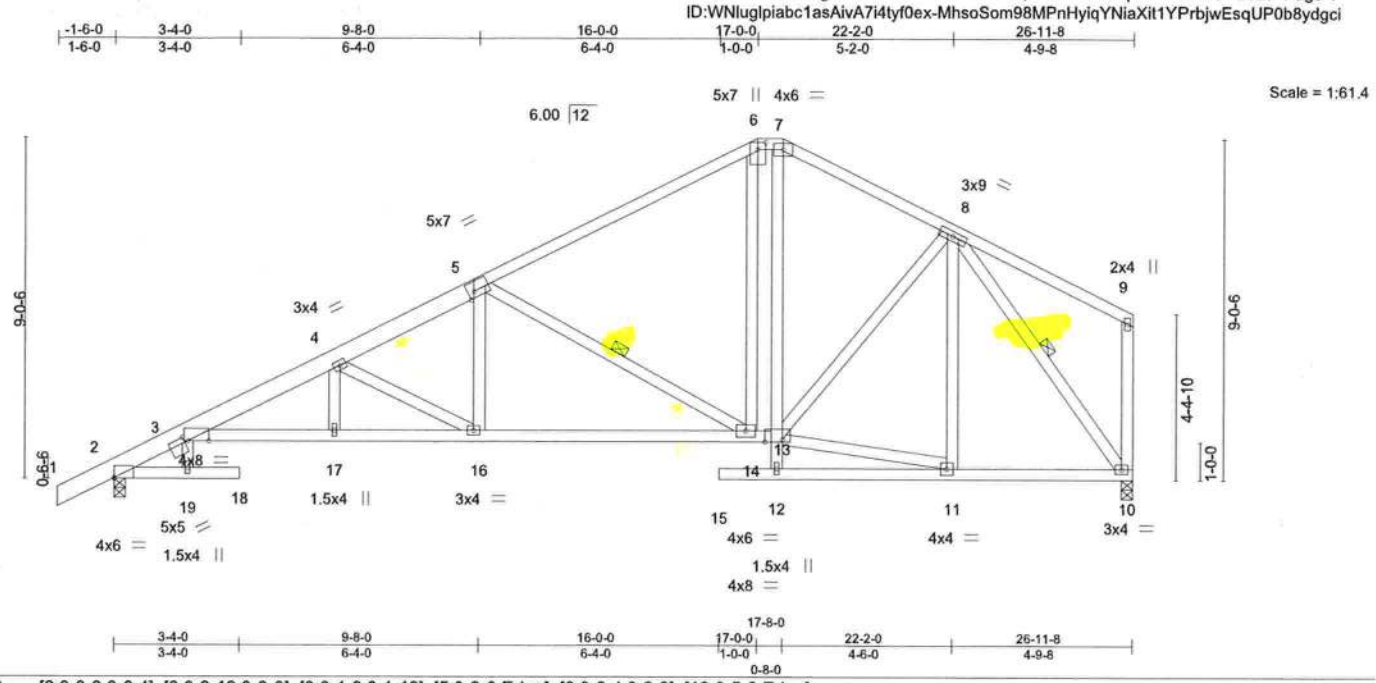

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-6-12,0-0-0], [3:0-1-3,0-1-12], [5:0-2-0,Edge], [6:0-2-4,0-2-8], [13:0-5-8,Edge]

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	0.71	Vert(LL)	0.26	18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.52	18	>623	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.24	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x6 SP SS
BOT CHORD 2x4 SP No.2 *Except* 3-13: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-14, 8-10

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=312(LC 11)
Max Uplift 2=-192(LC 12), 10=-140(LC 12)
Max Grav 2=1205(LC 1), 10=1092(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-21=-606/140, 3-4=-2751/944, 4-5=-2028/731, 5-6=-1133/457, 6-7=-878/473, 7-8=-1037/474
BOT CHORD 3-17=-1100/2611, 16-17=-1100/2611, 14-16=-756/1799, 13-14=-307/874, 6-14=-25/535, 10-11=-276/670
WEBS 5-16=-110/607, 5-14=-1013/490, 4-16=-943/394, 8-10=-1114/380, 8-13=-55/374, 11-13=-277/673

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 2 and 140 lb uplift at joint 10.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	C03	Hip	1	1	T21297619
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:38 2020 Page 1
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-1-6-0	7-7-0	15-0-0	19-8-0	26-11-8
1-6-0	7-7-0	7-5-0	4-8-0	7-3-8

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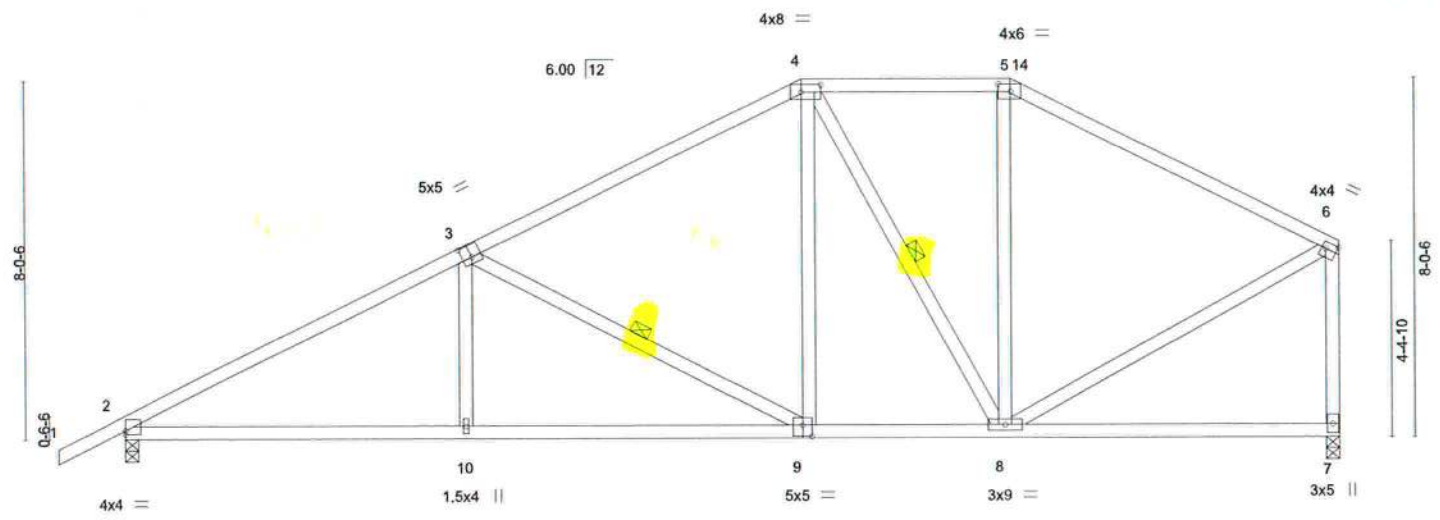

7-7-0	15-0-0	19-8-0	26-11-8
7-7-0	7-5-0	4-8-0	7-3-8

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [3:0-2-8,0-3-4], [4:0-5-4,0-2-0], [5:0-3-4,0-2-0], [6:Edge,0-1-12], [9:0-2-8,0-3-0]

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	0.54	Vert(LL)	-0.09	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.20	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 157 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-9, 4-8

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=286(LC 11)
Max Uplift 2=-216(LC 12), 7=-153(LC 12)
Max Grav 2=1165(LC 1), 7=1070(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1808/603, 3-4=-1157/484, 4-5=-760/440, 5-6=-945/410, 6-7=-996/417
BOT CHORD 2-10=-690/1542, 9-10=-692/1539, 8-9=-370/938
WEBS 3-10=0/310, 3-9=-697/368, 4-9=-114/466, 4-8=-421/147, 6-8=-260/813

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 2 and 153 lb uplift at joint 7.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	C04	Half Hip	1	1	T21297620
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:39 2020 Page 1
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1-6-0	6-7-0	6-5-0	6-11-12	6-11-12

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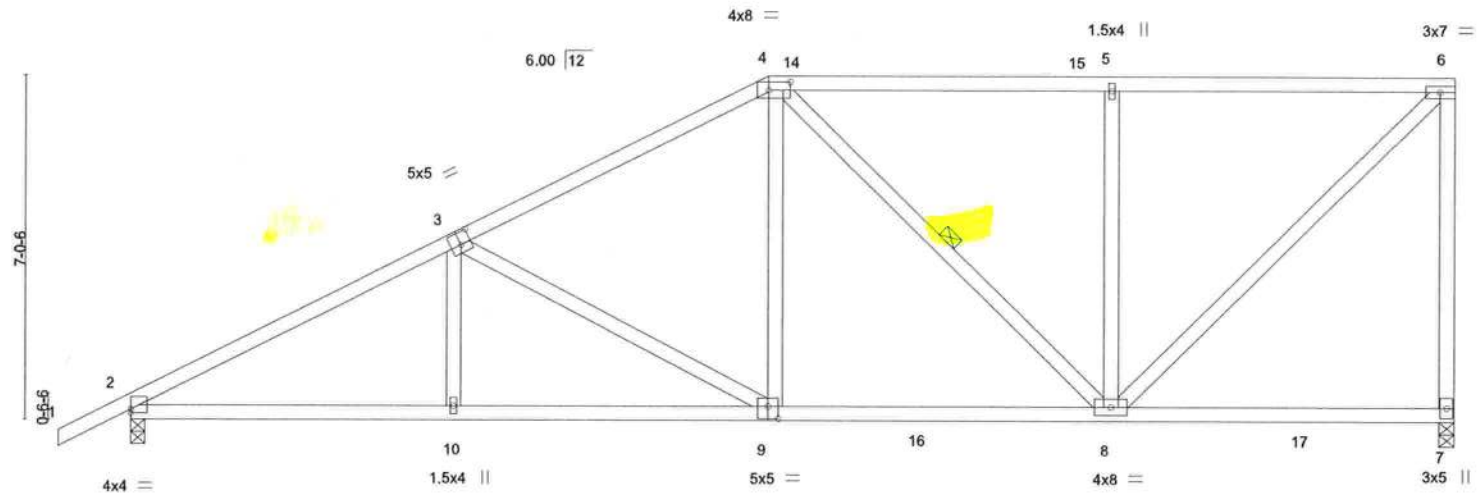

6-7-0	13-0-0	19-11-12	26-11-8
6-7-0	6-5-0	6-11-12	6-11-12

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

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	0.87	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.16	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 157 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-8

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=312(LC 11)
Max Uplift 7=-167(LC 9), 2=-213(LC 12)
Max Grav 7=1121(LC 17), 2=1165(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1834/581, 3-4=-1320/489, 4-5=-862/409, 5-6=-862/409, 6-7=-1006/419
BOT CHORD 2-10=-817/1649, 9-10=-818/1646, 8-9=-550/1174
WEBS 3-9=-541/308, 4-9=-76/482, 4-8=-383/201, 5-8=-475/287, 6-8=-460/1199

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 7 and 213 lb uplift at joint 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12 T21297621
HICKORYCOVE12	C05	Half Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:40 2020 Page 1
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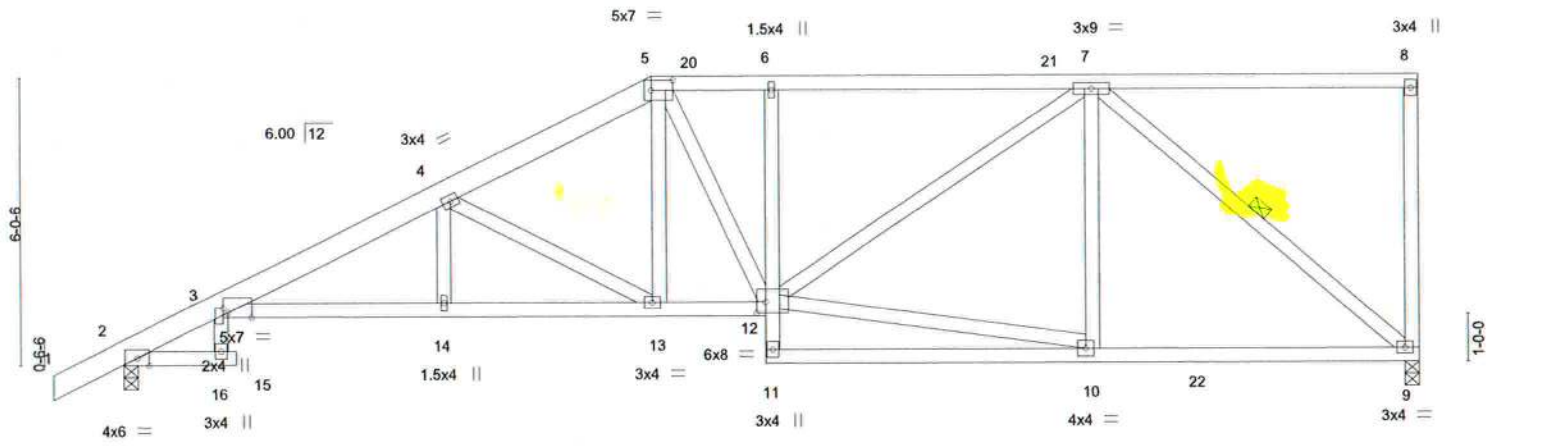
-1-6-0	2-4-0	6-8-0	11-0-0	13-4-0	20-1-12	26-11-8
1-6-0	2-4-0	4-4-0	4-4-0	2-4-0	6-9-12	6-9-12

Scale: 1/4"=1'



2-4-0	6-8-0	11-0-0	13-4-0	20-1-12	26-11-8
2-4-0	4-4-0	4-4-0	2-4-0	6-9-12	6-9-12

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

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	0.78	Vert(LL)	0.26	3-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.48	3-14	>666	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.29	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 180 lb	FT = 20%

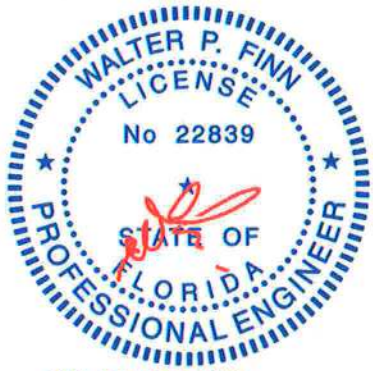
LUMBER-
TOP CHORD 2x6 SP SS *Except*
5-8: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-12: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-9

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=269(LC 11)
Max Uplift 9=-160(LC 9), 2=-211(LC 12)
Max Grav 9=1070(LC 1), 2=1171(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-18=-694/168, 3-4=-2523/858, 4-5=-1735/597, 5-6=-1526/589, 6-7=-1527/595
BOT CHORD 3-16=-129/289, 3-14=-1144/2373, 13-14=-1144/2373, 12-13=-680/1460, 6-12=-312/183, 9-10=-420/994
WEBS 4-13=-1079/538, 5-13=-206/585, 10-12=-414/877, 7-12=-328/655, 7-9=-1280/464

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 9 and 211 lb uplift at joint 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	C06	Half Hip	1	1	T21297622
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:41 2020 Page 1
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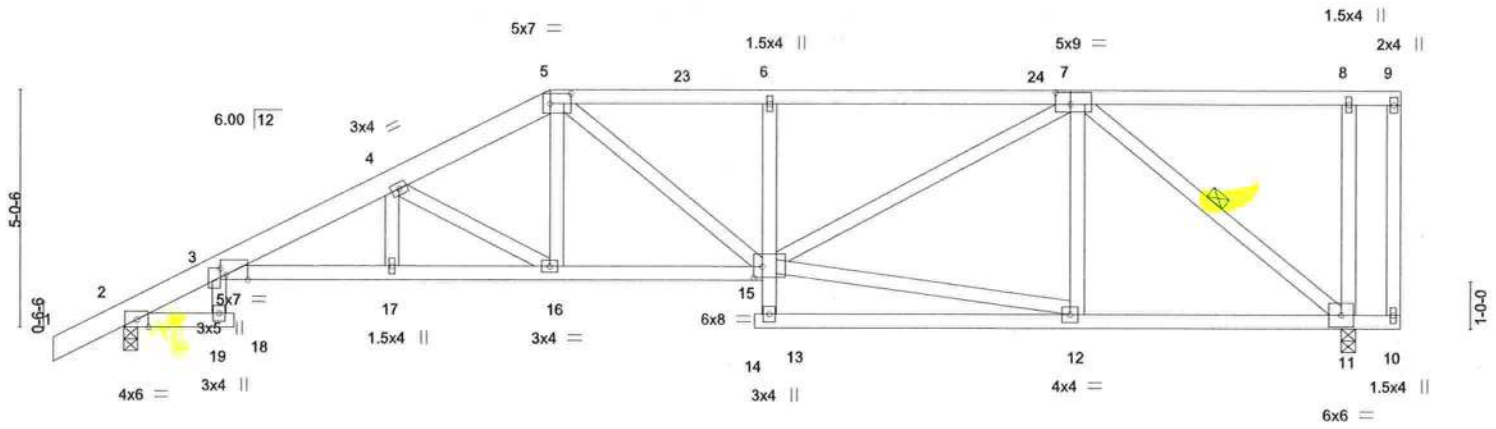

2-4-0	5-8-0	9-0-0	13-4-0	20-1-12	26-0-0	26-11-8
2-4-0	3-4-0	3-4-0	4-4-0	6-9-12	5-10-4	0-11-8

Plate Offsets (X,Y)-- [3:0-1-10,0-1-8], [3:0-5-8,Edge], [5:0-5-4,0-2-8], [7:0-3-12,0-3-0], [15:0-2-4,0-2-12]

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	0.75	Vert(LL)	0.21	3-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.41	3-17	>763	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.26	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 174 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-5: 2x6 SP SS
BOT CHORD	2x4 SP No.2 *Except*
	3-15: 2x4 SP No.1
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied. Except:
	10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 7-11

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=224(LC 11)
Max Uplift 2=-205(LC 12), 11=-178(LC 9)
Max Grav 2=1134(LC 1), 11=1113(LC 1)

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

TOP CHORD	3-21=-644/166, 3-4=-2613/895, 4-5=-1911/651, 5-6=-1815/631, 6-7=-1803/633
BOT CHORD	3-19=-113/273, 3-17=-1125/2490, 16-17=-1126/2491, 15-16=-704/1638, 6-15=-343/207, 11-12=-398/1043
WEBS	5-16=-183/570, 5-15=-63/324, 12-15=-395/909, 7-15=-369/882, 4-16=-1006/492, 7-11=-1322/442

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 2 and 178 lb uplift at joint 11.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12	T21297623
HICKORYCOVE12	C7GDR	Half Hip Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:43 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-BrD3isqwkCAw?tA_vep_nz66lquq7a8kDQsKpoydgcc

-1-6-0	2-4-0	7-0-0	13-4-0	20-1-12	26-11-8
1-6-0	2-4-0	4-8-0	6-4-0	6-9-12	6-9-12

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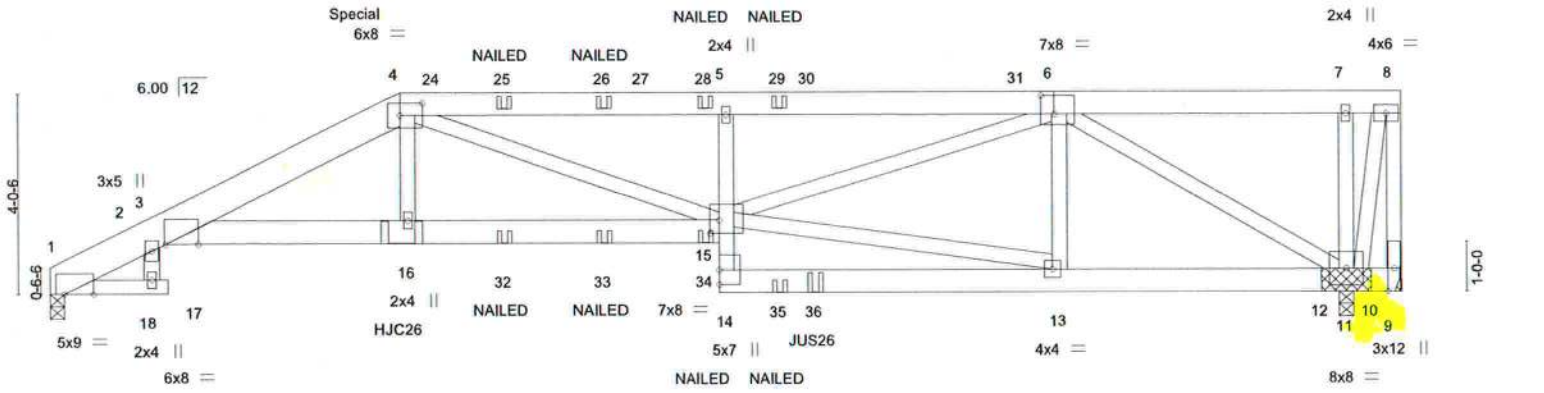


2-4-0	7-0-0	13-4-0	20-1-12	26-0-0	26-11-8
2-4-0	4-8-0	6-4-0	6-9-12	5-10-4	0-11-8

Plate Offsets (X,Y)-- [1:0-7-0,0-0-0], [3:0-7-12,0-0-0], [4:0-5-4,0-3-0], [6:0-3-4,0-4-8], [15:0-2-4,0-3-4]

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	0.51	Vert(LL)	-0.17	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.34	13-14	>906	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 405 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-4: 2x8 SP 2400F 2.0E
BOT CHORD 2x6 SP No.2 *Except*
1-17,2-18,5-14: 2x4 SP No.2
WEBS 2x4 SP No.2

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: 9-11.

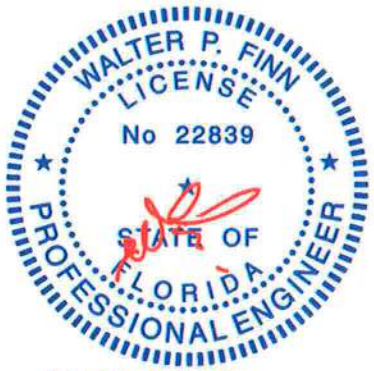
REACTIONS. (size) 1=0-3-8, 9=Mechanical, 11=(0-3-8 + bearing block) (req. 0-3-9)
Max Horz 1=159(LC 7)
Max Uplift 1=-343(LC 8), 9=-3732(LC 1), 11=-1051(LC 8)
Max Grav 1=2103(LC 1), 9=646(LC 8), 11=6038(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1372/229, 2-3=-873/157, 3-4=-5533/913, 4-5=-6199/1171, 5-6=-6086/1159, 6-7=-171/806, 7-8=-171/806, 8-9=-594/3256
BOT CHORD 1-18=-66/375, 2-18=-30/254, 3-16=-889/5122, 15-16=-889/5174, 14-15=-129/836, 5-15=-699/319, 13-14=-199/864, 11-13=-468/2367
WEBS 4-16=-9/929, 4-15=-308/1205, 13-15=-274/1516, 6-15=-729/3999, 6-13=-36/254, 7-11=-683/207, 6-11=-3725/680, 8-11=-2937/519

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2x6 SP No.2 bearing block 12" long at jt. 11 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SP No.2.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 1, 3732 lb uplift at joint 9 and 1051 lb uplift at joint 11.

Continued on page 2



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NOTES-

12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
13) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.
14) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 15-3-4 from the left end to connect truss(es) to back face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 324 lb down and 144 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-8=-60, 1-18=-20, 17-18=-20, 15-21=-20, 9-14=-20
   Concentrated Loads (lb)
   Vert: 4=-245(B) 16=-317(B) 25=-115(B) 26=-115(B) 28=-115(B) 29=-133(B) 32=-75(B) 33=-75(B) 34=-75(B) 35=-64(B) 36=-944(B)

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	CJ01	Diagonal Hip Girder	1	1	T21297624
					Job Reference (optional)

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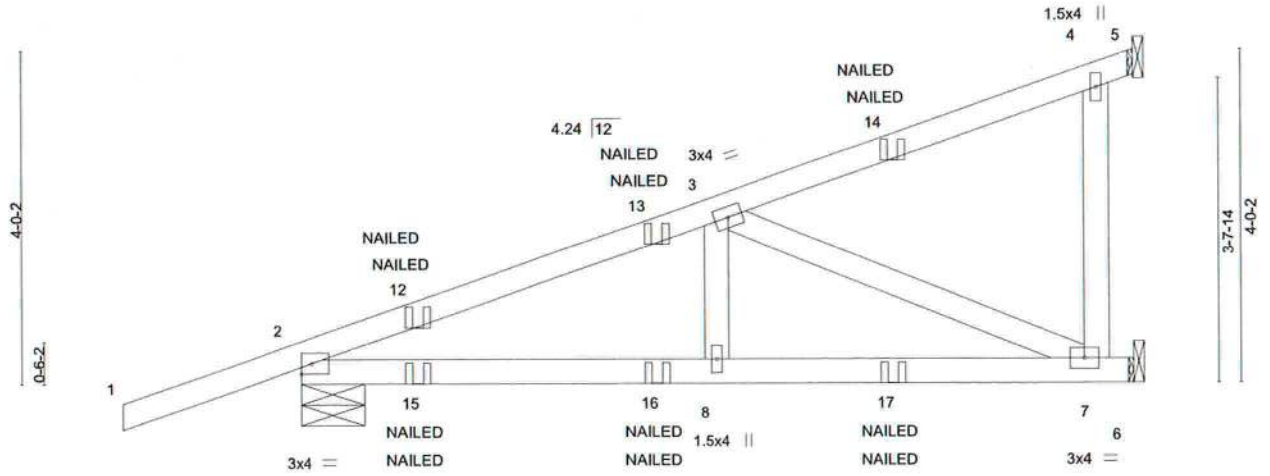
-2-1-7 / 2-1-7 | 4-11-3 / 4-11-3 | 9-10-13 / 4-11-10

Scale = 1:27.7



4-11-3 / 4-11-3 | 9-10-13 / 4-11-10

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)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.11	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 48 lb	FT = 20%

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

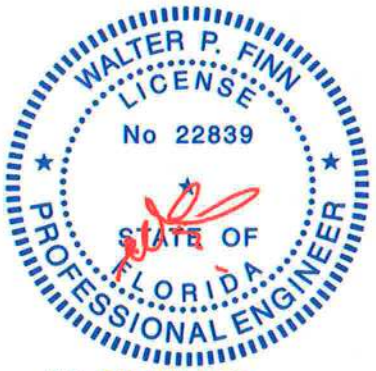
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-9-2, 6=Mechanical
Max Horz 2=164(LC 8)
Max Uplift 2=-209(LC 8), 6=-188(LC 8)
Max Grav 5=210(LC 3), 2=494(LC 28), 6=349(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-749/99
BOT CHORD 2-8=-164/648, 7-8=-164/648
WEBS 3-7=-706/179

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 2 and 188 lb uplift at joint 6.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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: 1-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 12=60(F=30, B=30) 14=-88(F=-44, B=-44) 15=59(F=30, B=30) 16=-1(F=-1, B=-1) 17=-54(F=-27, B=-27)



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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	CJ02	Diagonal Hip Girder	1	1	T21297625
					Job Reference (optional)

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-2-1-7	1-9-5	3-3-10	6-5-7	9-10-13
2-1-7	1-9-5	1-6-4	3-1-14	3-5-6

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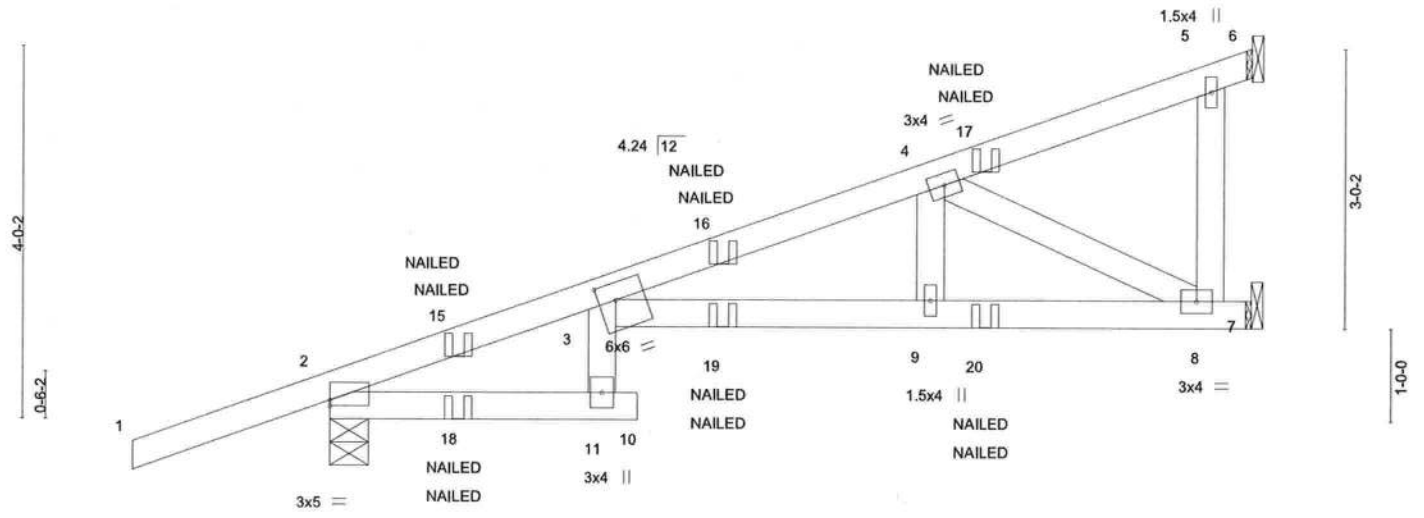

3-3-10	6-5-7	9-10-13
3-3-10	3-1-14	3-5-6

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11], [3:0-2-4,0-2-3]

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	0.92	Vert(LL)	-0.29	10	>409	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.50	10	>236	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.22	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-4-15, 7=Mechanical
Max Horz 2=164(LC 8)
Max Uplift 6=-5(LC 8), 2=-193(LC 8), 7=-74(LC 8)
Max Grav 6=215(LC 1), 2=513(LC 28), 7=270(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-13=-298/31, 3-4=-1019/97
BOT CHORD 3-9=-160/968, 8-9=-160/973
WEBS 4-8=-1087/179, 4-9=0/325

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 6, 193 lb uplift at joint 2 and 74 lb uplift at joint 7.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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=-60, 3-6=-60, 11-12=-20, 10-11=-20, 3-7=-20
Concentrated Loads (lb)
Vert: 15=60(F=30, B=30) 17=-62(F=-31, B=-31) 18=59(F=30, B=30) 19=-32(F=-16, B=-16) 20=-87(F=-43, B=-43)

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12	T21297626
HICKORYCOVE12	CJ03	Diagonal Hip Girder	2	1	Job Reference (optional)	

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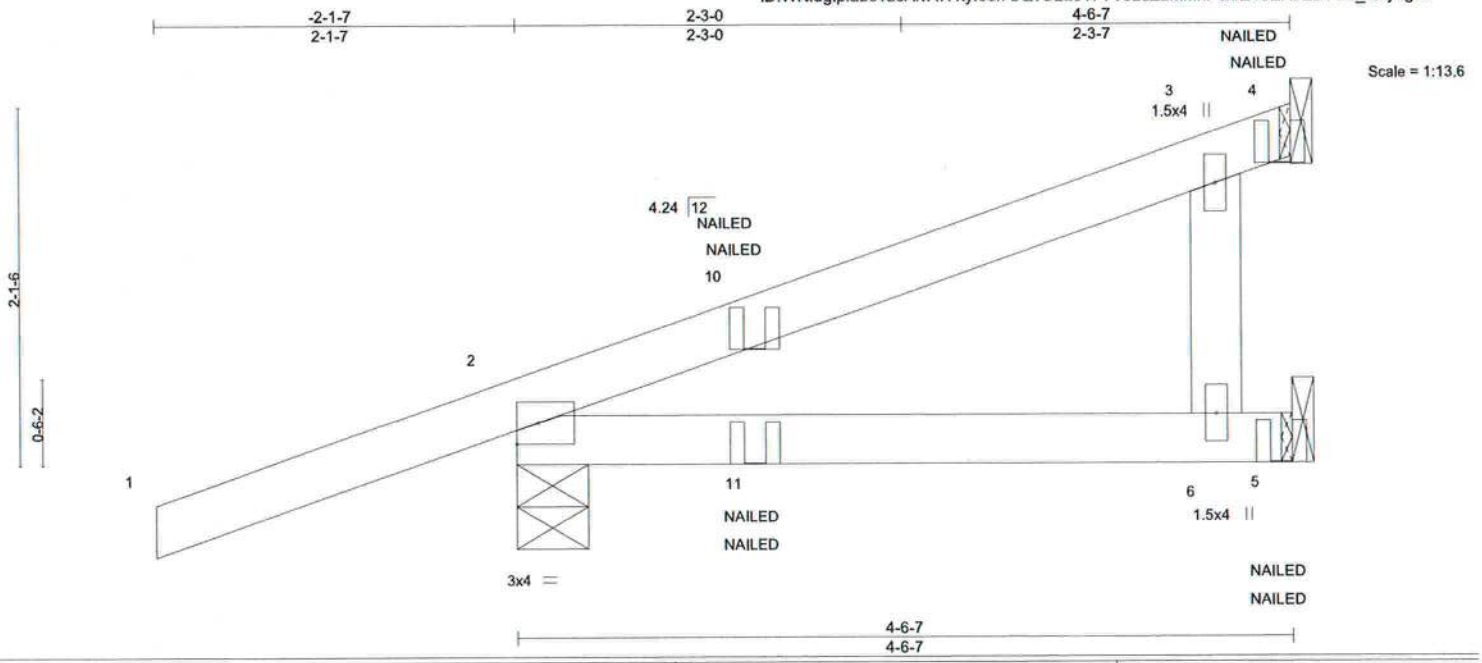

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.03	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=97(LC 8)
Max Uplift 4=-79(LC 6), 2=-178(LC 8), 5=-61(LC 8)
Max Grav 4=167(LC 24), 2=263(LC 28), 5=138(LC 28)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 4, 178 lb uplift at joint 2 and 61 lb uplift at joint 5.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
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=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 4=-36(F=-18, B=-18) 5=-20(F=-10, B=-10) 10=60(F=30, B=30) 11=59(F=30, B=30)

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	D01GE	Common Supported Gable	1	1	T21297627
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:47 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-3dTaYDuQoRgMUVTl8TtwxpHt_RUV3W0K82qYyZydgcY

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1-6-0 | 10-6-0 | 10-6-0 | 1-6-0

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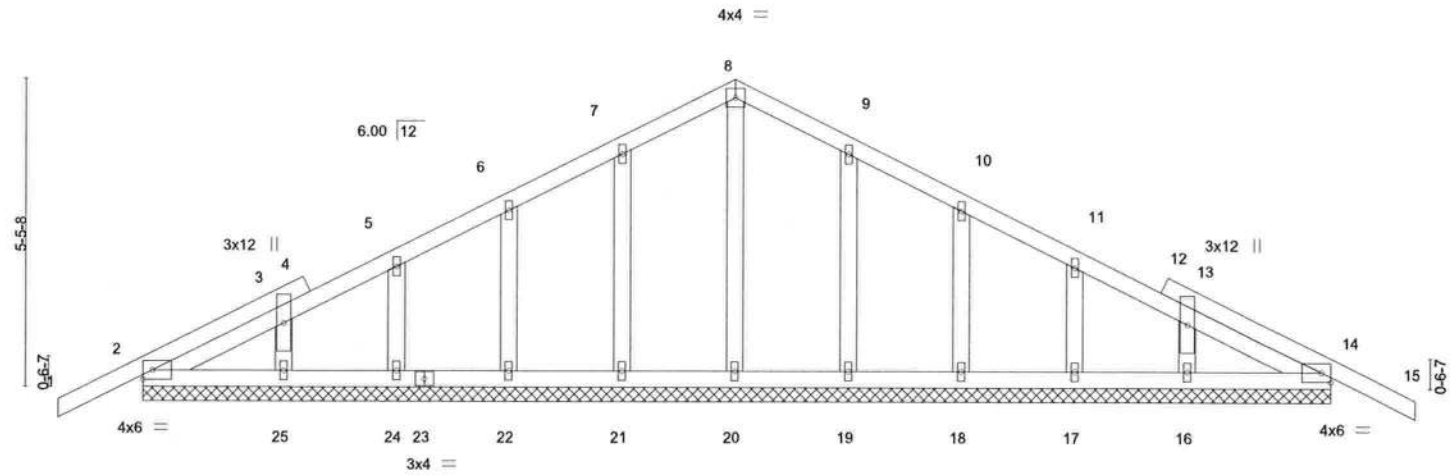

21-0-0
21-0-0

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	0.14	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 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. All bearings 21-0-0.
(lb) - Max Horz 2=-138(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 24, 25, 19, 18, 17, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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) All plates are 1.5x4 MT20 unless otherwise indicated.
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, 14, 21, 22, 24, 25, 19, 18, 17, 16.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 14.

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Date:

September 14,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	D02	Common	6	1	T21297628
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:48 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-Xp0ylZu3YloD5f2yiBP9U1q0xrkoow2TMia5U?ydgcX

-1-6-0	5-4-0	10-6-0	15-8-0	21-0-0	22-6-0
1-6-0	5-4-0	5-2-0	5-2-0	5-4-0	1-6-0

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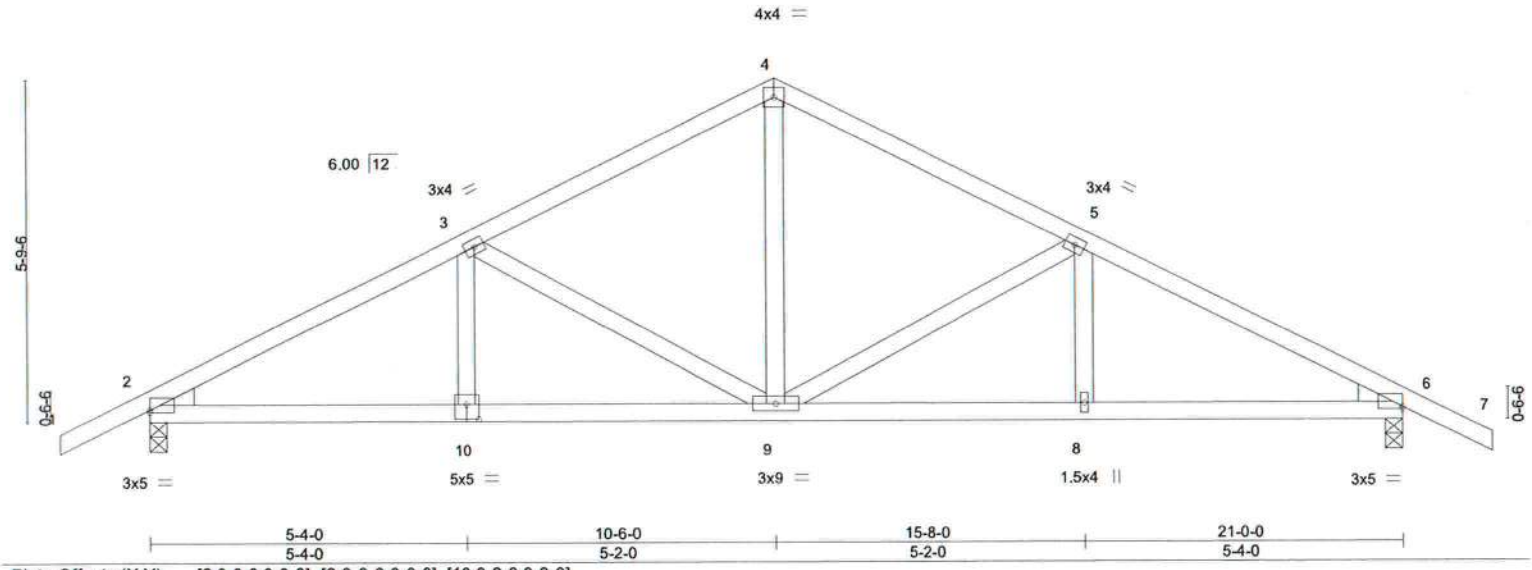


5-4-0	10-6-0	15-8-0	21-0-0
5-4-0	5-2-0	5-2-0	5-4-0

Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [6:0-0-0,0-0-8], [10:0-2-8,0-3-0]

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	0.32	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.11	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 105 lb	FT = 20%

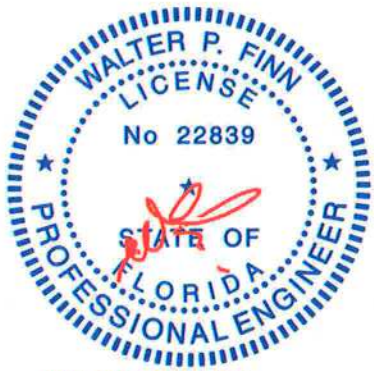
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-146(LC 10)
Max Uplift 2=-183(LC 12), 6=-183(LC 12)
Max Grav 2=930(LC 1), 6=930(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1386/480, 3-4=-990/412, 4-5=-990/412, 5-6=-1386/480
BOT CHORD 2-10=-300/1172, 9-10=-300/1172, 8-9=-312/1172, 6-8=-312/1172
WEBS 4-9=-158/515, 5-9=-425/226, 3-9=-425/226

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 2=183, 6=183.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
September 14,2020

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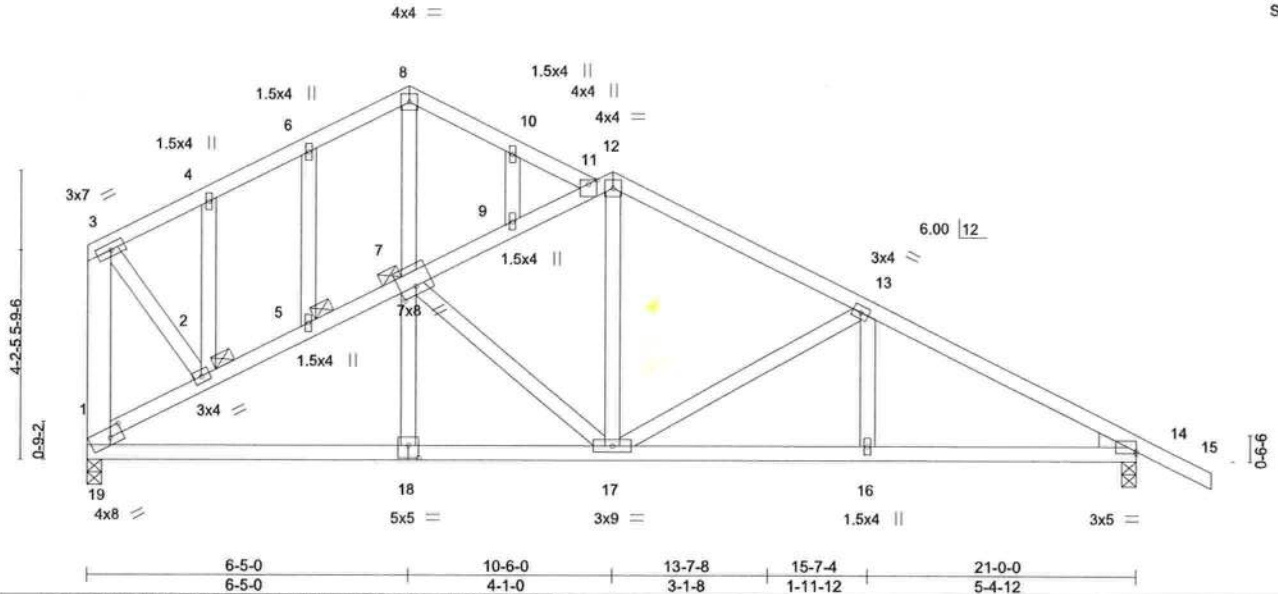
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	D03GE	Common Structural Gable	1	1	T21297629
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:49 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-??aKzvvhJ2w4jod8FuwO0EMAfF3?XNMdbMJe0RydgcW

2-5-0	4-5-0	6-5-0	8-6-0	10-6-0	13-7-8	15-7-4	21-0-0	22-6-0
2-5-0	2-0-0	2-0-0	2-1-0	2-0-0	3-1-8	1-11-12	5-4-12	1-6-0

Scale = 1:46.4



6-5-0	10-6-0	13-7-8	15-7-4	21-0-0
6-5-0	4-1-0	3-1-8	1-11-12	5-4-12

Plate Offsets (X,Y)-- [7:0-4-0,0-2-0], [14:0-0-0,0-0-8], [18:0-2-8,0-3-0], [19:0-3-2,0-2-4]

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	0.32	Vert(LL)	-0.05	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.10	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 150 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
3-19: 2x6 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 7, 5, 2

REACTIONS. (size) 19=0-3-8, 14=0-3-8
Max Horz 19=-274(LC 10)
Max Uplift 19=-118(LC 12), 14=-182(LC 12)
Max Grav 19=828(LC 1), 14=924(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-751/347, 1-3=-309/240, 12-13=-974/401, 13-14=-1372/456, 1-2=-1098/366, 2-5=-970/254, 5-7=-957/232, 7-9=-819/302, 9-11=-789/277, 11-12=-797/323, 4-6=-253/276, 6-8=-230/312, 8-10=-239/311, 10-11=-261/274
BOT CHORD 18-19=-20/919, 17-18=-20/919, 16-17=-260/1159, 14-16=-260/1159
WEBS 12-17=-35/437, 2-3=-166/272, 13-17=-423/228

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 19=118, 14=182.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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September 14,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	D04	Common	3	1	T21297630
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:49 2020 Page 1
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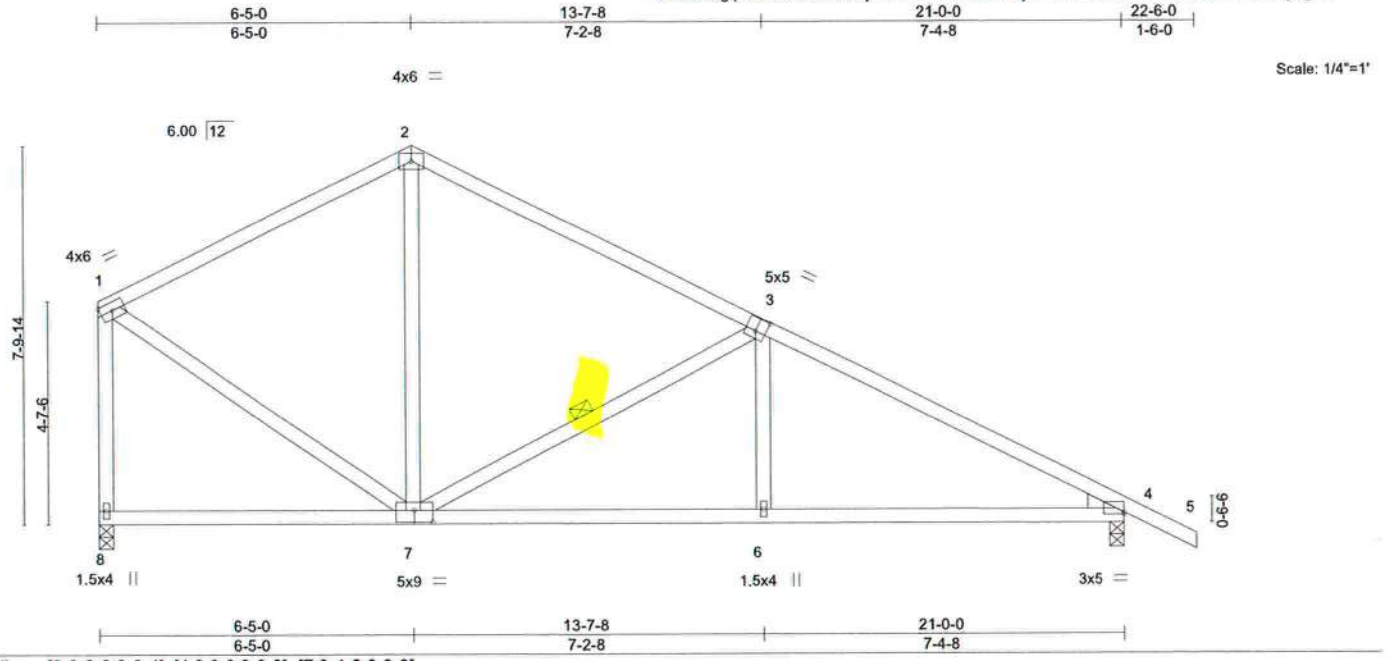


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [4:0-0-0,0-0-8], [7:0-4-8,0-3-0]

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	0.46	Vert(LL)	-0.05	6-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.12	6-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 115 lb	FT = 20%

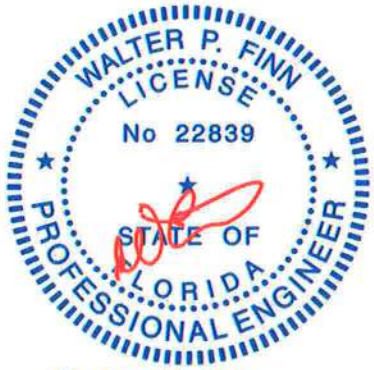
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-7

REACTIONS. (size) 8=0-3-8, 4=0-3-8
Max Horz 8=-283(LC 10)
Max Uplift 8=-119(LC 12), 4=-182(LC 12)
Max Grav 8=831(LC 1), 4=927(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-659/329, 2-3=-683/328, 3-4=-1316/444, 1-8=-773/346
BOT CHORD 7-8=-143/281, 6-7=-224/1090, 4-6=-222/1093
WEBS 2-7=-16/263, 3-7=-679/357, 3-6=0/295, 1-7=-218/594

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 8=119, 4=182.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date: September 14,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	D05	Common	1	1	T21297631
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:50 2020 Page 1
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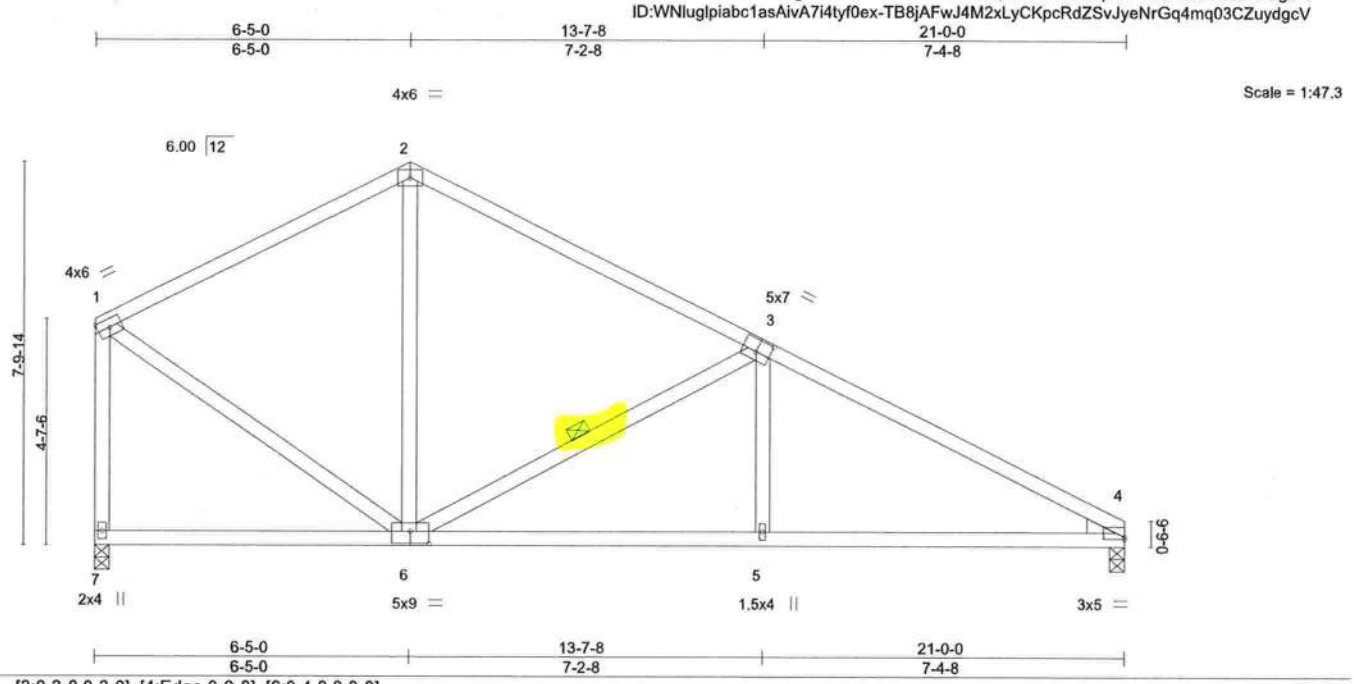

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [4:Edge,0-0-8], [6:0-4-8,0-3-0]

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	0.48	Vert(LL)	-0.05	5-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	5-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 112 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-6

REACTIONS. (size) 7=0-3-8, 4=0-3-8
Max Horz 7=-269(LC 10)
Max Uplift 7=-122(LC 12), 4=-116(LC 12)
Max Grav 7=834(LC 1), 4=834(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-662/332, 2-3=-686/333, 3-4=-1331/464, 1-7=-776/348
BOT CHORD 5-6=-306/1106, 4-5=-305/1109
WEBS 2-6=-21/265, 3-6=-693/367, 3-5=0/297, 1-6=-219/597

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 7=122, 4=116.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

September 14,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	G01GE	GABLE	1	1	T21297632
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:51 2020 Page 1
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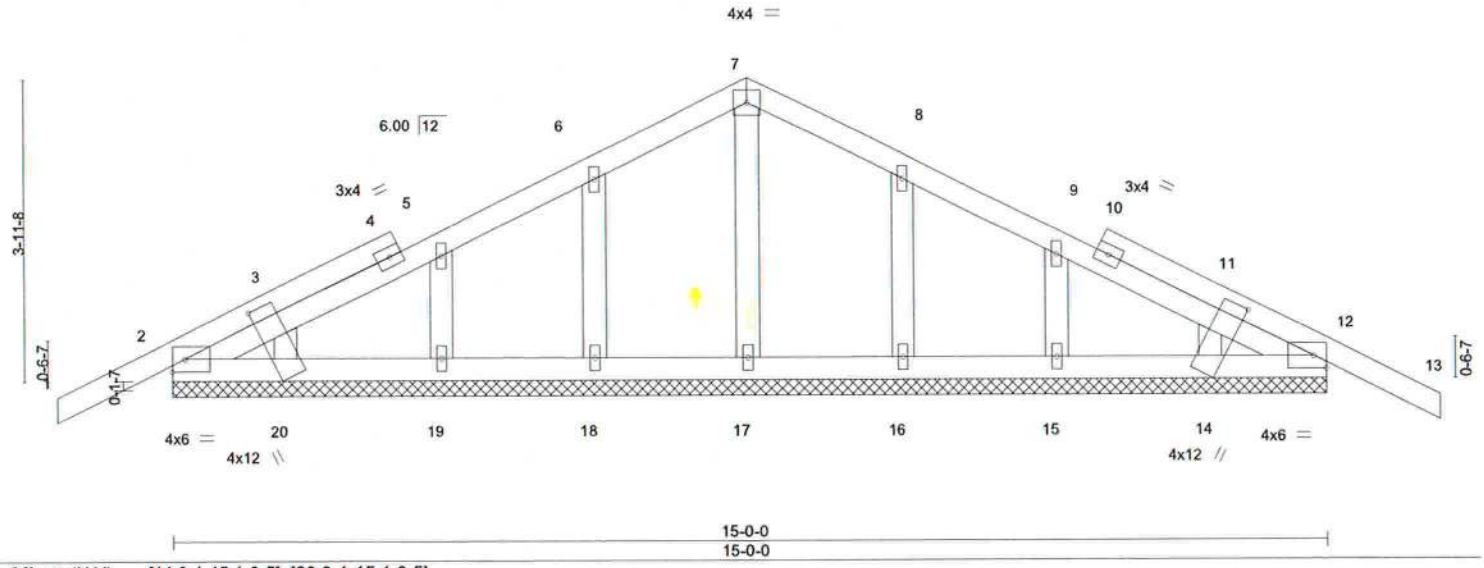
Scale = 1:30.2



15-0-0
15-0-0

Plate Offsets (X,Y)-- [14:0-1-15,1-0-5], [20:0-1-15,1-0-5]

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	0.14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 79 lb	FT = 20%

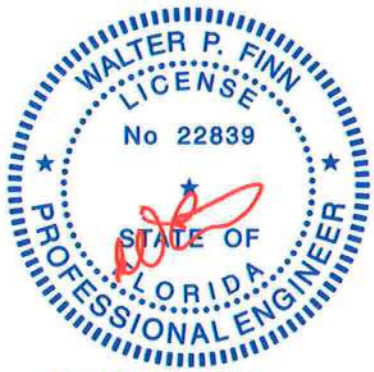
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. All bearings 15-0-0.
(lb) - Max Horz 2=102(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 19, 20, 16, 15, 14 except 2=-103(LC 12), 12=-103(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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) All plates are 1.5x4 MT20 unless otherwise indicated.
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) 18, 19, 20, 16, 15, 14 except (jt=lb) 2=103, 12=103.



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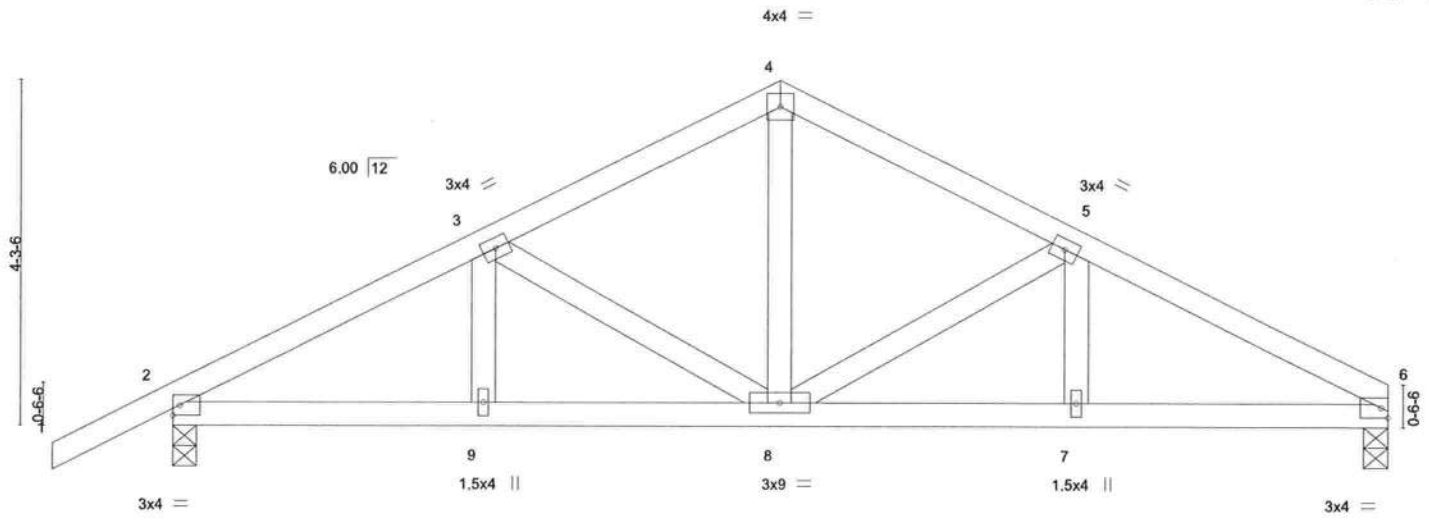
Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	G02	Common	4	1	T21297633
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:52 2020 Page 1
ID:WNlugIpiabc1asAivA7i4tyf0ex-QaGTbxxZczIeaGMjx1T5et_jSS7Okmc3HKYIdmydgcT

-1-6-0	3-10-0	7-6-0	11-2-0	15-0-0
1-6-0	3-10-0	3-8-0	3-8-0	3-10-0

Scale = 1:28.7



3-10-0	7-6-0	11-2-0	15-0-0
3-10-0	3-8-0	3-8-0	3-10-0

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	0.22	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.05	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 73 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=106(LC 11)
Max Uplift 6=-82(LC 12), 2=-152(LC 12)
Max Grav 6=595(LC 1), 2=694(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-939/354, 3-4=-697/317, 4-5=-698/318, 5-6=-960/369
BOT CHORD 2-9=-252/786, 8-9=-252/786, 7-8=-267/809, 6-7=-267/809
WEBS 4-8=-125/355, 5-8=-288/169, 3-8=-260/151

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 6 except (jt=lb) 2=152.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	G3GRD	Common Girder	1	2	T21297634
					Job Reference (optional)

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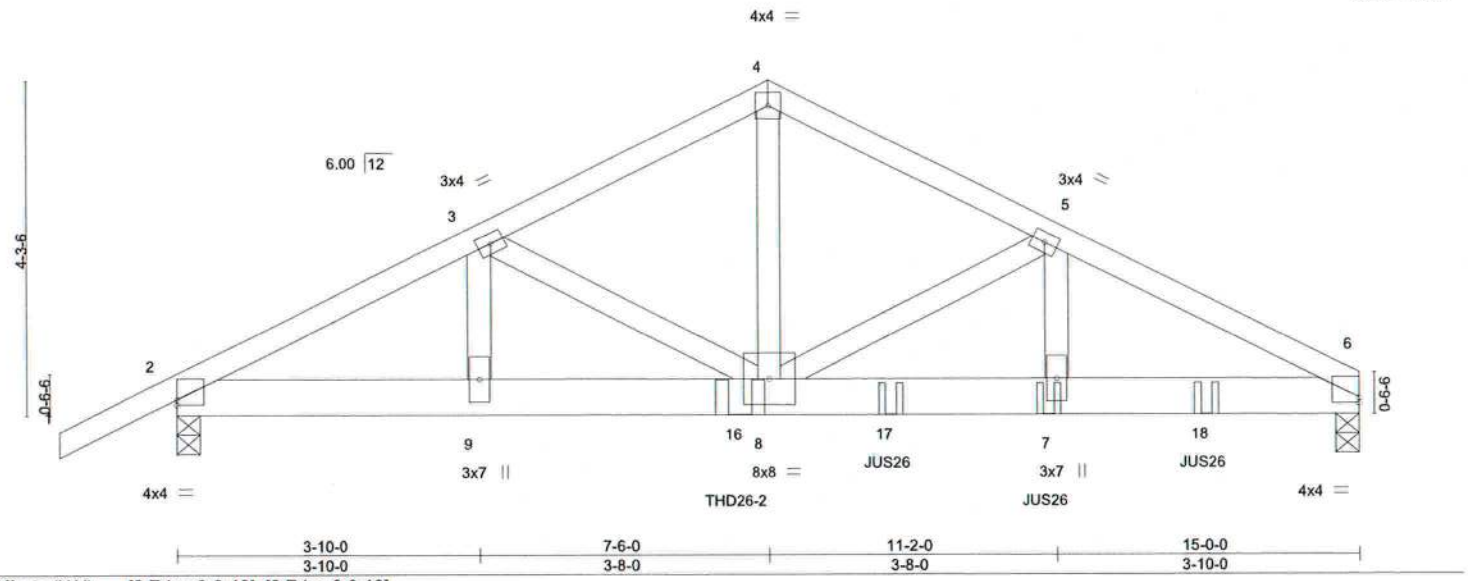
ID:WNlugIpiabc1asAivA7i4tyf0ex-umqrpGyBNHQVCQxvUk_KB4XuTsLOT92DW_HsADydgcS

-1-6-0 | 3-10-0 | 7-6-0 | 11-2-0 | 15-0-0
1-6-0 | 3-10-0 | 3-8-0 | 3-8-0 | 3-10-0

Scale = 1:29.5



3-10-0 | 7-6-0 | 11-2-0 | 15-0-0
3-10-0 | 3-8-0 | 3-8-0 | 3-10-0

Plate Offsets (X,Y)-- [2:Edge,0-0-13], [6:Edge,0-0-13]

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	0.21	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 169 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-2 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=106(LC 24)
Max Uplift 6=-517(LC 8), 2=-392(LC 8)
Max Grav 6=3224(LC 1), 2=2062(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3701/613, 3-4=-3603/646, 4-5=-3604/647, 5-6=-5339/882
BOT CHORD 2-9=-500/3256, 8-9=-500/3256, 7-8=-744/4745, 6-7=-744/4745
WEBS 4-8=-485/2944, 5-8=-1799/316, 5-7=-178/1454, 3-8=-289/170

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: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 6=517, 2=392.
8) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to back face of bottom chord.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 13-0-12 to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

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: 1-4=-60, 4-6=-60, 10-13=-20

Concentrated Loads (lb)

Vert: 7=-732(B) 16=-1444(B) 17=-701(B) 18=-1118(B)

Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	H1GDR	Hip Girder	1	1	T21297635
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

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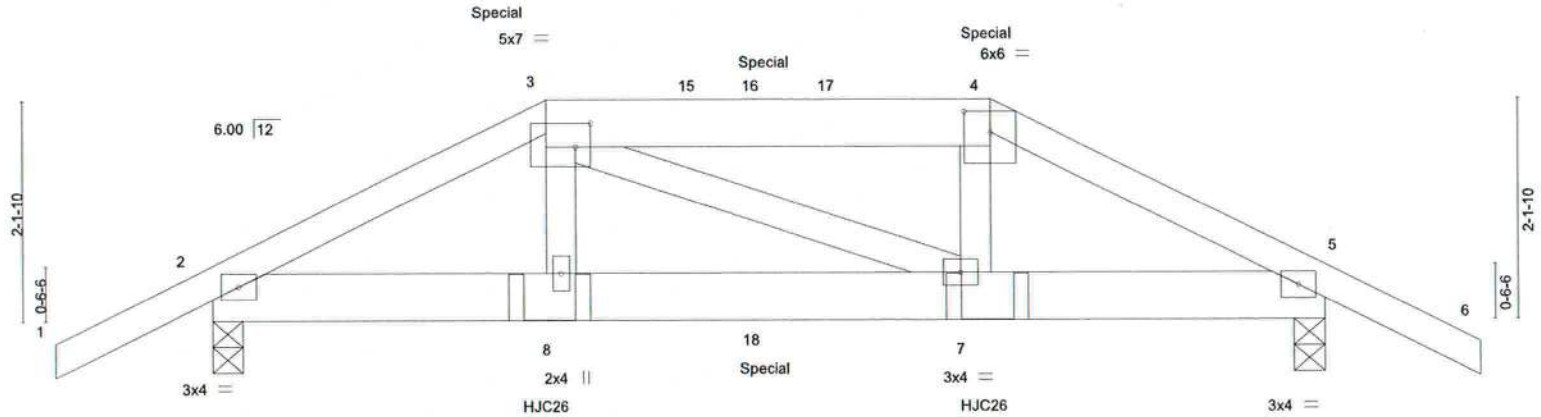
ID:WNlugIpiabc1asAivA7i4tyf0ex-ILV_RI?4gCp43tfUAsY1pi9PL3V5gbNfCxWWmXydgcP

-1-6-0	3-2-8	7-5-8	10-8-0	12-2-0
1-6-0	3-2-8	4-3-0	3-2-8	1-6-0

Scale = 1:22.3



3-2-8	7-5-8	10-8-0
3-2-8	4-3-0	3-2-8

Plate Offsets (X,Y)-- [3:0-1-12,0-2-12], [4:0-3-0,0-2-7]

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	0.16	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.03	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 60 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=57(LC 24)
Max Uplift 2=-262(LC 8), 5=-262(LC 8)
Max Grav 2=694(LC 29), 5=693(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1000/349, 3-4=-883/322, 4-5=-1000/348
BOT CHORD 2-8=-269/895, 7-8=-270/909, 5-7=-266/883

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=262, 5=262.
7) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 4-2-4 oc max. starting at 3-2-14 from the left end to 7-5-2 to connect truss(es) to back face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 271 lb down and 175 lb up at 3-2-8, and 146 lb down and 104 lb up at 5-3-4, and 271 lb down and 175 lb up at 7-5-8 on top chord, and 45 lb down at 5-3-4 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).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 3=34(B) 4=34(B) 8=-113(B) 7=-113(B) 16=-29(B) 18=-20(B)

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	H02	Hip	1	1	T21297636
					Job Reference (optional)

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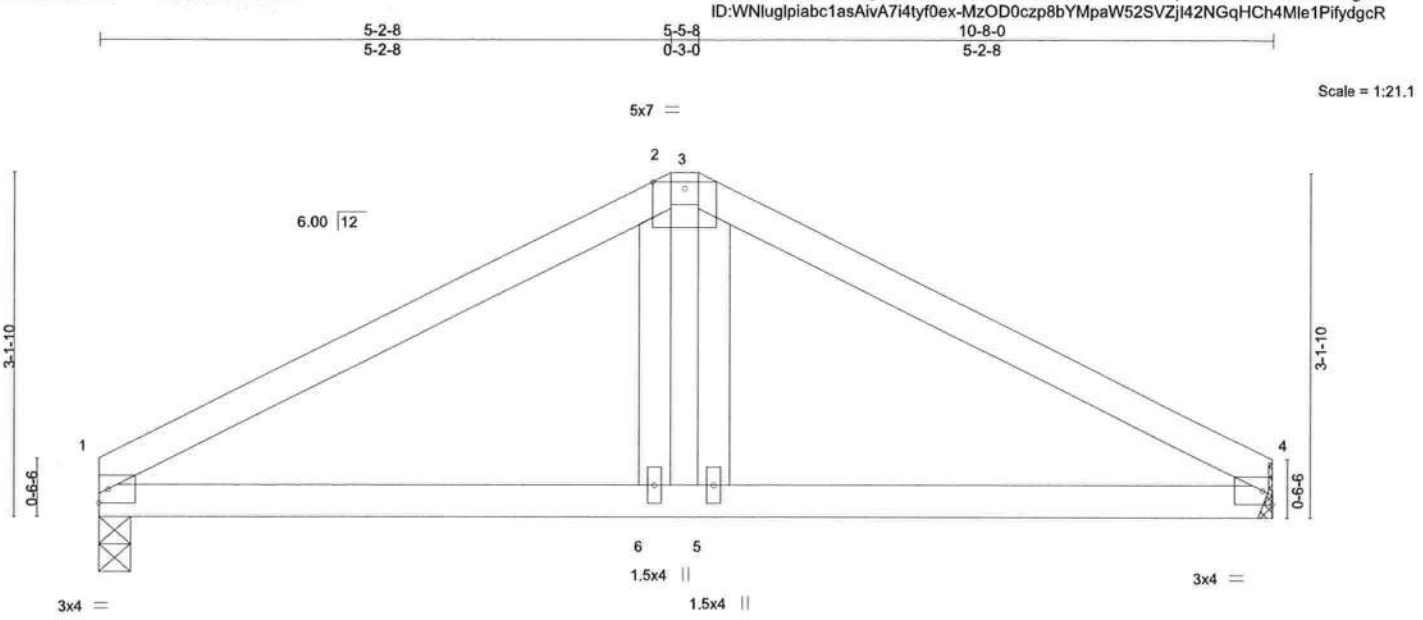

Plate Offsets (X,Y)-- [2:0-3-8,0-0-12]

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	0.26	Vert(LL)	-0.02	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.04	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 41 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 4=Mechanical
Max Horz 1=-64(LC 10)
Max Uplift 1=-61(LC 12), 4=-61(LC 12)
Max Grav 1=427(LC 1), 4=427(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-578/264, 2-3=-453/302, 3-4=-578/264
BOT CHORD 1-6=-145/457, 5-6=-145/453, 4-5=-145/457

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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) 1, 4.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	H03	Common	1	1	T21297637
					Job Reference (optional)

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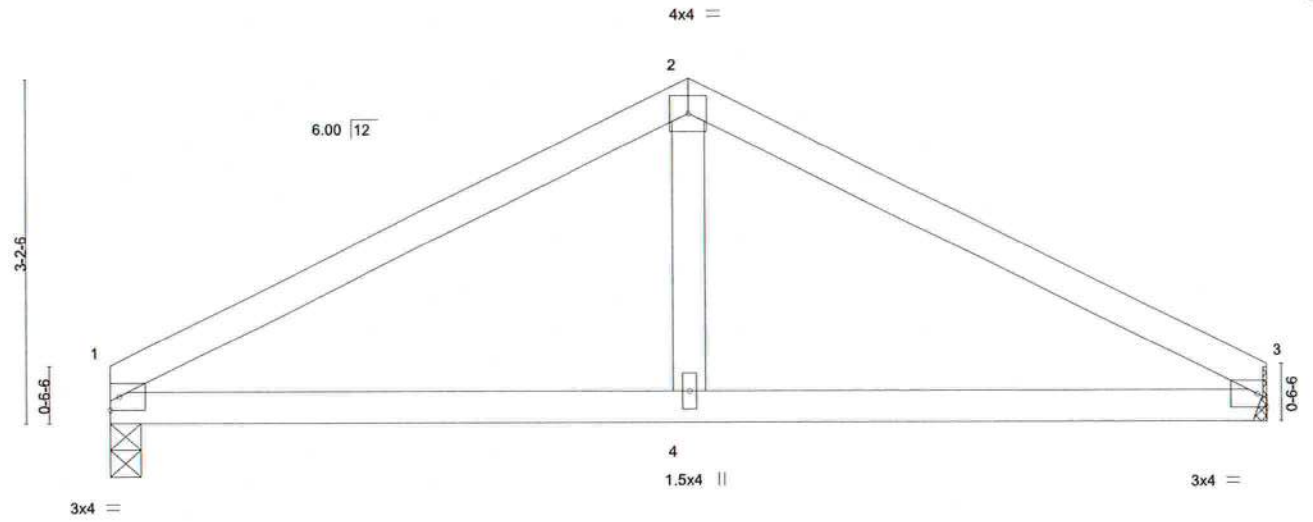
5-4-0 10-8-0
5-4-0 5-4-0

Scale = 1:21.4



5-4-0 10-8-0
5-4-0 5-4-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.04	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 38 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 3=Mechanical
Max Horz 1=-65(LC 10)
Max Uplift 1=-61(LC 12), 3=-61(LC 12)
Max Grav 1=427(LC 1), 3=427(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-578/265, 2-3=-578/265
BOT CHORD 1-4=-145/457, 3-4=-145/457

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 1, 3.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	H04	Flat	1	1	T21297638
					Job Reference (optional)

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8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:55 2020 Page 1
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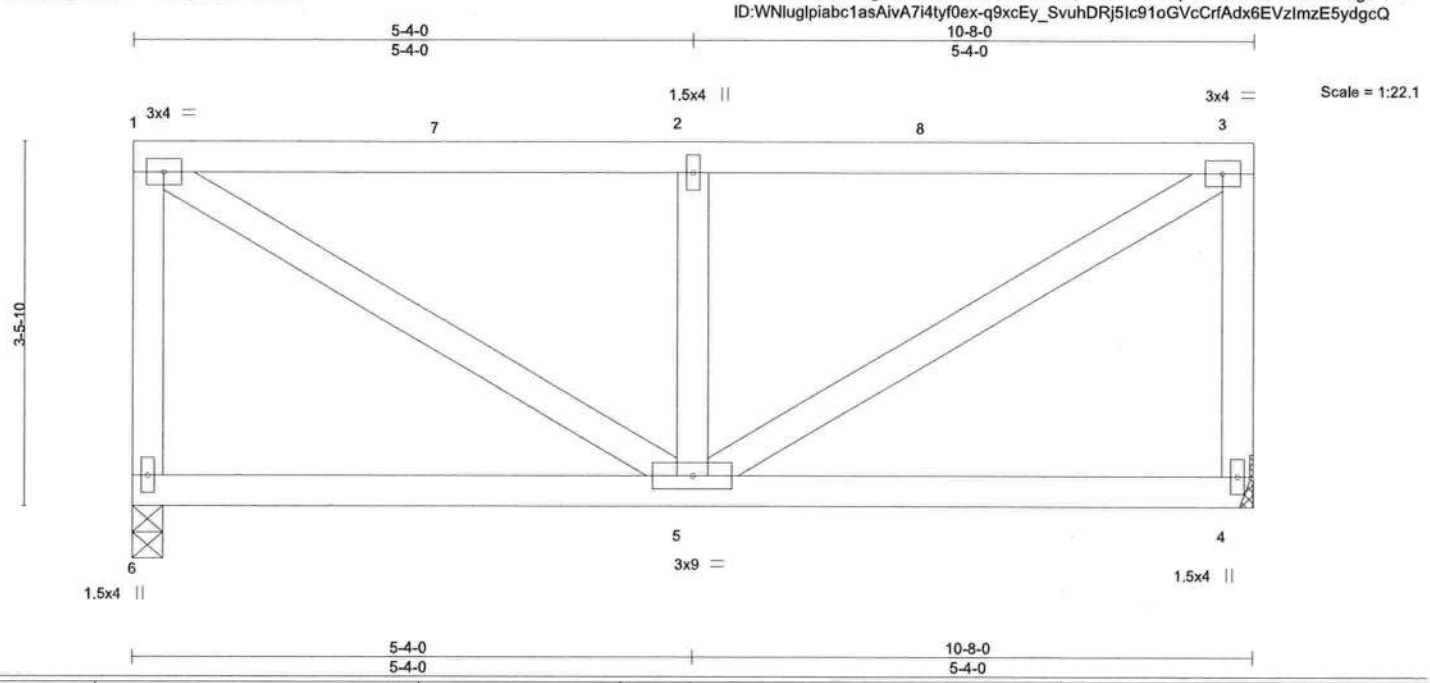

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 61 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-8, 4=Mechanical
Max Horz 6=-132(LC 8)
Max Uplift 6=-94(LC 8), 4=-94(LC 9)
Max Grav 6=415(LC 1), 4=415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-365/238, 1-2=-404/190, 2-3=-404/190, 3-4=-365/238
WEBS 1-5=-258/440, 2-5=-352/278, 3-5=-259/440

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) 6, 4.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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September 14,2020

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J01	Jack-Open	8	1	T21297639
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:56 2020 Page 1
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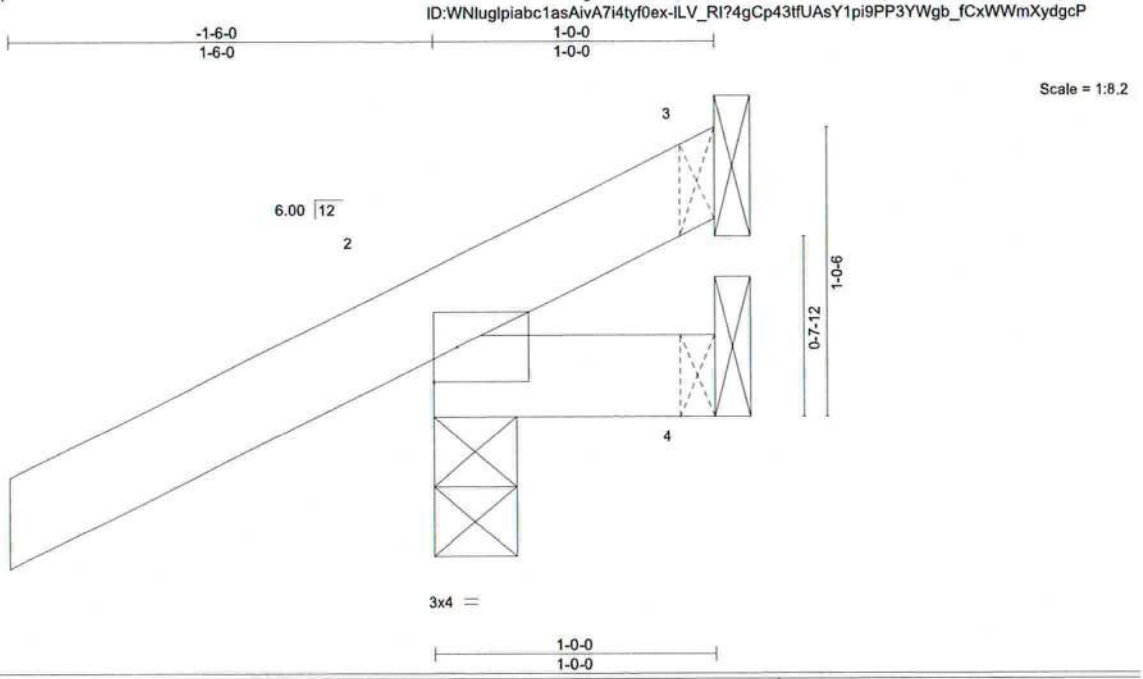

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 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=58(LC 12)
Max Uplift 3=-8(LC 1), 2=-115(LC 12), 4=-21(LC 1)
Max Grav 3=13(LC 12), 2=198(LC 1), 4=28(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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=115.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J02	Jack-Open	6	1	T21297640
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:57 2020 Page 1
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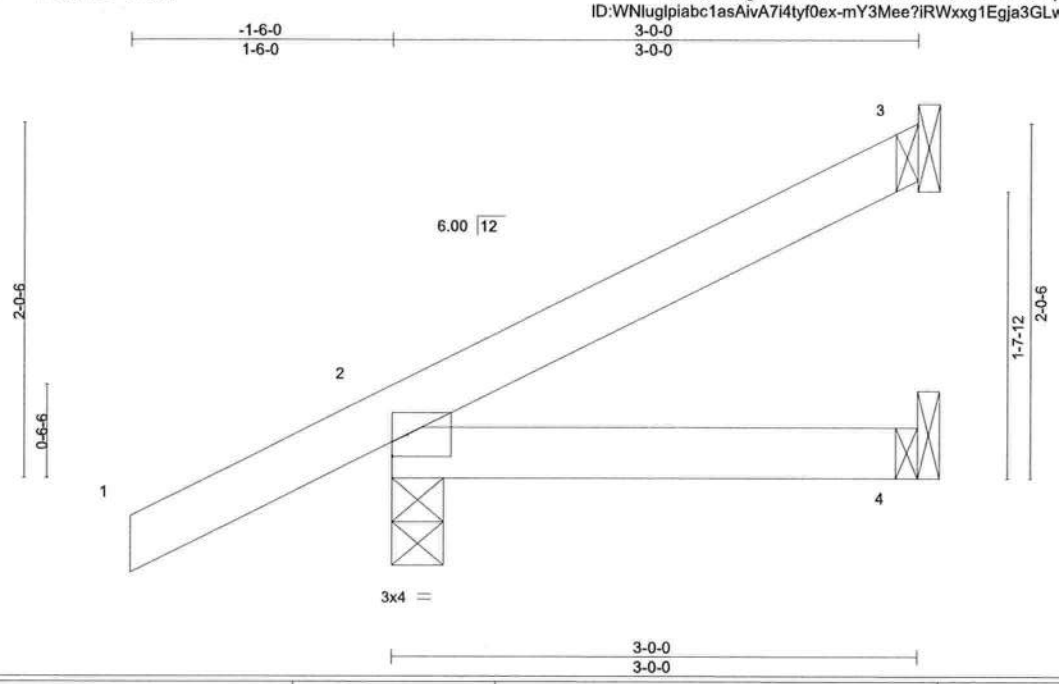

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 12 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=93(LC 12)
Max Uplift 3=-31(LC 12), 2=-81(LC 12)
Max Grav 3=71(LC 17), 2=230(LC 1), 4=51(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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	Hickory Cove 12
HICKORYCOVE12	J03	Jack-Open	2	1	T21297641
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:58 2020 Page 1
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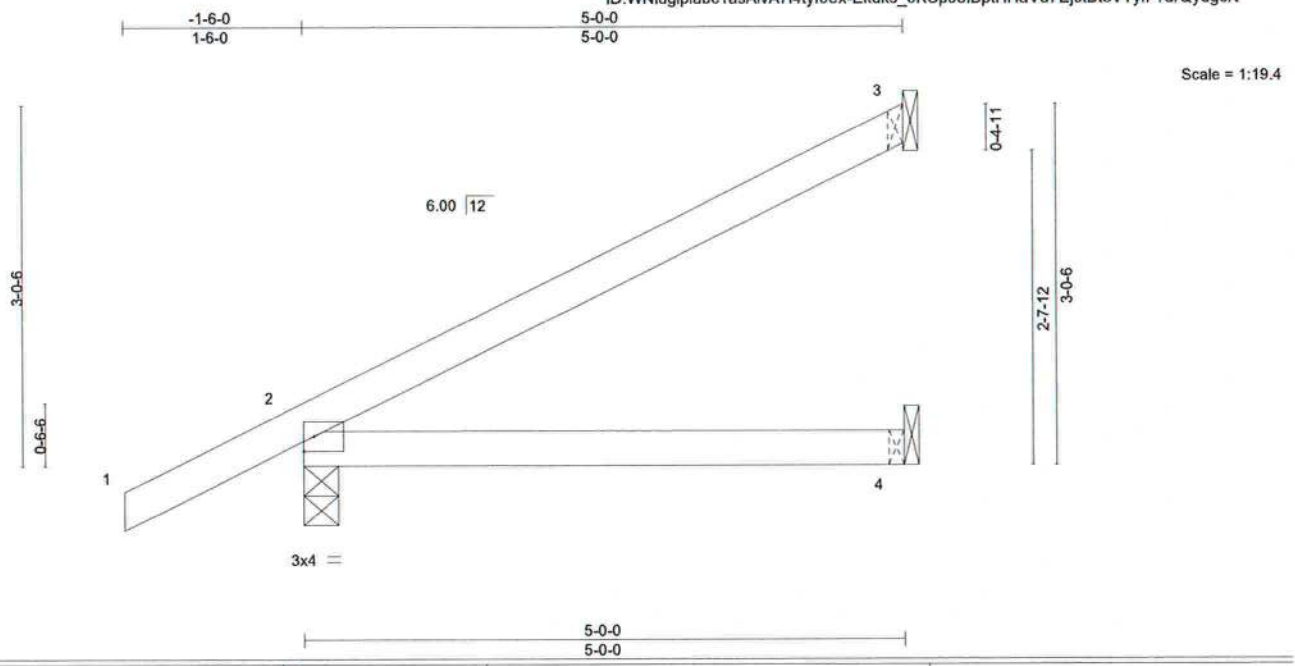

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 18 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 3=-62(LC 12), 2=-76(LC 12)
Max Grav 3=133(LC 17), 2=301(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J04	Jack-Open	10	1	T21297642
					Job Reference (optional)

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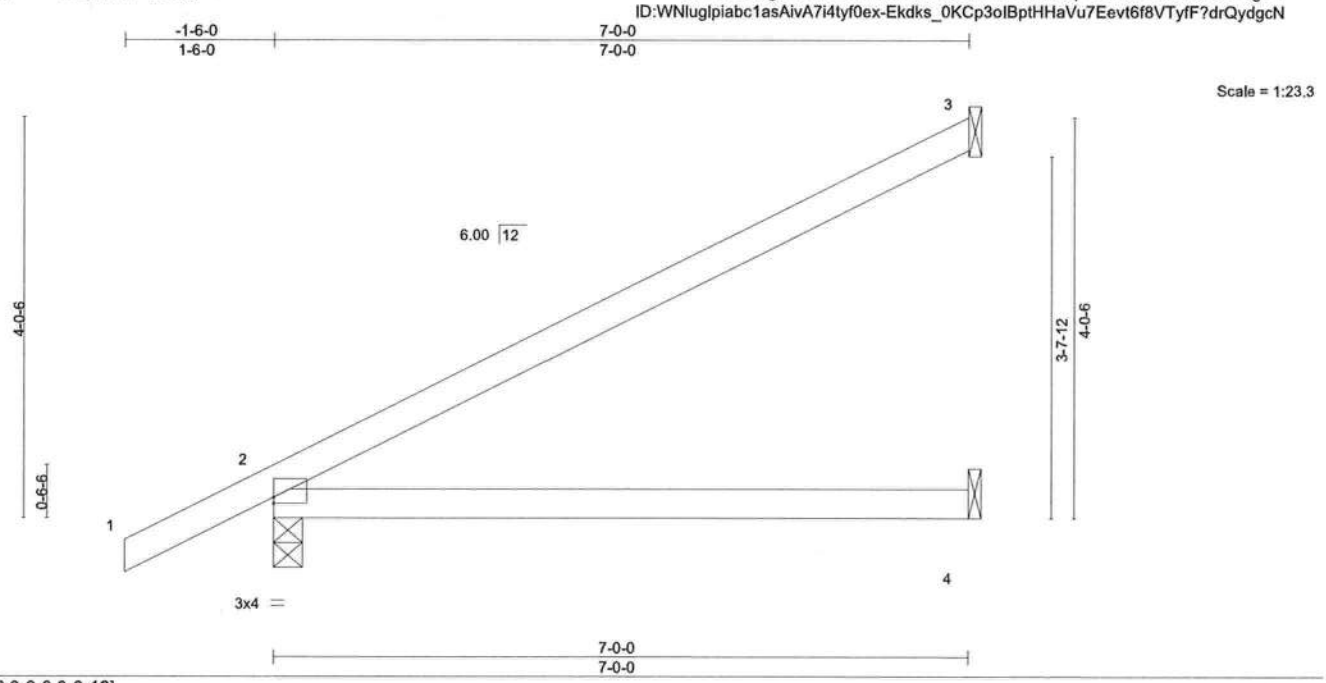

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12]

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	0.61	Vert(LL)	0.11	4-7	>735	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.22	4-7	>387	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=163(LC 12)
Max Uplift 3=-91(LC 12), 2=-76(LC 12)
Max Grav 3=193(LC 17), 2=377(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J05	Jack-Open Supported Gable	1	1	T21297643
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:59 2020 Page 1
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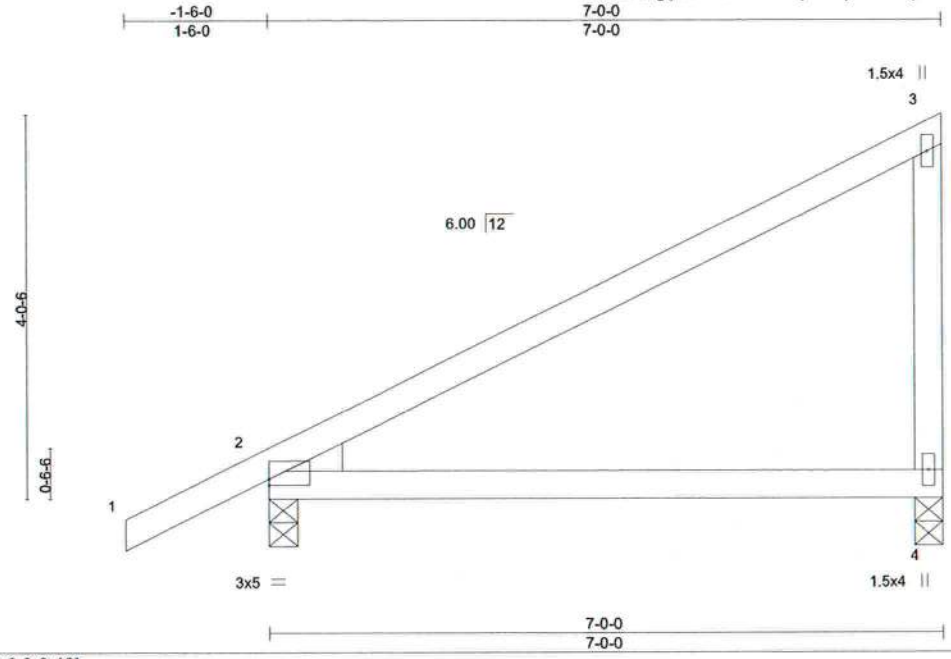

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12]

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	0.59	Vert(LL)	0.11	4-7	>743	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>401	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 31 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 4=0-3-8, 2=0-3-8
Max Horz 2=174(LC 11)
Max Uplift 4=-48(LC 9), 2=-104(LC 12)
Max Grav 4=277(LC 17), 2=374(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=104.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J06	Jack-Open	2	1	T21297644
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:21:59 2020 Page 1
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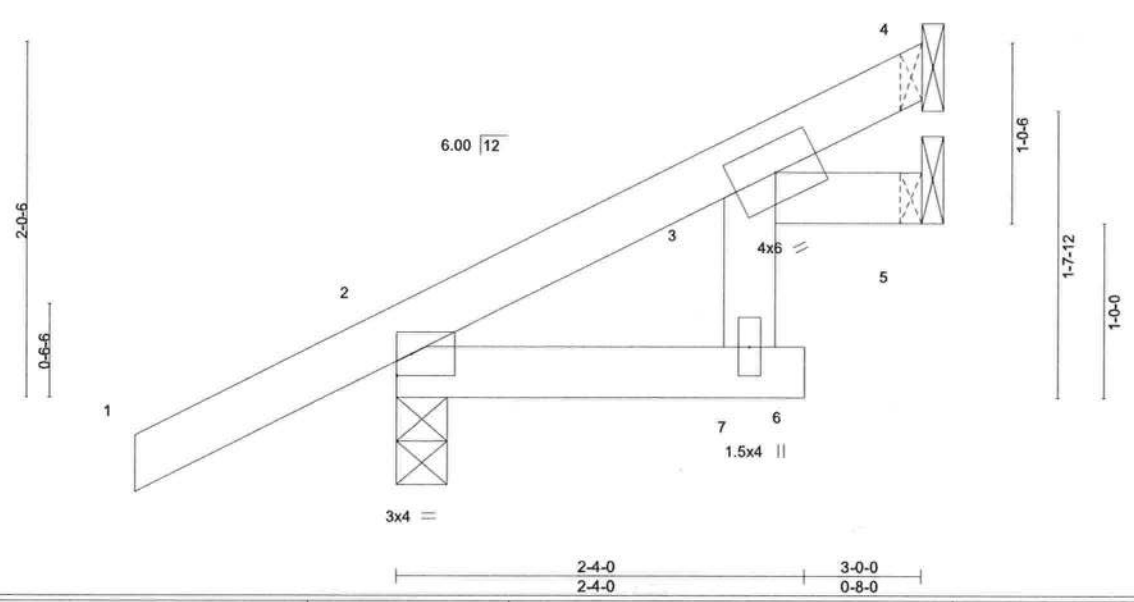

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.01	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 14 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 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=93(LC 12)
Max Uplift 4=-14(LC 12), 2=-80(LC 12)
Max Grav 4=59(LC 17), 2=233(LC 1), 5=52(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12	T21297645
HICKORYCOVE12	J07	Jack-Open	2	1	Job Reference (optional)	

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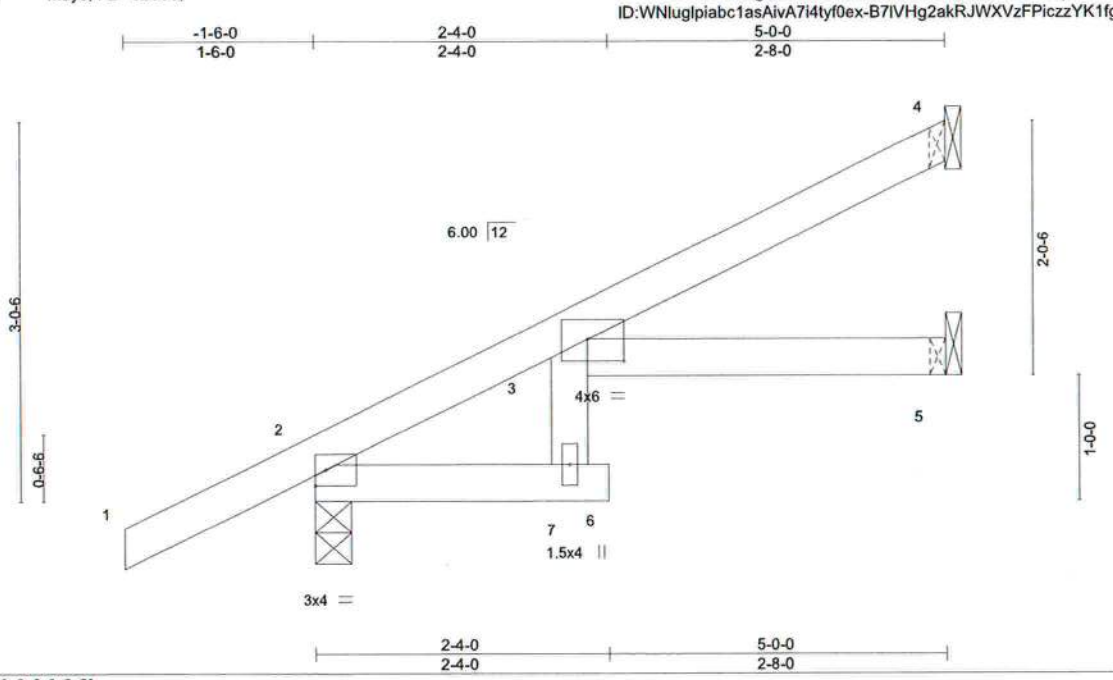

Plate Offsets (X,Y)-- [3:0-3-8,0-2-2]

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	0.40	Vert(LL)	0.07	6	>824	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.09	6	>673	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=128(LC 12)
Max Uplift 4=-45(LC 12), 2=-74(LC 12)
Max Grav 4=119(LC 17), 2=306(LC 1), 5=87(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
September 14,2020

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J08	Jack-Open	4	1	T21297646
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:22:01 2020 Page 1
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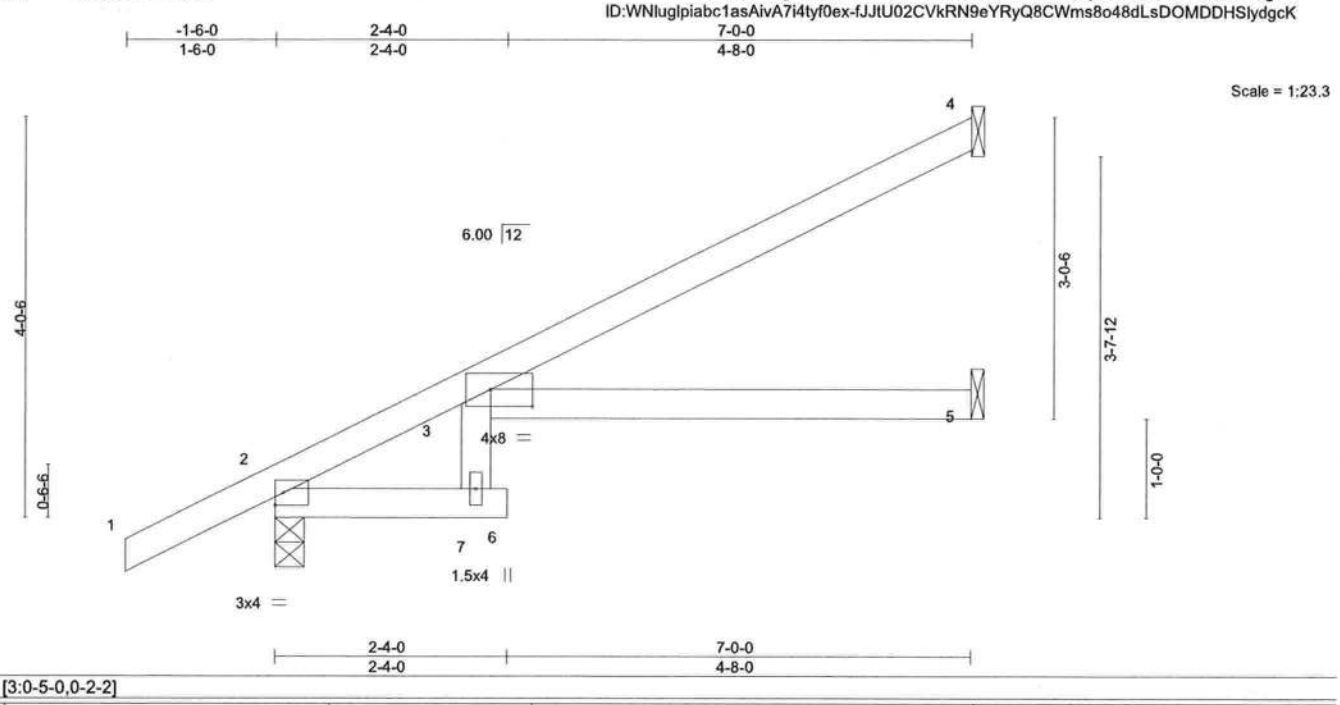

Plate Offsets (X,Y)-- [3:0-5-0,0-2-2]

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	0.69	Vert(LL)	0.20	6	>408	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.27	6	>312	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.15	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=163(LC 12)
Max Uplift 4=-75(LC 12), 2=-72(LC 12)
Max Grav 4=180(LC 17), 2=383(LC 1), 5=122(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J09	Jack-Open	1	1	T21297647
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.420 s Aug 25 2020 MiTek Industries, Inc. Mon Sep 14 15:22:01 2020 Page 1
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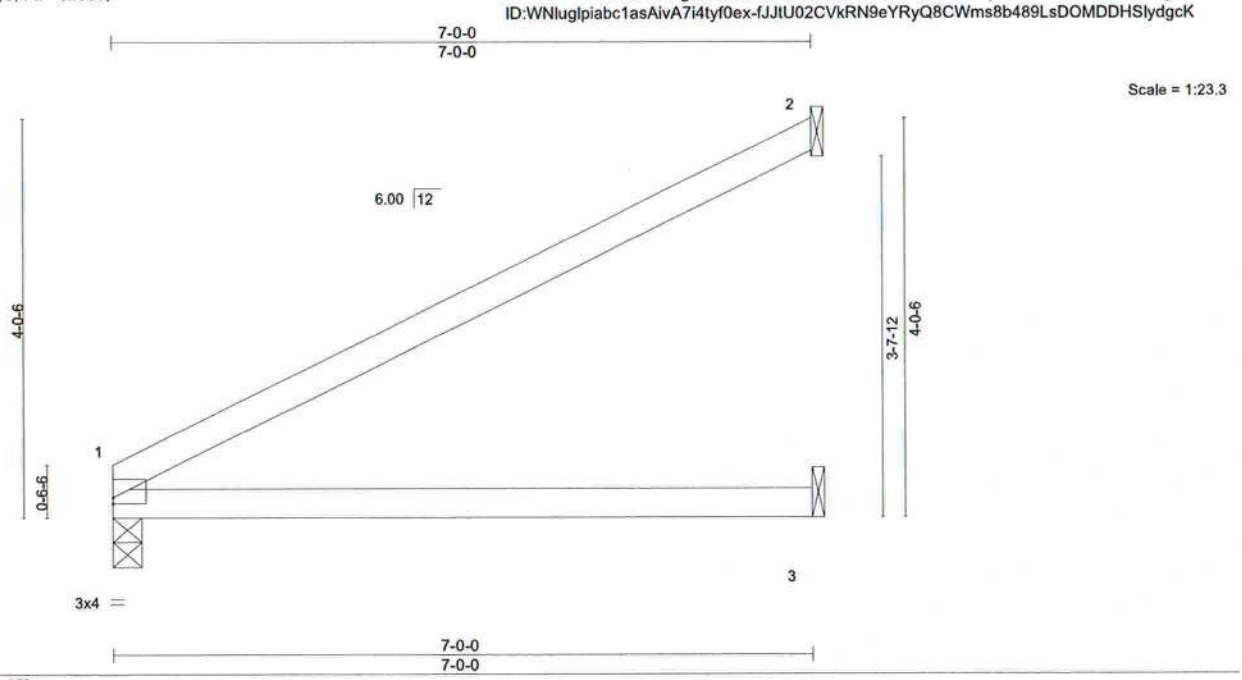

Plate Offsets (X,Y)-- [1:0-0-0,0-0-12]

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	0.64	Vert(LL)	0.13	3-6	>642	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.22	3-6	>374	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 22 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 1=123(LC 12)
Max Uplift 1=-5(LC 12), 2=-95(LC 12)
Max Grav 1=277(LC 1), 2=198(LC 17), 3=127(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J10GR	Jack-Open Girder	1	1	T21297648
					Job Reference (optional)

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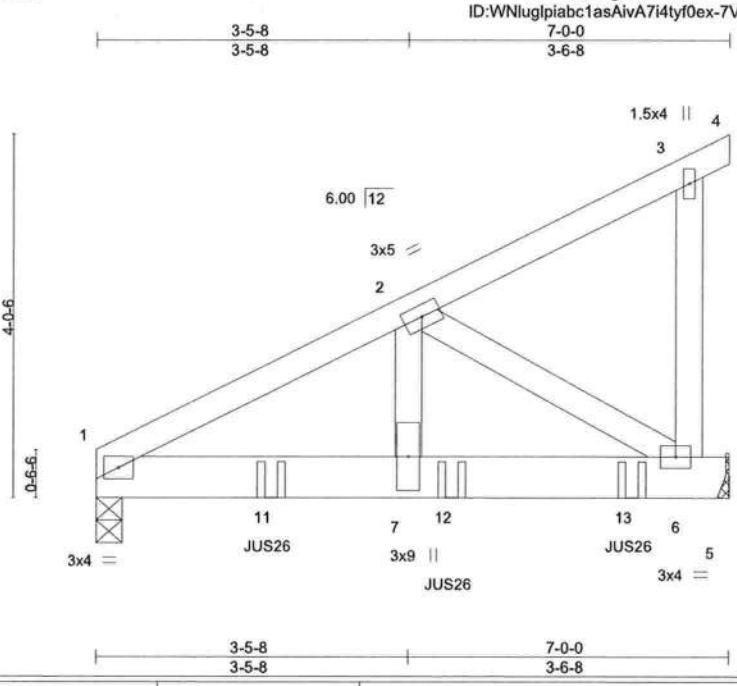

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 40 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=128(LC 8)
Max Uplift 1=-103(LC 8), 5=-237(LC 8)
Max Grav 1=803(LC 1), 5=964(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1219/163
BOT CHORD 1-7=-234/1060, 6-7=-234/1060
WEBS 2-7=-147/962, 2-6=-1237/274

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=103, 5=237.
6) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 5-11-4 to connect truss(es) to back face of bottom chord.
7) Fill all nail holes where hanger is in contact with lumber.
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=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=-407(B) 12=-407(B) 13=-395(B)

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Job	Truss	Truss Type	Qty	Ply	Hickory Cove 12
HICKORYCOVE12	J11	Jack-Open	4	1	T21297649 Job Reference (optional)

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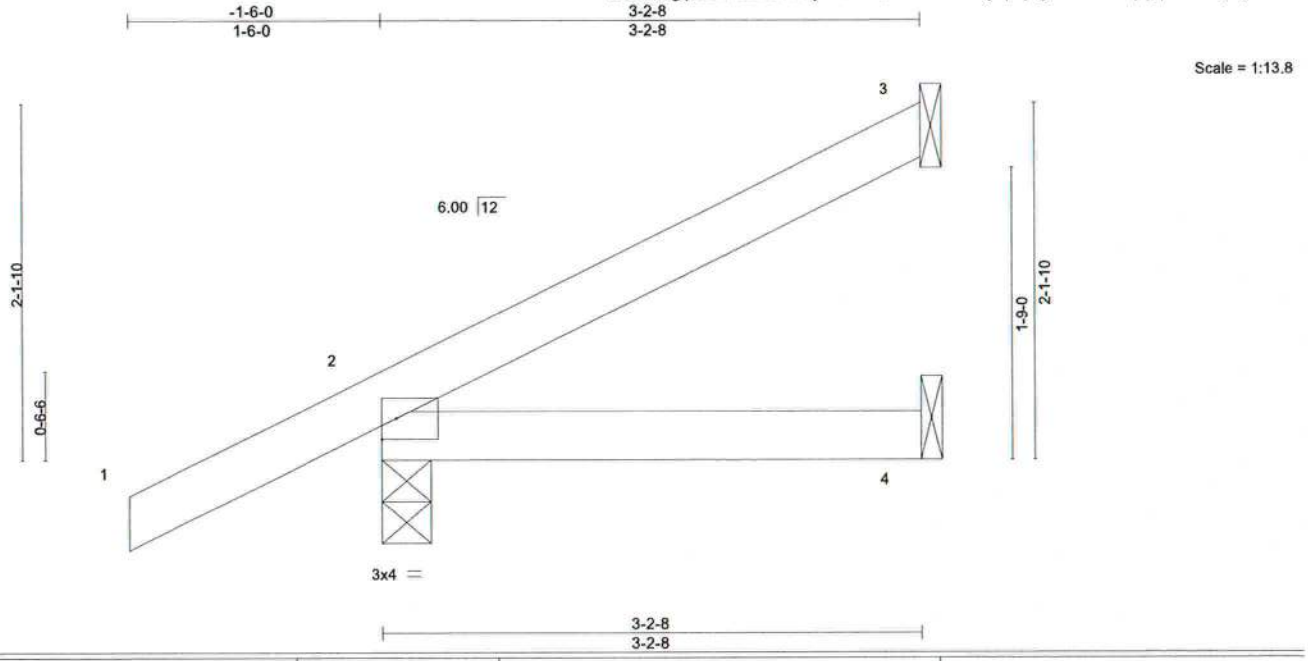

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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 3-2-8 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=96(LC 12)
Max Uplift 3=-35(LC 12), 2=-80(LC 12)
Max Grav 3=78(LC 17), 2=237(LC 1), 4=56(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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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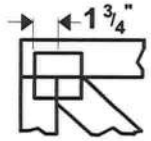
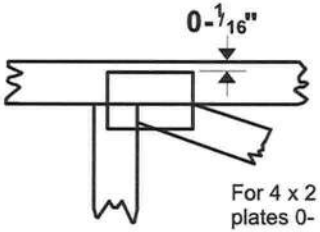
Symbols

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

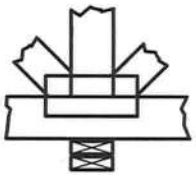
4 x 4

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

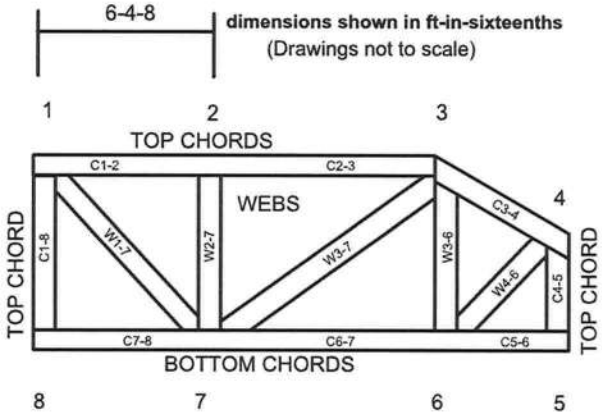


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

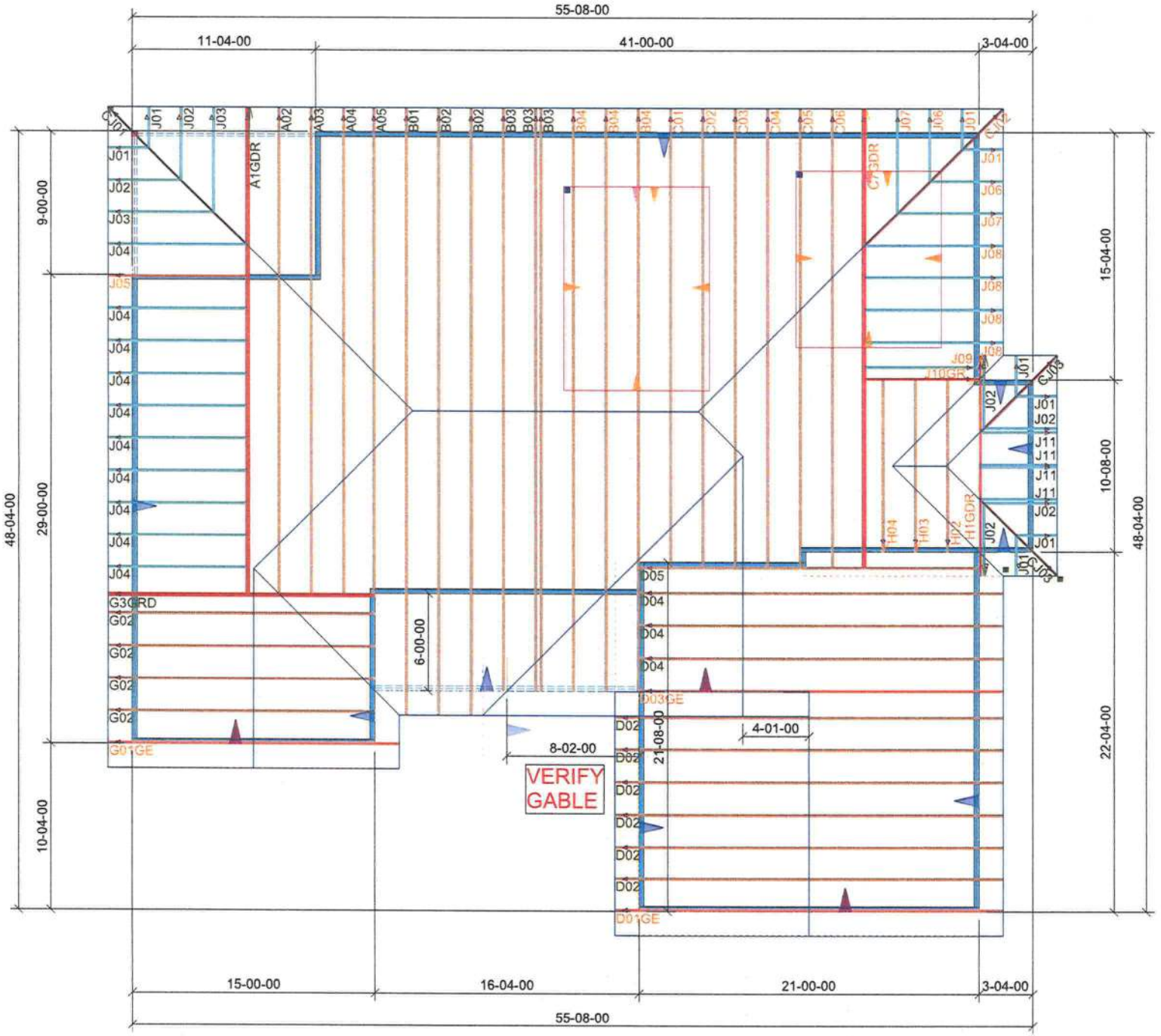
MiTek®

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.



ROOF PITCH: 6/12

CLG PITCH: 12" STEP TRAYS LR & MBR

O.H.: 18" PLUMB CUT

WIND: 130 MPH

EXP: "C"

LOADING: 40 PSF

WALLS 2 X 4 X 9'

DATE: 9/14/2020