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

RE: Bryant - Bryant

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

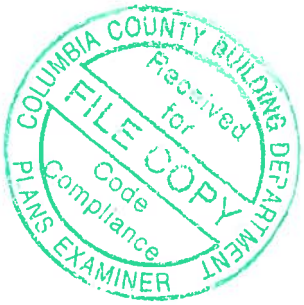
Site Information:
Customer Info: BB Homes Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

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 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

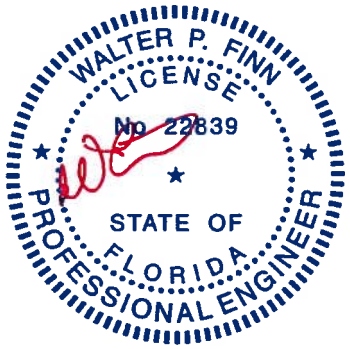
This package includes 47 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18540928	A1GIR	11/1/19	23	T18540950	C7	11/1/19
2	T18540929	A2	11/1/19	24	T18540951	C8	11/1/19
3	T18540930	A3	11/1/19	25	T18540952	CJ01	11/1/19
4	T18540931	A4	11/1/19	26	T18540953	D1GE	11/1/19
5	T18540932	A5	11/1/19	27	T18540954	D2	11/1/19
6	T18540933	A6GIR	11/1/19	28	T18540955	D3GIR	11/1/19
7	T18540934	A7GIR	11/1/19	29	T18540956	E1GE	11/1/19
8	T18540935	A8	11/1/19	30	T18540957	GIR1	11/1/19
9	T18540936	A9	11/1/19	31	T18540958	J1	11/1/19
10	T18540937	A10GIR	11/1/19	32	T18540959	J1A	11/1/19
11	T18540938	B1GIR	11/1/19	33	T18540960	J1B	11/1/19
12	T18540939	B2	11/1/19	34	T18540961	J1C	11/1/19
13	T18540940	B3GIR	11/1/19	35	T18540962	J2	11/1/19
14	T18540941	B4GIR	11/1/19	36	T18540963	J2L	11/1/19
15	T18540942	B5	11/1/19	37	T18540964	J3	11/1/19
16	T18540943	B6GE	11/1/19	38	T18540965	J3L	11/1/19
17	T18540944	C1GIR	11/1/19	39	T18540966	J4	11/1/19
18	T18540945	C2	11/1/19	40	T18540967	M1	11/1/19
19	T18540946	C3	11/1/19	41	T18540968	PB01	11/1/19
20	T18540947	C4	11/1/19	42	T18540969	PB02	11/1/19
21	T18540948	C5	11/1/19	43	T18540970	PB03	11/1/19
22	T18540949	C6	11/1/19	44	T18540971	PB04	11/1/19



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
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 1,2019

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.

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

RE: Bryant - Bryant

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

Site Information:
Customer Info: BB Homes Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County 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 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 47 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	T18540928	A1GIR	11/1/19	23	T18540950	C7	11/1/19
2	T18540929	A2	11/1/19	24	T18540951	C8	11/1/19
3	T18540930	A3	11/1/19	25	T18540952	CJ01	11/1/19
4	T18540931	A4	11/1/19	26	T18540953	D1GE	11/1/19
5	T18540932	A5	11/1/19	27	T18540954	D2	11/1/19
6	T18540933	A6GIR	11/1/19	28	T18540955	D3GIR	11/1/19
7	T18540934	A7GIR	11/1/19	29	T18540956	E1GE	11/1/19
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10	T18540937	A10GIR	11/1/19	32	T18540959	J1A	11/1/19
11	T18540938	B1GIR	11/1/19	33	T18540960	J1B	11/1/19
12	T18540939	B2	11/1/19	34	T18540961	J1C	11/1/19
13	T18540940	B3GIR	11/1/19	35	T18540962	J2	11/1/19
14	T18540941	B4GIR	11/1/19	36	T18540963	J2L	11/1/19
15	T18540942	B5	11/1/19	37	T18540964	J3	11/1/19
16	T18540943	B6GE	11/1/19	38	T18540965	J3L	11/1/19
17	T18540944	C1GIR	11/1/19	39	T18540966	J4	11/1/19
18	T18540945	C2	11/1/19	40	T18540967	M1	11/1/19
19	T18540946	C3	11/1/19	41	T18540968	PB01	11/1/19
20	T18540947	C4	11/1/19	42	T18540969	PB02	11/1/19
21	T18540948	C5	11/1/19	43	T18540970	PB03	11/1/19
22	T18540949	C6	11/1/19	44	T18540971	PB04	11/1/19

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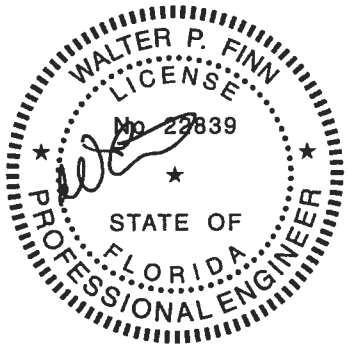
Truss Design Engineer's Name: Finn, Walter
My license renewal date for the state of Florida is February 28, 2021.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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MiTek

RE: Bryant - Bryant

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

Site Information:

Customer Info: BB Homes Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

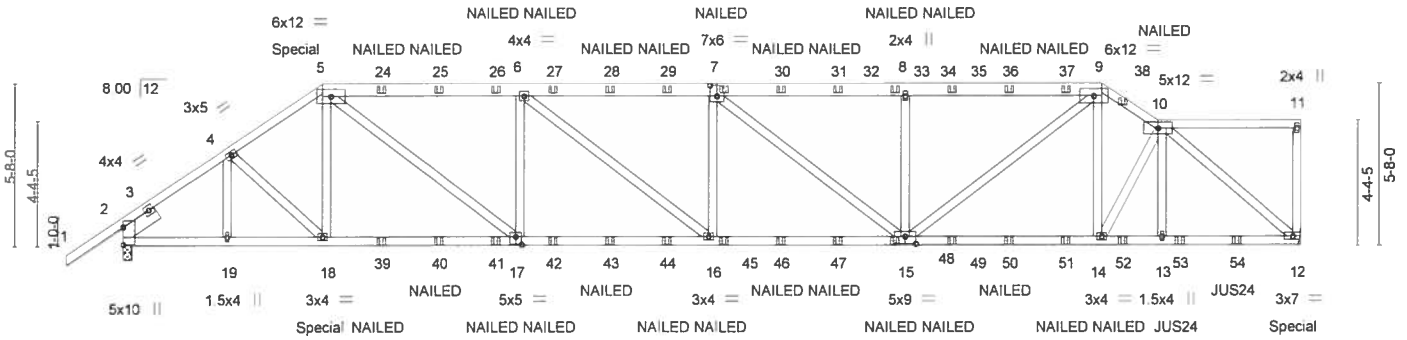
No.	Seal#	Truss Name	Date
45	T18540972	PB05	11/1/19
46	T18540973	PB06	11/1/19
47	T18540974	PB07	11/1/19

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540928
Bryant	A1GIR	Roof Special Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19 07 09 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-ICovtGvStglahnuS7BITozoVgliMFgfChJZdVoyNopG

-2-0-0	3-7-12	7-0-0	13-10-14	20-8-0	27-5-2	34-4-0	36-3-8	41-4-0
2-0-0	3-7-12	3-4-4	6-10-14	6-9-2	6-9-2	6-10-14	1-11-8	5-0-8

Scale = 1:76.2



3-7-12	7-0-0	13-10-14	20-8-0	27-5-2	34-4-0	36-3-8	41-4-0
3-7-12	3-4-4	6-10-14	6-9-2	6-9-2	6-10-14	1-11-8	5-0-8

Plate Offsets (X,Y)-- [7:0-3-0,0-4-8], [15:0-4-8,0-3-0], [17:0-2-8,0-3-4]

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	0.90	Vert(LL)	-0.21	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.45	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 556 lb	FT = 0%

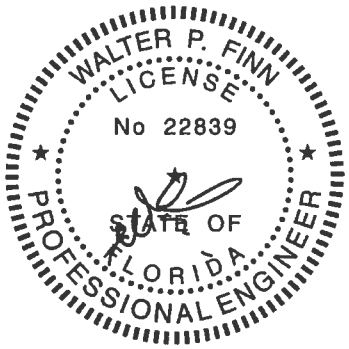
LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-5: 2x4 SP No.1, 9-10,10-11: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-17: 2x4 SP SS
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 12=3691/Mechanical, 2=3302/0-3-8
Max Horz 2=160(LC 24)
Max Uplift 12=-289(LC 8), 2=-317(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-4224/383, 4-5=-4600/454, 5-6=-6087/591, 6-7=-6794/634, 7-8=-6096/572, 8-9=-6099/573, 9-10=-4513/401
BOT CHORD 2-19=-313/3279, 18-19=-313/3279, 17-18=-340/3859, 16-17=-489/6124, 15-16=-530/6800, 14-15=-274/3768, 13-14=-274/3745, 12-13=-275/3761
WEBS 4-19=-490/67, 4-18=-115/845, 5-18=0/344, 5-17=-241/2864, 6-17=-1472/330, 6-16=-45/872, 7-15=-930/86, 8-15=-918/293, 9-15=-278/2971, 9-14=0/320, 10-13=-25/431, 10-12=-4830/390

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: 2x4 - 1 row 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=41ft; eave=5ft; Cat. II; Exp B; 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 100 lb uplift at joint(s) except (jt=lb) 12=289, 2=317.
10) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 37-0-12 from the left end to 39-0-12 to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 1,2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 228 lb down and 179 lb up at 7-0-0 on top chord, and 298 lb down and 33 lb up at 7-0-0, and 246 lb down and 26 lb up at 41-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-60, 5-9=-60, 9-10=-60, 10-11=-60, 12-20=-20

Concentrated Loads (lb)

Vert: 5=-181(B) 7=-119(B) 12=-246(B) 18=-279(B) 24=-119(B) 25=-119(B) 26=-119(B) 27=-119(B) 28=-119(B) 29=-119(B) 30=-119(B) 31=-119(B) 33=-119(B) 35=-119(B) 36=-119(B) 37=-119(B) 38=-119(B) 39=-52(B) 40=-52(B) 41=-52(B) 42=-52(B) 43=-52(B) 44=-52(B) 45=-52(B) 46=-52(B) 47=-52(B) 48=-52(B) 49=-52(B) 50=-52(B) 51=-52(B) 52=-53(B) 53=-237(B) 54=-237(B)

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

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MiTek

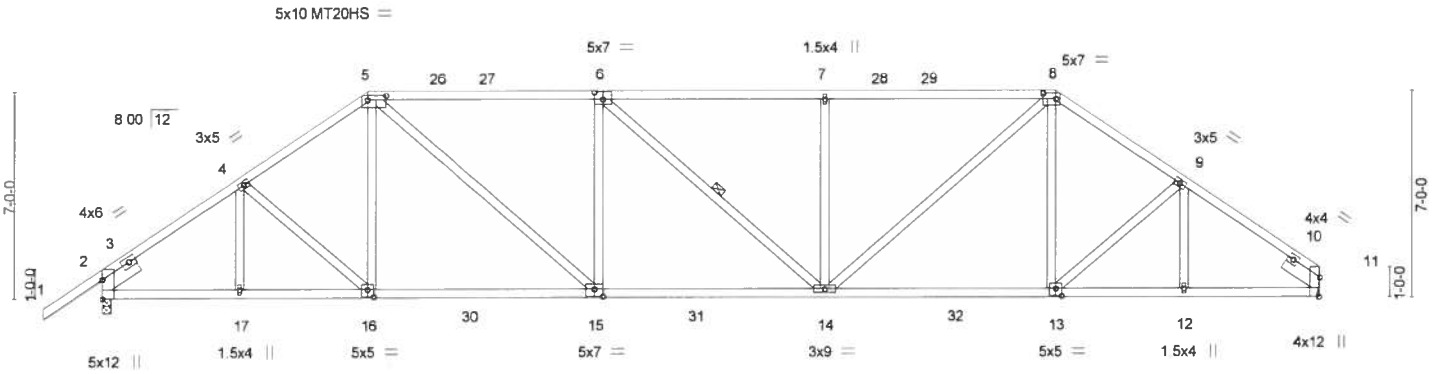
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540929
Bryant	A2	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19 07 11 2019 Page 1
ID qTMyZKIBZcMwnTH7fCnZf_zMtoX-EawflywiPHYIx52rFcLxtOtrgZQMjfoV8d2kahyNopE

-2-0-0	4-7-12	9-0-0	16-9-15	24-6-1	32-4-0	36-8-4	41-4-0
2-0-0	4-7-12	4-4-4	7-9-15	7-8-3	7-9-15	4-4-4	4-7-12

Scale = 1 73 7



4-7-12	9-0-0	16-9-15	24-6-1	32-4-0	36-8-4	41-4-0
4-7-12	4-4-4	7-9-15	7-8-3	7-9-15	4-4-4	4-7-12

Plate Offsets (X,Y)-- [5:0-7-8,0-1-12], [6:0-3-8,0-3-0], [8:0-5-4,0-2-4], [11:0-7-13,Edge], [13:0-2-8,0-3-0], [15:0-3-8,0-3-0], [16:0-2-8,0-3-0]

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	0.86	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.45	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.15	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 248 lb	FT = 0%

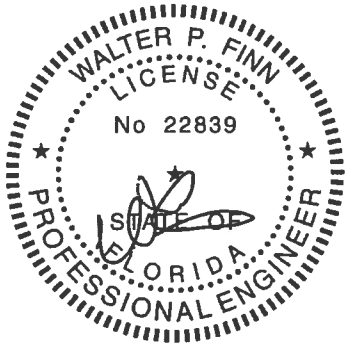
LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
5-6,6-8: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-16,11-13: 2x4 SP SS
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-14

REACTIONS. (lb/size) 11=1650/Mechanical, 2=1776/0-3-8
Max Horz 2=138(LC 11)
Max Uplift 2=-50(LC 12)
Max Grav 11=1655(LC 18), 2=1782(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2220/426, 4-5=-2201/476, 5-6=-2533/584, 6-7=-2521/590, 7-8=-2521/590, 8-9=-2199/480, 9-11=-2232/435
BOT CHORD 2-17=-269/1806, 16-17=-269/1806, 15-16=-222/1866, 14-15=-374/2586, 13-14=-225/1780, 12-13=-280/1736, 11-12=-280/1736
WEBS 5-16=0/260, 5-15=-189/1026, 6-15=-522/221, 7-14=-478/218, 8-14=-191/1034, 8-13=0/270

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=41ft; eave=5ft; Cat. II; Exp B; 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) 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:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

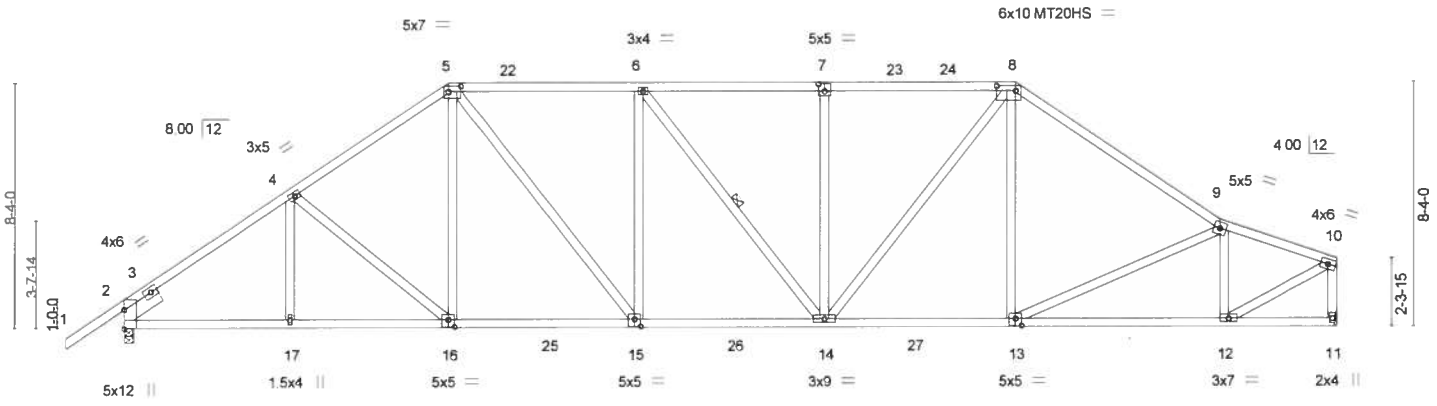
Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	A3	Hip	1	1	T18540930
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:12 2019 Page 1

ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-jnU1WlxKAbg9YFc1pJsAQcQ3zzoMS4NeNHnl67yNopD

-2-0-0	5-7-12	11-0-0	17-5-15	23-10-1	30-4-0	37-4-3	41-4-0
2-0-0	5-7-12	5-4-4	6-5-15	6-4-3	6-5-15	7-0-3	3-11-13

Scale = 1:74.0



5-7-12	11-0-0	17-5-15	23-10-1	30-4-0	37-4-3	41-4-0
5-7-12	5-4-4	6-5-15	6-4-3	6-5-15	7-0-3	3-11-13

Plate Offsets (X,Y)-- [5:0-5-4,0-2-4], [7:0-2-8,0-3-0], [8:0-7-12,0-2-0], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0], [16:0-2-8,0-3-0]

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	0.70	Vert(LL)	-0.16	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.32	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 267 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-5: 2x4 SP SS
BOT CHORD	2x4 SP SS *Except* 13-15,15-16: 2x4 SP No.2
WEBS	2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-14

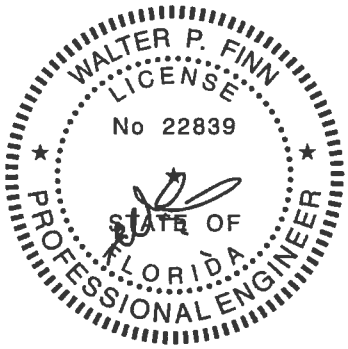
REACTIONS. (lb/size) 2=1770/0-3-8, 11=1645/Mechanical
Max Horz 2=186(LC 11)
Max Uplift 2=-50(LC 12)
Max Grav 2=1780(LC 17), 11=1645(LC 1)

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

TOP CHORD	2-4=-2274/427, 4-5=-2127/475, 5-6=-2144/525, 6-7=-2127/528, 7-8=-2127/528, 8-9=-2150/464, 9-10=-1853/375, 10-11=-1611/318
BOT CHORD	2-17=-337/1873, 16-17=-337/1873, 15-16=-253/1794, 14-15=-335/2196, 13-14=-253/1694, 12-13=-346/1757
WEBS	5-16=-5/315, 5-15=-132/742, 6-15=-455/183, 7-14=-404/170, 8-14=-125/755, 8-13=0/316, 9-12=-856/255, 10-12=-357/1938

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=41ft; eave=5ft; Cat. II; Exp B; 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) 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:

November 1,2019

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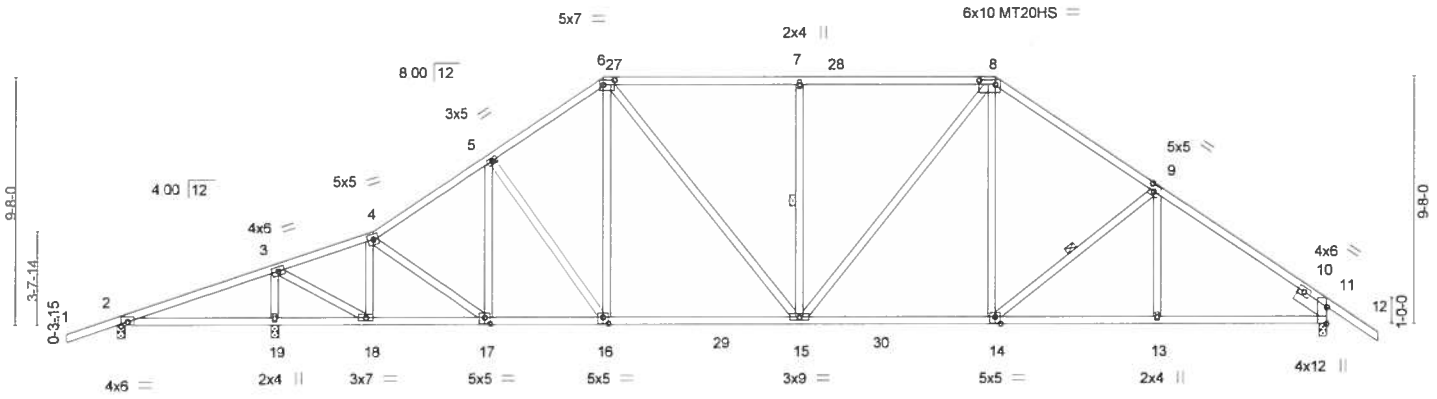
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540931
Bryant	A4	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc Thu Oct 31 19 07 14 2019 Page 1
ID qTMyZKIBZcMwnTH7fCnZf_zMtoX-f9cow_zaiCxtoYmQwkueV1VP3mU2w_wxrbGOA0yNopB

-2-0-0	6-1-12	9-11-13	14-5-15	19-0-0	26-8-0	34-4-0	40-8-4	47-4-0	49-4-0
2-0-0	6-1-12	3-10-1	4-6-1	4-6-1	7-8-0	7-8-0	6-4-4	6-7-12	2-0-0

Scale = 1:85.0



6-1-12	9-11-13	14-5-15	19-0-0	26-8-0	34-4-0	40-8-4	47-4-0
6-1-12	3-10-1	4-6-1	4-6-1	7-8-0	7-8-0	6-4-4	6-7-12

Plate Offsets (X,Y)-- [6:0-5-4,0-2-4], [8:0-7-12,0-2-0], [9:0-2-8,0-3-0], [11:0-7-13,Edge], [14:0-2-8,0-3-4], [16:0-2-8,0-3-0], [17:0-2-8,0-3-0]

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	0.66	Vert(LL)	-0.18	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.35	15-16	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.13	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 294 lb	FT = 0%

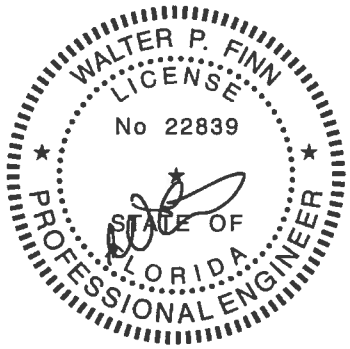
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 9-12: 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except* 11-14: 2x4 SP SS
WEBS 2x4 SP No.2
SLIDER Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-15, 9-14

REACTIONS. (lb/size) 2=15/0-3-8, 19=2296/0-3-8, 11=1715/0-3-8
Max Horz 2=199(LC 11)
Max Uplift 2=-139(LC 24), 11=-52(LC 12)
Max Grav 2=47(LC 21), 19=2309(LC 17), 11=1717(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-162/1149, 3-4=-1158/271, 4-5=-1810/411, 5-6=-1794/463, 6-7=-1768/487, 7-8=-1768/487, 8-9=-1961/461, 9-11=-2197/417
BOT CHORD 2-19=-979/204, 18-19=-979/204, 17-18=-142/1178, 16-17=-140/1562, 15-16=-68/1518, 14-15=-81/1555, 13-14=-201/1699, 11-13=-200/1699
WEBS 3-19=-2151/458, 3-18=-371/2339, 4-18=-1099/234, 4-17=0/478, 6-16=-28/303, 6-15=-97/604, 7-15=-517/230, 8-15=-77/465, 8-14=-16/439, 9-14=-365/154

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=47ft; eave=6ft; Cat. II; Exp B; 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=139.
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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November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540932
Bryant	A5	ATTIC	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:16 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-bYjYLf_rEpBb1swo29w6aSaiha5vOnKEIvIVFuyNop9

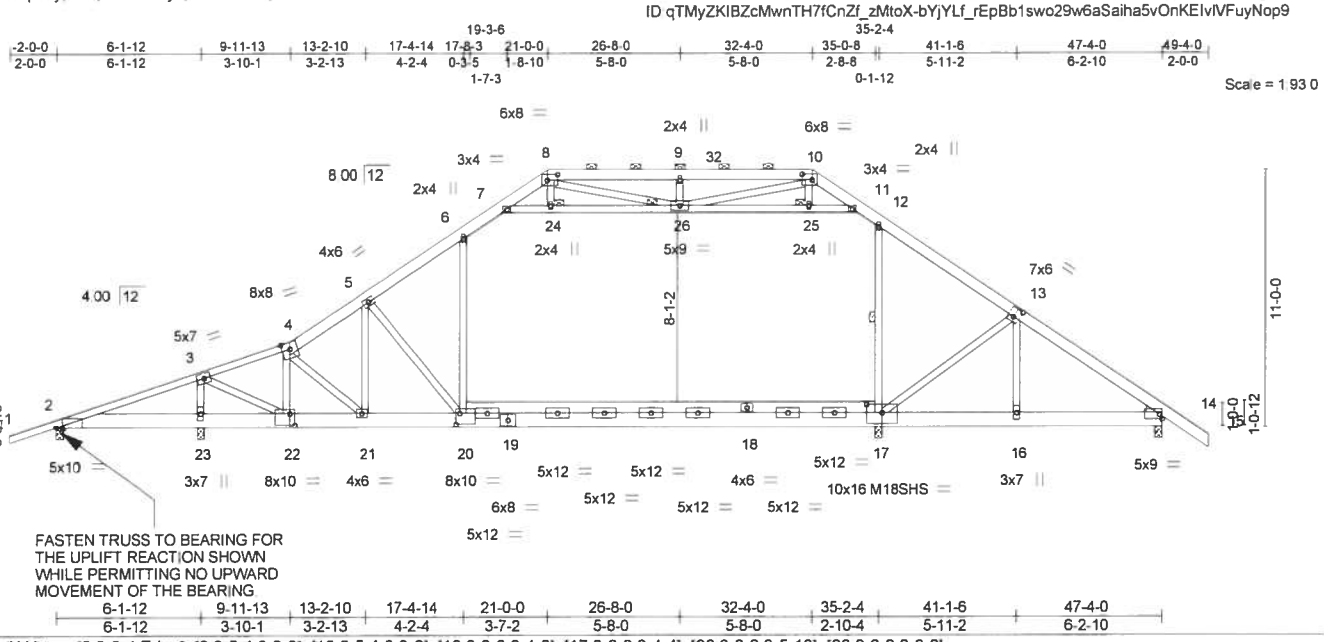


Plate Offsets (X,Y)-- [2:0-3-4,Edge], [8:0-5-4,0-3-0], [10:0-5-4,0-3-0], [13:0-3-0,0-4-8], [17:0-8-0,0-4-4], [20:0-2-0,0-5-12], [22:0-2-8,0-6-0]

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	0.84	Vert(LL)	-0.44	17-20	>789	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.67	17-20	>523	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.35	17-20	603	360	Weight: 430 lb	FT = 0%

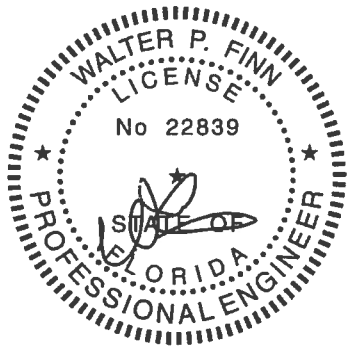
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 17-18,18-20: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 12-17
JOINTS 1 Brace at Jt(s): 24, 25, 26
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (lb/size) 2=-205/0-3-8, 23=2625/0-3-8, 17=628/0-3-8, 14=1495/0-3-8
Max Horz 2=227(LC 11)
Max Uplift 2=-614(LC 16)
Max Grav 23=3306(LC 18), 17=998(LC 19), 14=1629(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-473/2563, 3-4=-892/128, 4-5=-1912/366, 5-6=-2445/512, 6-7=-1902/490, 7-8=-855/235, 8-9=-1343/406, 9-10=-1343/406, 10-11=-838/218, 11-12=-1888/493, 12-13=-2437/502, 13-14=-2129/374
BOT CHORD 2-23=-2242/518, 22-23=-2242/518, 21-22=-3/875, 20-21=-139/1757, 17-20=-136/1996, 16-17=-183/1748, 14-16=-177/1723
WEBS 3-23=-2883/576, 3-22=-549/3485, 4-22=-1735/360, 6-20=-153/857, 7-24=-1490/333, 24-26=-1479/334, 25-26=-1549/357, 11-25=-1561/356, 12-17=-113/677, 13-17=-207/424, 13-16=-645/204, 9-26=-327/156, 8-26=-211/720, 10-26=-236/767, 5-20=-72/598, 5-21=-1121/224, 4-21=-197/1242

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=47ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 6-7, 11-12, 7-24, 24-26, 25-26, 11-25; Wall dead load (5.0psf) on member(s).6-20, 12-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-20
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=614.
10) 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: November 1,2019

Continued on page 2

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	A5	ATTIC	1	1	T18540932
					Job Reference (optional)

NOTES-

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

12) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	A6GIR	ATTIC GIRDER	1	3	T18540933

Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:18 2019 Page 1
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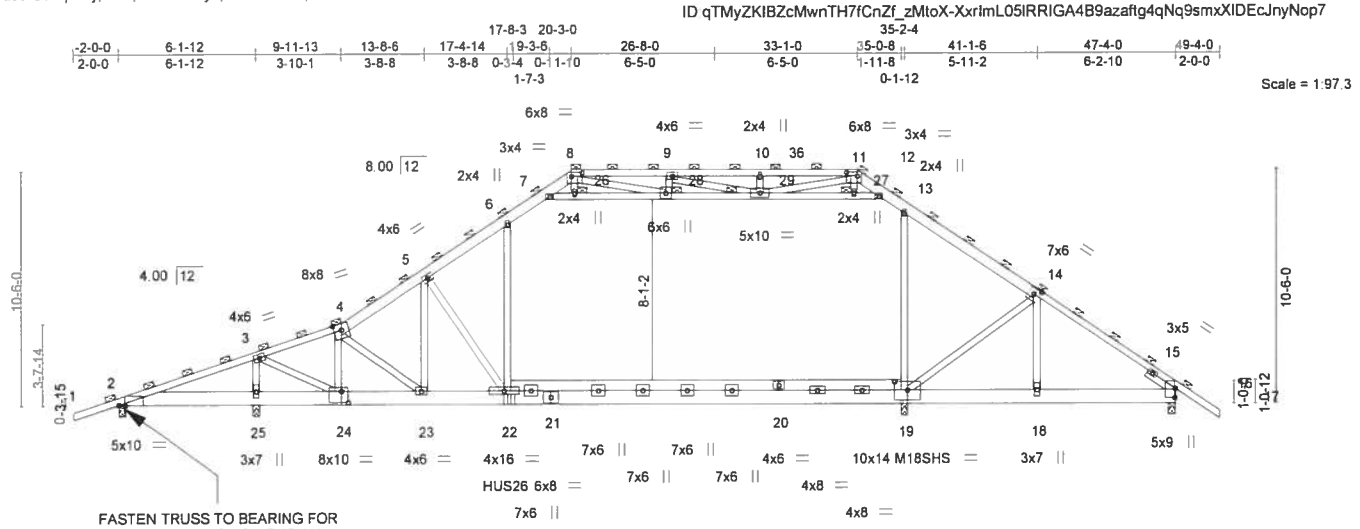


6-1-12	9-11-13	13-8-6	17-4-14	20-3-0	26-8-0	33-1-0	35-2-4	41-1-6	47-4-0
6-1-12	3-10-1	3-8-8	3-8-8	2-10-2	6-5-0	6-5-0	2-1-4	5-11-2	6-2-10

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [8:0-5-12,0-2-0], [11:0-5-12,0-2-0], [14:0-3-0,0-3-4], [16:0-5-1,0-0-4], [19:0-7-0,0-4-8], [24:0-3-8,0-6-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.29	19-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.46	19-22	>757	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.23	19-22	912	360	Weight: 1241 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-8,11-14: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except* 19-20,20-22: 2x6 SP No.2
WEBS	2x4 SP No.2
SLIDER	Right 2x4 SP No.2 1-6-0

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-25,24-25.
JOINTS	1 Brace at Jt(s): 4, 8, 11, 26, 27, 28, 29 This truss requires both edges of the bottom chord be sheathed in the room area.

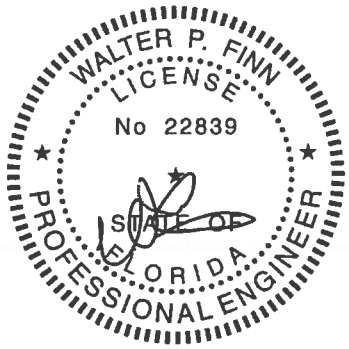
REACTIONS. (lb/size) 2=-695/0-3-8, 25=6127/0-3-8, 19=978/0-3-8, 16=3321/0-3-8
Max Horz 2=435(LC 25)
Max Uplift 2=-1536(LC 30), 25=-36(LC 8), 19=-108(LC 22), 16=-92(LC 8)
Max Grav 25=7623(LC 30), 19=2083(LC 15), 16=3604(LC 30)

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

TOP CHORD	2-3=0/6119, 3-4=-1966/39, 4-5=-4640/112, 5-6=-5660/49, 6-7=-4278/154, 7-8=-1412/318, 8-9=-3171/570, 9-10=-3059/570, 10-11=-3059/570, 11-12=-1357/284, 12-13=-4251/159, 13-14=-5492/58, 14-16=-4588/73
BOT CHORD	2-25=-5439/42, 24-25=-5439/42, 23-24=0/1857, 22-23=0/4164, 19-22=0/4561, 18-19=0/3815, 16-18=0/3743
WEBS	3-25=-6656/21, 3-24=0/8159, 4-24=-4153/92, 4-23=0/3046, 5-23=-2264/0, 5-22=0/1159, 6-22=-21/1965, 7-26=-4093/47, 26-28=-4043/52, 28-29=-2568/330, 27-29=-4265/92, 12-27=-4321/88, 13-19=-168/1495, 14-19=-161/1108, 14-18=-1544/0, 8-26=0/322, 11-27=0/368, 9-28=-486/100, 10-29=-490/106, 8-28=-198/2317, 11-29=-250/2345

NOTES-

1) 3-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: 2x8 - 2 rows staggered 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) 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=47ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 6-7, 12-13, 7-26, 26-28, 28-29, 27-29, 12-27; Wall dead load (5.0psf) on member(s).6-22, 13-19



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
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Date: November 1,2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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NOTES-

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-22
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 16 except (jt=lb) 2=1536, 19=108.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) 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.
14) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 17-5-14 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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-6=-120, 6-7=-140, 7-8=-120, 8-11=-120, 11-12=-120, 12-13=-140, 13-17=-120, 2-22=-40, 19-22=-60, 19-32=-40, 7-12=-20
   Drag: 6-22=-20, 13-19=-20
   Concentrated Loads (lb)
   Vert: 22=-646(B)

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540934
Bryant	A7GIR	ATTIC GIRDER	1	3	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc Thu Oct 31 19:07:21 2019 Page 1
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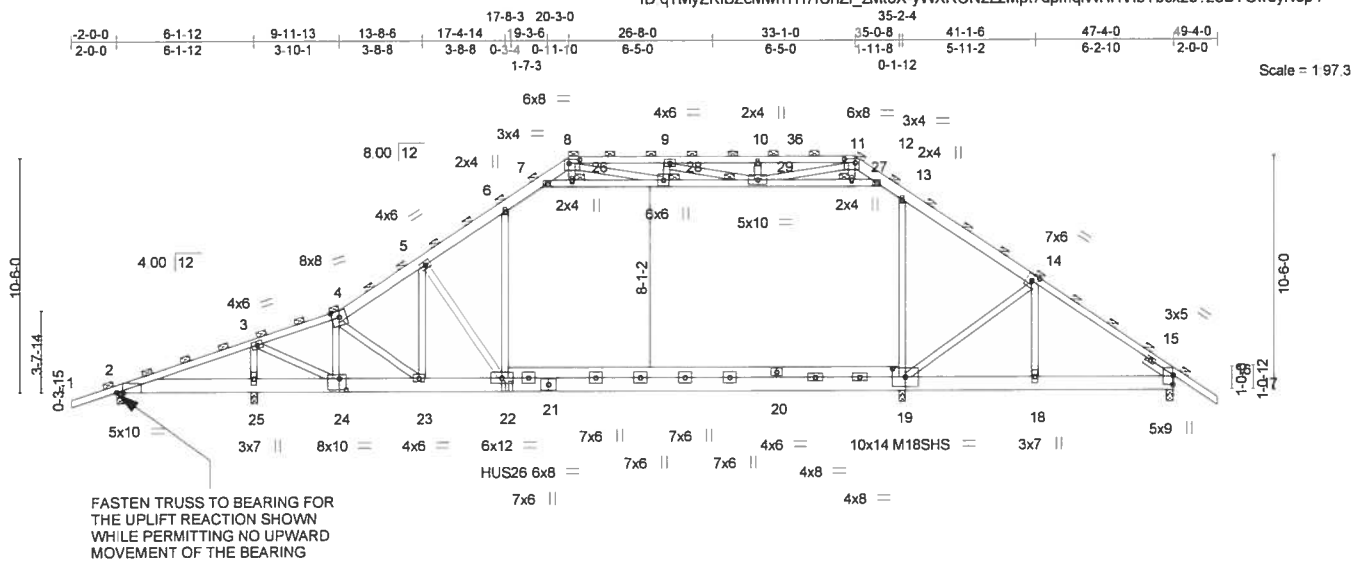


	6-1-12	9-11-13	13-8-6	17-4-14	20-3-0	26-8-0	33-1-0	35-2-4	41-1-6	47-4-0
	6-1-12	3-10-1	3-8-8	3-8-8	2-10-2	6-5-0	6-5-0	2-1-4	5-11-2	6-2-10

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [8:0-5-12,0-2-0], [11:0-5-12,0-2-0], [14:0-3-0,0-3-4], [16:0-5-1,0-0-4], [19:0-7-0,0-4-12], [24:0-3-12,0-6-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.29	19-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.45	19-22	>768	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.23	19-22	912	360	Weight: 1241 lb	FT = 0%

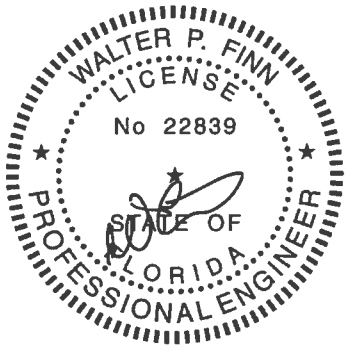
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-8,11-14: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 19-20,20-22: 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Right 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-25,24-25.
JOINTS 1 Brace at Jt(s): 4, 8, 11, 26, 27, 28, 29
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (lb/size) 2=-570/0-3-8, 25=5767/0-3-8, 19=1092/0-3-8, 16=3190/0-3-8
Max Horz 2=427(LC 25)
Max Uplift 2=-1427(LC 30), 19=-258(LC 22), 16=-275(LC 8)
Max Grav 25=7316(LC 30), 19=1912(LC 15), 16=3352(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/5801, 3-4=-1928/24, 4-5=-4455/81, 5-6=-5444/10, 6-7=-4142/129, 7-8=-1455/291, 8-9=-3233/530, 9-10=-3125/526, 10-11=-3125/526, 11-12=-1399/255, 12-13=-4114/135, 13-14=-5295/21, 14-16=-4296/222
BOT CHORD 2-25=-5132/26, 24-25=-5132/26, 23-24=0/1841, 22-23=0/4010, 19-22=0/4403, 18-19=0/3576, 16-18=0/3501
WEBS 3-25=-6384/0, 3-24=0/7798, 4-24=-3949/70, 4-23=0/2864, 5-23=-2229/0, 5-22=-8/1152, 6-22=0/1879, 7-26=-3878/6, 26-28=-3830/11, 28-29=-2438/593, 27-29=-4050/57, 12-27=-4105/53, 13-19=-146/1377, 14-19=0/1097, 14-18=-1657/0, 8-26=0/312, 11-27=0/357, 9-28=-486/99, 10-29=-491/105, 8-28=-196/2317, 11-29=-247/2352

NOTES-
1) 3-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: 2x8 - 2 rows staggered 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) 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=47ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 6-7, 12-13, 7-26, 26-28, 28-29, 27-29, 12-27; Wall dead load (5.0psf) on member(s).6-22, 13-19



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Date: November 1,2019

Continued on page 2

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Tampa, FL 36610

NOTES-

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-22
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1427, 19=258, 16=275.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) 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.
14) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 17-5-14 from the left end to connect truss(es) to front face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-6=-120, 6-7=-140, 7-8=-120, 8-11=-120, 11-12=-120, 12-13=-140, 13-17=-120, 2-22=-40, 19-22=-60, 19-32=-40, 7-12=-20
   Drag: 6-22=-20, 13-19=-20
   Concentrated Loads (lb)
   Vert: 22=-394(F)

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540935
Bryant	A8	ATTIC	5	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:23 2019 Page 1
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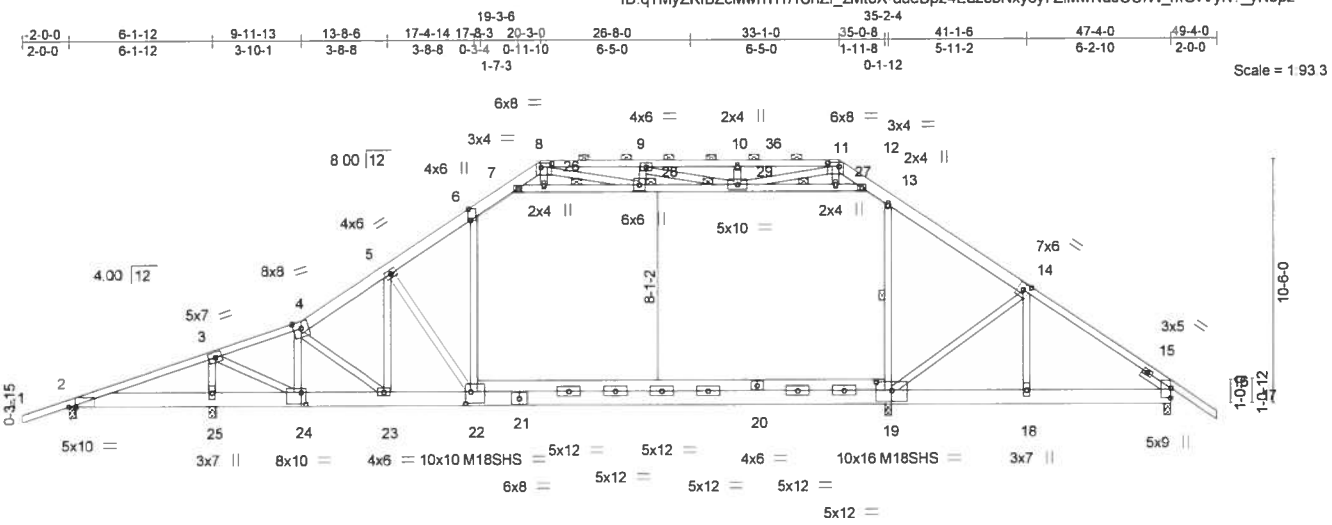


6-1-12	9-11-13	13-8-6	17-4-14	20-3-0	26-8-0	33-1-0	35-2-4	41-1-6	47-4-0
6-1-12	3-10-1	3-8-8	3-8-8	2-10-2	6-5-0	6-5-0	2-1-4	5-11-2	6-2-10

Plate Offsets (X,Y)-- [2:0-3-4,Edge], [6:0-5-12,Edge], [8:0-5-12,0-2-0], [11:0-5-12,0-2-0], [14:0-3-0,0-3-4], [16:0-5-1,0-0-4], [19:0-8-0,0-4-4], [22:0-2-12,0-6-0], [24:0-2-8,0-6-0]

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	0.85	Vert(LL)	-0.44	19-22	>793	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.66	19-22	>528	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.35	19-22	609	360	Weight: 414 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-8,11-14: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except* 19-20,20-22: 2x6 SP No.2
WEBS	2x4 SP No.2
SLIDER	Right 2x4 SP No.2 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-5-3 max.): 8-11.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-28, 12-29, 13-19
JOINTS	1 Brace at Jt(s): 28, 29
	This truss requires both edges of the bottom chord be sheathed in the room area.

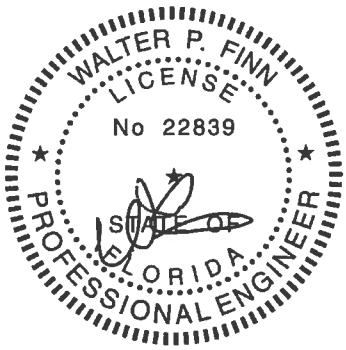
REACTIONS. (lb/size) 2=-176/0-3-8, 25=2594/0-3-8, 19=618/0-3-8, 16=1507/0-3-8
Max Horz 2=214(LC 11)
Max Uplift 2=-609(LC 16), 19=-17(LC 8), 16=-54(LC 12)
Max Grav 25=3279(LC 18), 19=962(LC 25), 16=1604(LC 2)

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

TOP CHORD	2-3=-440/2493, 3-4=-959/148, 4-5=-2017/395, 5-6=-2474/526, 6-7=-1913/496, 7-8=-778/215, 8-9=-1659/492, 9-10=-1609/464, 10-11=-1609/464, 11-12=-749/187, 12-13=-1899/500, 13-14=-2421/503, 14-16=-1982/554
BOT CHORD	2-25=-2180/491, 24-25=-2180/491, 23-24=-18/915, 22-23=-148/1824, 19-22=-138/2011, 18-19=-322/1648, 16-18=-321/1613
WEBS	3-25=-2862/564, 3-24=-535/3460, 4-24=-1720/358, 4-23=-177/1201, 5-23=-1097/202, 5-22=-114/570, 6-22=-167/894, 7-26=-1659/370, 26-28=-1637/368, 28-29=-1134/484, 27-29=-1741/411, 12-27=-1766/413, 13-19=-108/641, 14-19=-123/487, 14-18=-759/0, 8-28=-342/1134, 11-29=-358/1151

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=47ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 6-7, 12-13, 7-26, 26-28, 28-29, 27-29, 12-27; Wall dead load (5.0psf) on member(s).6-22, 13-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-22
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 16 except (jt=lb) 2=609.
10) 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: November 1,2019

Continued on page 2

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Tampa, FL 36610

NOTES-

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

12) Attic room checked for L/360 deflection.

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

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540936
Bryant	A9	ATTIC	3	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:25 2019 Page 1
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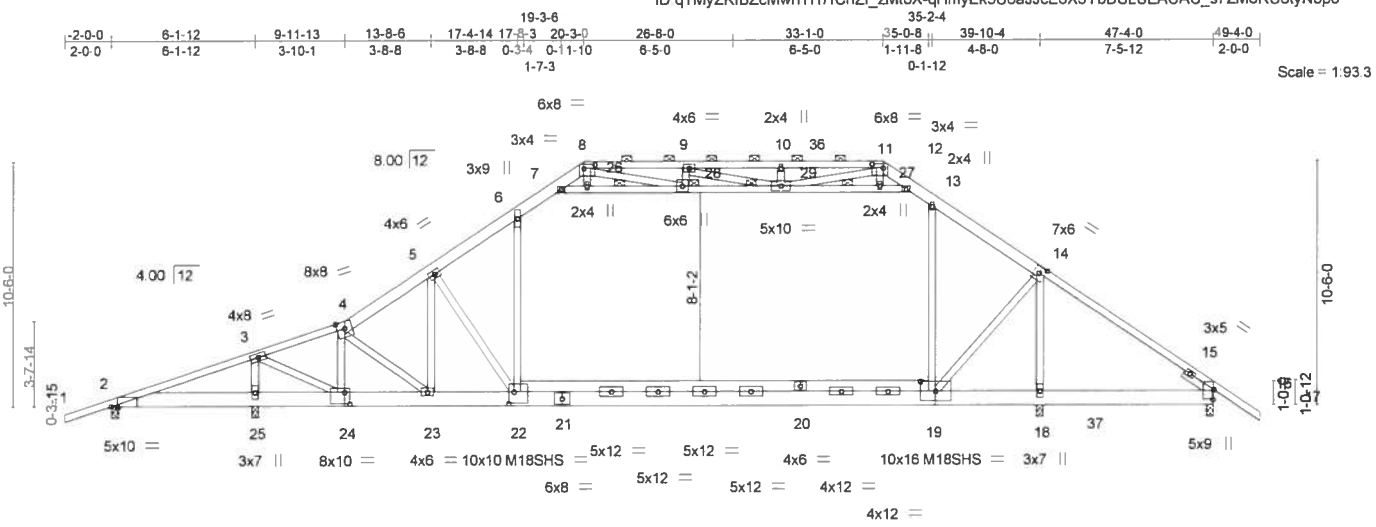


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	-0.43	19-22	>938	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.65	19-22	>623	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.34	19-22	628	360	Weight: 413 lb	FT = 0%

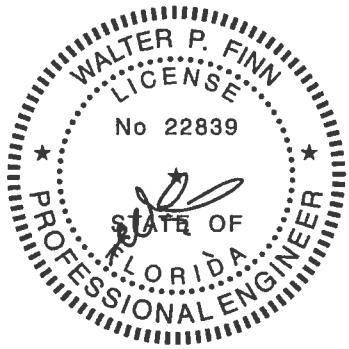
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-8,11-14: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 19-20,20-22: 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Right 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-4-14 max.): 8-11.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-28, 12-29
JOINTS 1 Brace at Jt(s): 28, 29
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (lb/size) 2=-147/0-3-8, 25=2578/0-3-8, 18=914/0-3-8, 16=1198/0-3-8
Max Horz 2=216(LC 11)
Max Uplift 2=-542(LC 16), 16=-18(LC 12)
Max Grav 25=3283(LC 18), 18=1469(LC 19), 16=1268(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/2345, 3-4=-1052/163, 4-5=-2083/194, 5-6=-2535/142, 6-7=-1960/251, 7-8=-780/279, 8-9=-1656/589, 9-10=-1634/574, 10-11=-1634/574, 11-12=-792/263, 12-13=-1940/254, 13-14=-2477/169, 14-16=-1545/224
BOT CHORD 2-25=-2042/25, 24-25=-2042/25, 23-24=-34/1000, 22-23=0/1876, 19-22=0/2060, 18-19=-25/1265, 16-18=-27/1242
WEBS 3-25=-2820/175, 3-24=-30/3402, 4-24=-1697/95, 4-23=0/1157, 5-23=-1092/0, 5-22=-77/561, 6-22=0/944, 7-26=-1744/0, 26-28=-1724/0, 28-29=-1232/408, 27-29=-1736/10, 12-27=-1760/9, 13-19=0/743, 14-19=0/1335, 14-18=-1904/0, 8-28=-351/1164, 11-29=-361/1145

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=47ft; eave=6ft; Cat. II; Exp B; 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 6-7, 12-13, 7-26, 26-28, 28-29, 27-29, 12-27; Wall dead load (5.0psf) on member(s).6-22, 13-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-22
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 2=542.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.



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Date: November 1,2019

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540937
Bryant	A10GIR	ATTIC	2	3	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:04 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-yE?0qZrJ27glb0?VLejI5w5hFk21aSdTX1rsqbyNopL

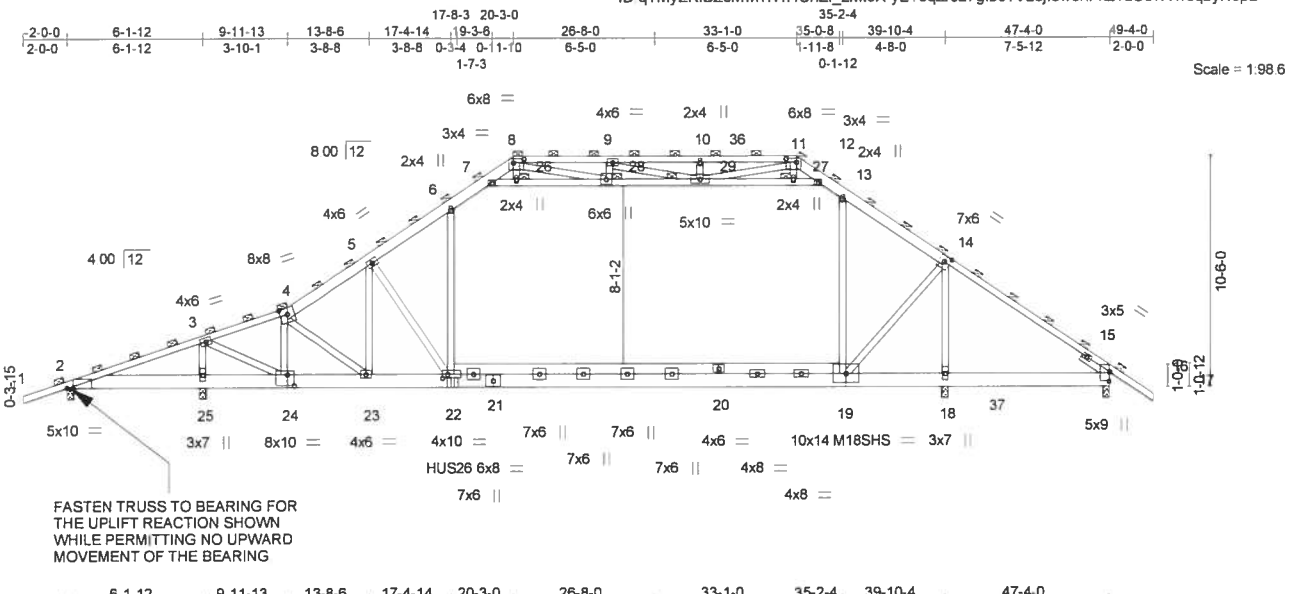


Plate Offsets (X,Y)-- [2:0-3-4,Edge], [8:0-5-12,0-2-0], [11:0-5-12,0-2-0], [14:0-3-0,0-3-4], [16:0-5-1,0-0-4], [22:0-2-12,0-2-0], [24:0-3-12,0-6-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.29	19-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.45	19-22	>898	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.23	19-22	940	360	Weight: 1239 lb	FT = 0%

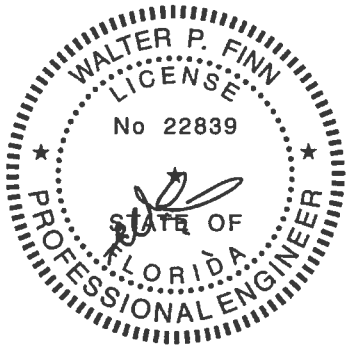
LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-8,11-14: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 19-20,20-22: 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Right 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-25,24-25.
JOINTS 1 Brace at Jt(s): 4, 8, 11, 26, 27, 28, 29
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=432(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=-1409(LC 30), 16=-263(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2 except 25=7654(LC 30), 18=3090(LC 15), 16=2956(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-37/5935, 3-4=-2068/0, 4-5=-4709/72, 5-6=-5713/0, 6-7=-4322/122, 7-8=-1441/304, 8-9=-3187/563, 9-10=-3123/579, 10-11=-3123/579, 11-12=-1445/304, 12-13=-4287/125, 13-14=-5533/28, 14-16=-3715/341
BOT CHORD 2-25=-5264/149, 24-25=-5264/149, 23-24=0/1950, 22-23=0/4221, 19-22=0/4606, 18-19=-41/3058, 16-18=-38/3002
WEBS 3-25=-6590/65, 3-24=0/8067, 4-24=-4127/99, 4-23=0/2999, 5-23=-2246/0, 5-22=-15/1137, 6-22=0/2049, 7-26=-4154/0, 26-28=-4104/0, 28-29=-2732/252, 27-29=-4192/22, 12-27=-4248/18, 13-19=-64/1618, 14-19=0/2673, 14-18=-3906/0, 8-26=0/326, 11-27=0/364, 9-28=-499/104, 10-29=-488/105, 8-28=-215/2369, 11-29=-230/2346

NOTES-
1) 3-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: 2x8 - 2 rows staggered 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) 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=47ft; eave=6ft; Cat. II; Exp B; 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) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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Continued on page 2

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NOTES-

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, with BCDL = 10.0psf.
9) Ceiling dead load (5.0 psf) on member(s). 6-7, 12-13, 7-26, 26-28, 28-29, 27-29, 12-27; Wall dead load (5.0psf) on member(s).6-22, 13-19
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-22
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 2=1409, 16=263.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) 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.
14) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 17-5-14 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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-6=-120, 6-7=-140, 7-8=-120, 8-11=-120, 11-12=-120, 12-13=-140, 13-17=-120, 2-22=-40, 19-22=-60, 19-32=-40, 7-12=-20
   Drag: 6-22=-20, 13-19=-20
   Concentrated Loads (lb)
   Vert: 22=-646(B)

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Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	B1GIR	Hip Girder	1	2	T18540938

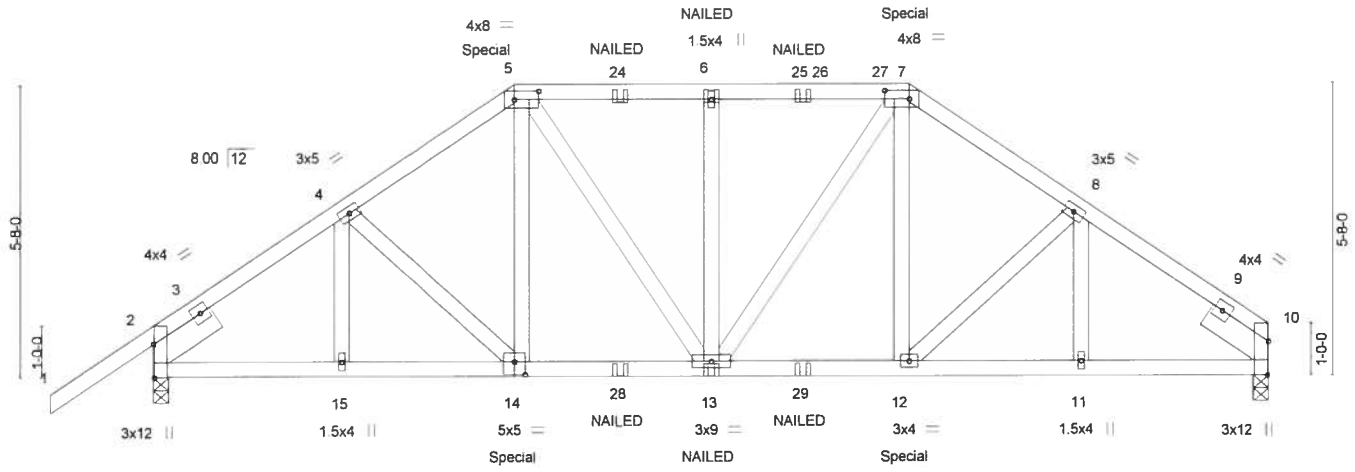
Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:28 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-FsS4tm7NPVhuTir6lg8w3_4poPEOBRW?3mf8fCyNooz

-2-0-0	3-7-12	7-0-0	10-10-0	14-8-0	18-0-4	21-8-0
2-0-0	3-7-12	3-4-4	3-10-0	3-10-0	3-4-4	3-7-12

Scale = 1:42.2



3-7-12	7-0-0	10-10-0	14-8-0	18-0-4	21-8-0
3-7-12	3-4-4	3-10-0	3-10-0	3-4-4	3-7-12

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [5:0-5-12,0-2-0], [7:0-5-12,0-2-0], [10:0-7-13,Edge], [14:0-2-8,0-3-0]

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	0.58	Vert(LL)	-0.04	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.09	13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 284 lb	FT = 0%

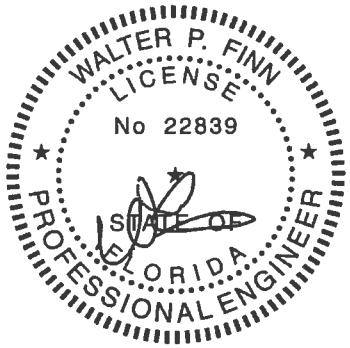
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

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. (lb/size) 10=1577/0-3-8, 2=1712/0-3-8
Max Horz 2=104(LC 7)
Max Uplift 10=-140(LC 8), 2=-194(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2030/207, 4-5=-2077/269, 5-6=-1959/267, 6-7=-1959/267, 7-8=-2083/274, 8-10=-2058/221
BOT CHORD 2-15=-137/1558, 14-15=-137/1558, 13-14=-152/1715, 12-13=-134/1726, 11-12=-136/1590, 10-11=-136/1590
WEBS 4-14=-151/292, 5-14=0/429, 5-13=-55/460, 6-13=-516/177, 7-13=-57/443, 7-12=0/440, 8-12=-170/294

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: 2x4 - 1 row 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 B; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=140, 2=194.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 228 lb down and 177 lb up at 7-0-0, and 228 lb down and 177 lb up at 14-8-0 on top chord, and 298 lb down and 33 lb up at 7-0-0, and 298 lb down and 33 lb up at 14-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-7=-60, 7-10=-60, 16-20=-20
   Concentrated Loads (lb)
   Vert: 5=-181(B) 7=-181(B) 14=-279(B) 13=-52(B) 6=-119(B) 12=-279(B) 24=-119(B) 25=-119(B) 28=-52(B) 29=-52(B)

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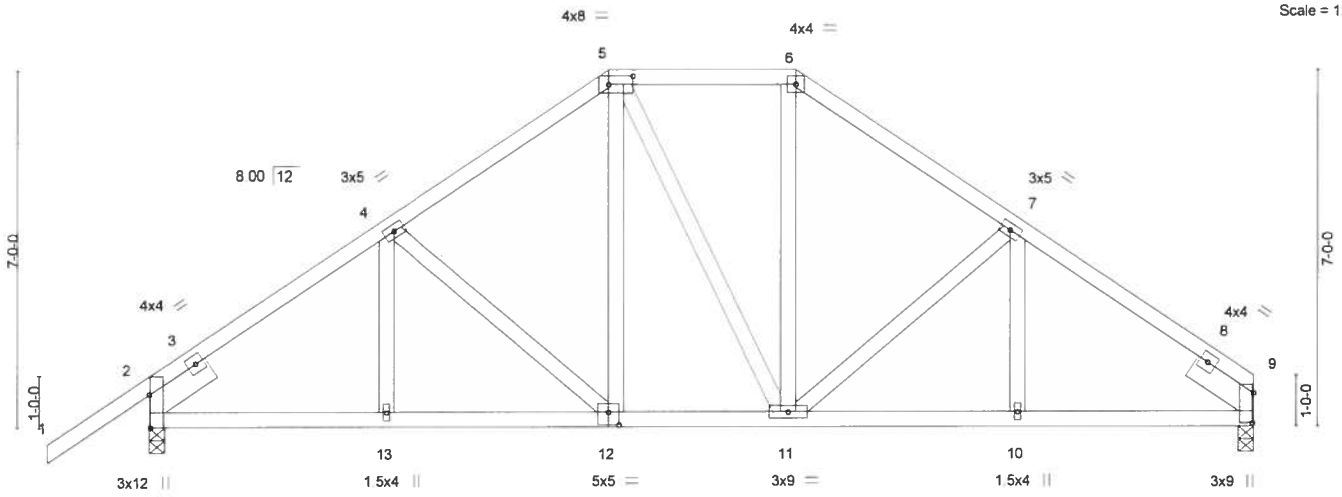
Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	B2	Hip	1	1	T18540939
					Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:29 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-j20T468?Appl5sQIIOf9cBd??pbXwsR8HQPhBeyNooy

-2-0-0	4-7-12	9-0-0	12-8-0	17-0-4	21-8-0
2-0-0	4-7-12	4-4-4	3-8-0	4-4-4	4-7-12

Scale = 1:42.6



4-7-12	9-0-0	12-8-0	17-0-4	21-8-0
4-7-12	4-4-4	3-8-0	4-4-4	4-7-12

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [5:0-5-12,0-2-0], [9:0-7-1,0-0-4], [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	0.55	Vert(LL)	-0.05	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.10	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 138 lb	FT = 0%

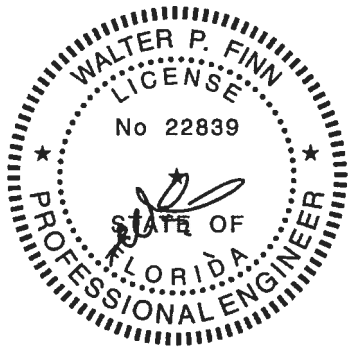
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 9=861/0-3-8, 2=992/0-3-8
Max Horz 2=128(LC 11)
Max Uplift 2=-51(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1063/202, 4-5=-877/237, 5-6=-690/235, 6-7=-893/237, 7-9=-1087/209
BOT CHORD 2-13=-94/803, 12-13=-94/803, 11-12=-15/687, 10-11=-102/830, 9-10=-102/830
WEBS 6-11=-26/255

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 B; 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 100 lb uplift at joint(s) 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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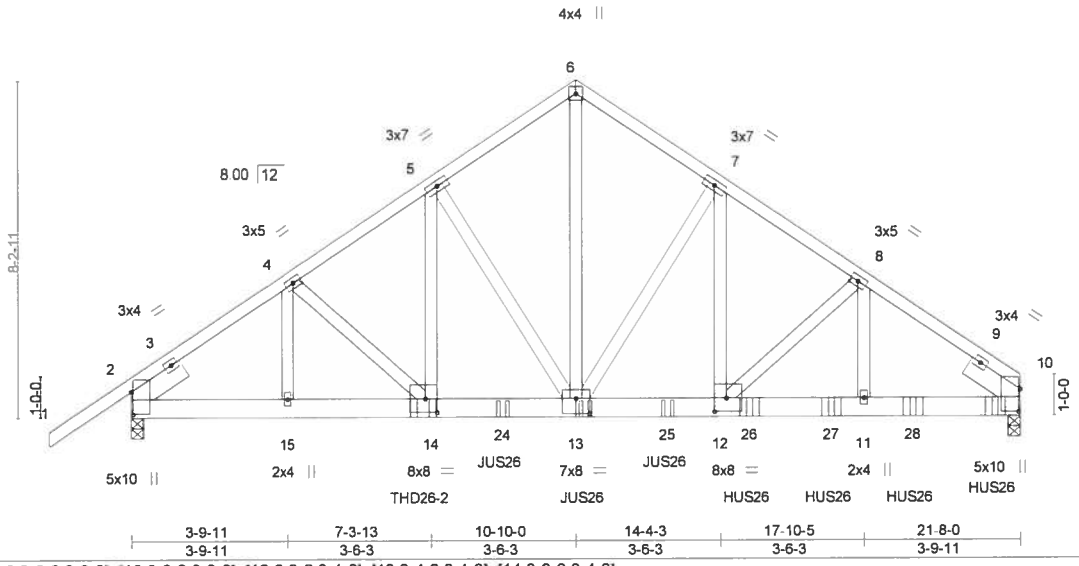
Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	B3GIR	Common Girder	1	2	T18540940

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:31 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-fR7DVoAFhQ4SKAZhQpidhciJ9dKnOhiRlkuoGXyNoow

-2-0-0	3-9-11	7-3-13	10-10-0	14-4-3	17-10-5	21-8-0
2-0-0	3-9-11	3-6-3	3-6-3	3-6-3	3-6-3	3-9-11

Scale = 1:52.9



3-9-11	7-3-13	10-10-0	14-4-3	17-10-5	21-8-0
3-9-11	3-6-3	3-6-3	3-6-3	3-6-3	3-9-11

Plate Offsets (X,Y)-- [2:0-6-9,0-0-8], [10:0-6-9,0-0-8], [12:0-3-8,0-4-0], [13:0-4-0,0-4-8], [14:0-3-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.17	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 332 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

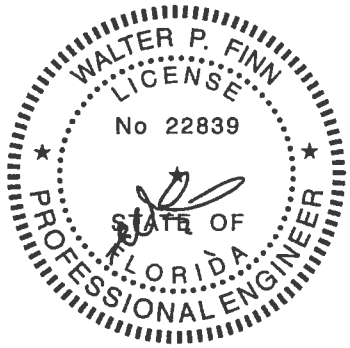
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=5146/0-3-8, 2=3465/0-3-8
Max Horz 2=150(LC 7)
Max Grav 10=5617(LC 2), 2=3465(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-4459/0, 4-5=-4939/0, 5-6=-4032/0, 6-7=-4034/0, 7-8=-5383/0, 8-10=-6290/0
BOT CHORD 2-15=0/3592, 14-15=0/3592, 13-14=0/4094, 12-13=0/4475, 11-12=0/5112, 10-11=0/5112
WEBS 6-13=0/4245, 7-13=-2156/0, 7-12=0/2350, 8-12=-875/0, 8-11=0/1116, 5-13=-1493/226, 5-14=-188/1528, 4-14=-9/720, 4-15=-753/0

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 B; 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) 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 front face of bottom chord.
8) 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 front face of bottom chord.
9) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 15-0-12 from the left end to 21-0-12 to connect truss(es) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard



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November 1,2019

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-10=-60, 16-20=-20
   Concentrated Loads (lb)
   Vert: 13=-682(F) 14=-1373(F) 18=-830(F) 24=-682(F) 25=-682(F) 26=-842(F) 27=-842(F) 28=-826(F)

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Job	Truss	Truss Type	Qty	Ply	Bryant	
Bryant	B4GIR	Half Hip	1	2	Job Reference (optional)	T18540941

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:32 2019 Page 1
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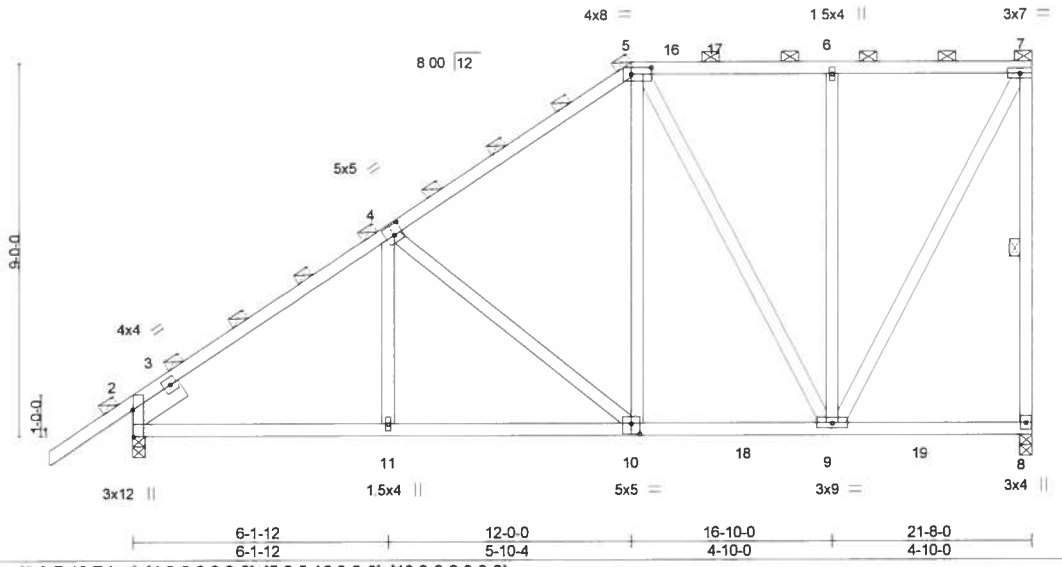


Scale = 1:52.3

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [4:0-2-8,0-3-0], [5:0-5-12,0-2-0], [10:0-2-8,0-3-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.12	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 318 lb	FT = 0%

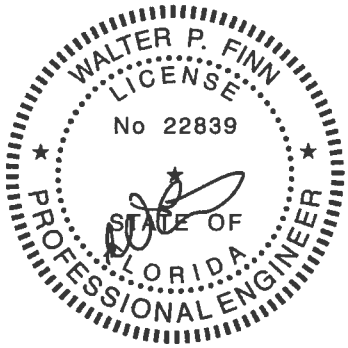
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD 2-0-0 oc purlins (5-11-7 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8

REACTIONS. (lb/size) 8=1711/0-3-8, 2=1973/0-3-8
Max Horz 2=549(LC 11)
Max Uplift 8=-86(LC 9), 2=-88(LC 12)
Max Grav 8=1842(LC 17), 2=1973(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2118/386, 4-5=-1493/457, 5-6=-824/427, 6-7=-824/427, 7-8=-1649/520
BOT CHORD 2-11=-837/1876, 10-11=-839/1874, 9-10=-557/1226, 8-9=-255/286
WEBS 4-11=0/416, 4-10=-850/366, 5-10=-109/813, 5-9=-787/314, 6-9=-664/330, 7-9=-504/1655

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: 2x4 - 1 row 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 B; 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540942
Bryant	B5	Common	8	1	Job Reference (optional)	

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:33 2019 Page 1
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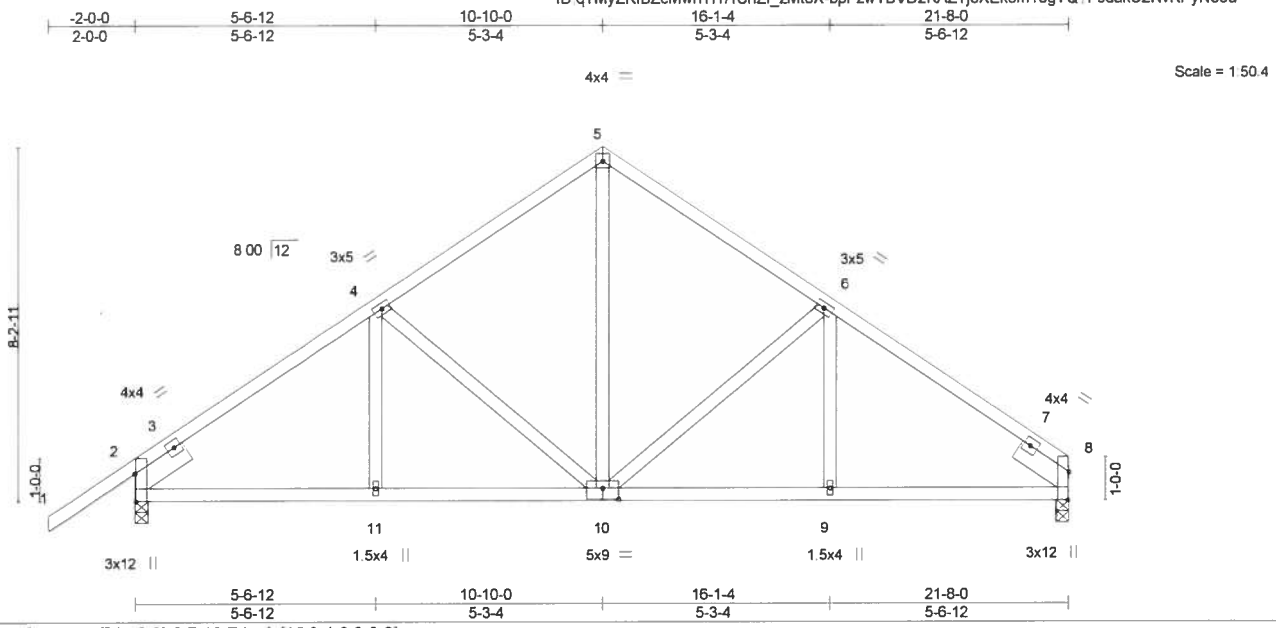

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [8:0-7-13,Edge], [10:0-4-8,0-3-0]

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	0.58	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.11	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 125 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 8=861/0-3-8, 2=992/0-3-8
Max Horz 2=150(LC 11)
Max Uplift 2=-51(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1069/199, 4-5=-816/230, 5-6=-818/231, 6-8=-1086/205
BOT CHORD 2-11=-80/806, 10-11=-80/806, 9-10=-86/826, 8-9=-86/826
WEBS 5-10=-115/544, 6-10=-326/145, 4-10=-328/137

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 B; 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) 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	Bryant	T18540943
Bryant	B6GE	Common Structural Gable	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:34 2019 Page 1
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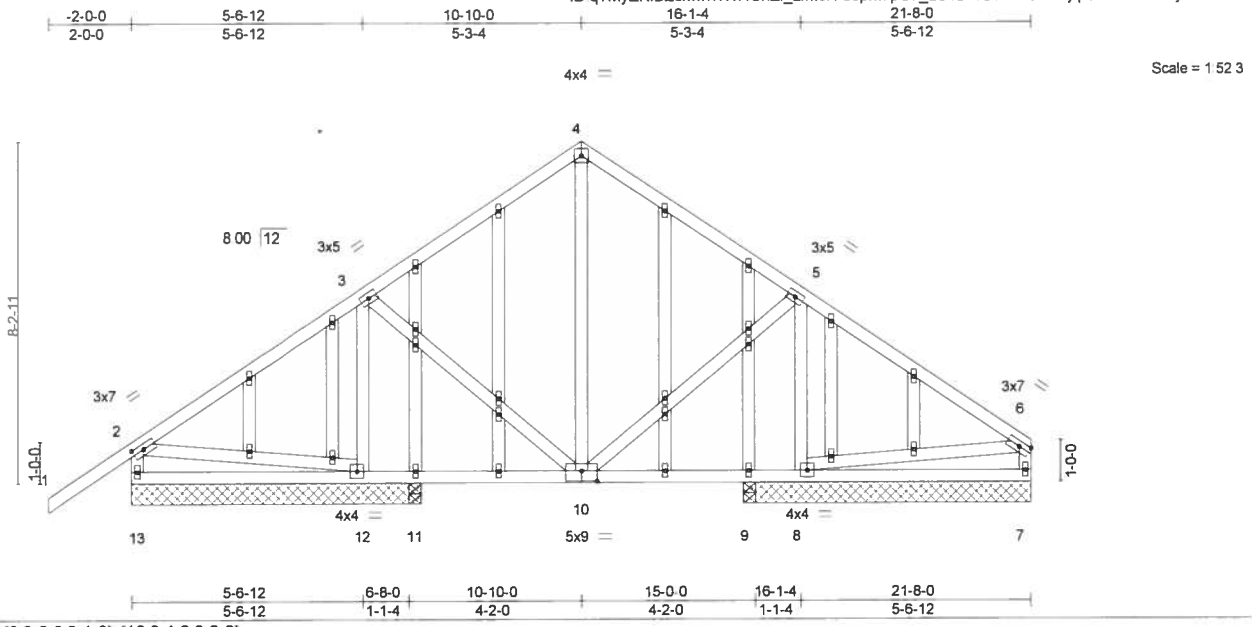


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [10:0-4-8,0-3-0]

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	0.30	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 183 lb	FT = 0%

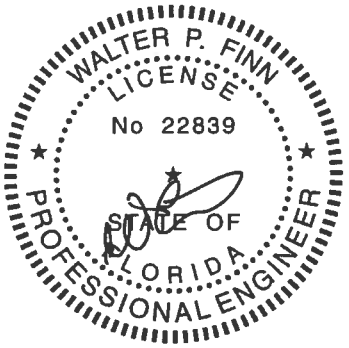
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 6-11-8 except (jt=length) 11=0-3-8, 11=0-3-8, 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 13=172(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 13
Max Grav All reactions 250 lb or less at joint(s) 7, 11, 11, 9, 9 except 8=568(LC 1), 12=569(LC 1), 13=390(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-296/147, 4-5=-297/148, 2-13=-338/168
WEBS 5-8=-471/162, 3-12=-483/161

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 B; 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 studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 12, 13.
9) 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:
November 1,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540944
Bryant	C1GIR	Flat Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:36 2019 Page 1
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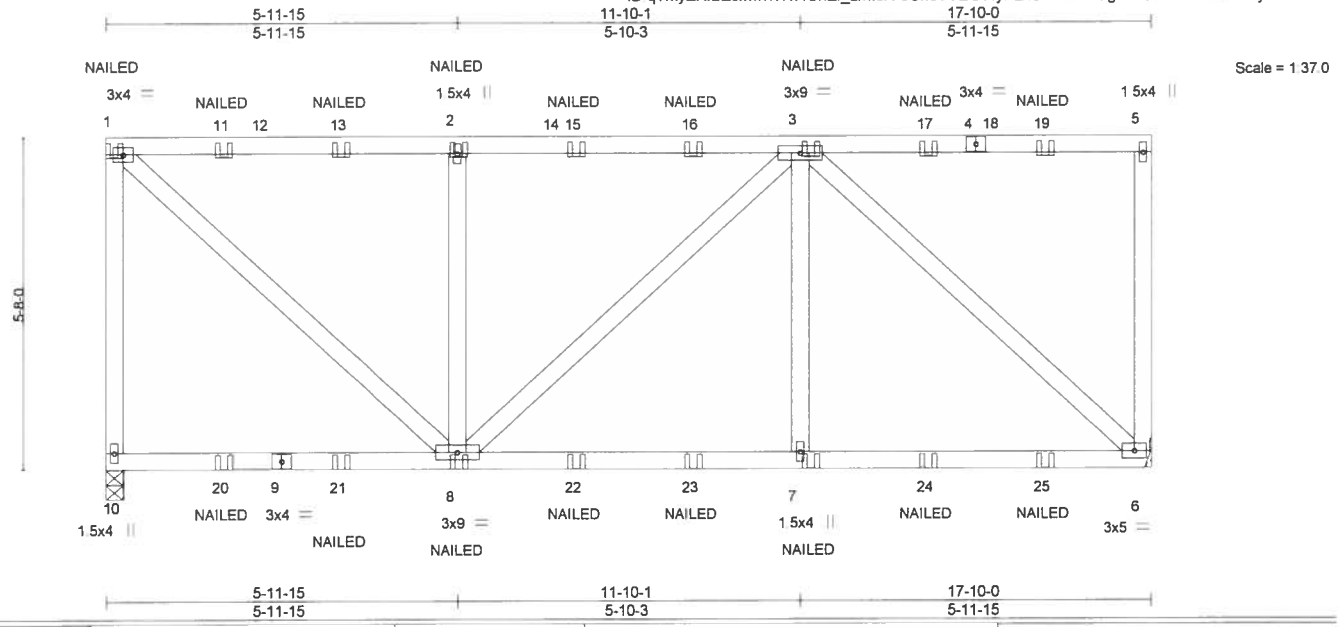


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 234 lb	FT = 0%

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

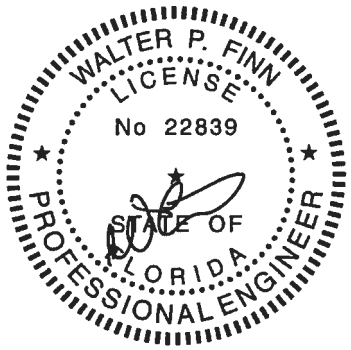
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=1533/0-3-8, 6=1393/Mechanical
Max Horz 10=-151(LC 6)
Max Uplift 10=-197(LC 4), 6=-141(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1434/245, 1-2=-1148/149, 2-3=-1148/149, 5-6=-261/82
BOT CHORD 7-8=-158/1149, 6-7=-158/1149
WEBS 1-8=-163/1520, 2-8=-744/255, 3-7=0/511, 3-6=-1522/165

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: 2x4 - 1 row 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) 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 B; 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
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=197, 6=141.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 1=-152(B) 8=-52(B) 2=-119(B) 7=-52(B) 3=-119(B) 11=-119(B) 13=-119(B) 15=-119(B) 16=-119(B) 17=-119(B) 19=-119(B) 20=-52(B) 21=-52(B) 22=-52(B) 23=-52(B) 24=-52(B) 25=-52(B)



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November 1,2019

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540945
Bryant	C2	Flat	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:37 2019 Page 1
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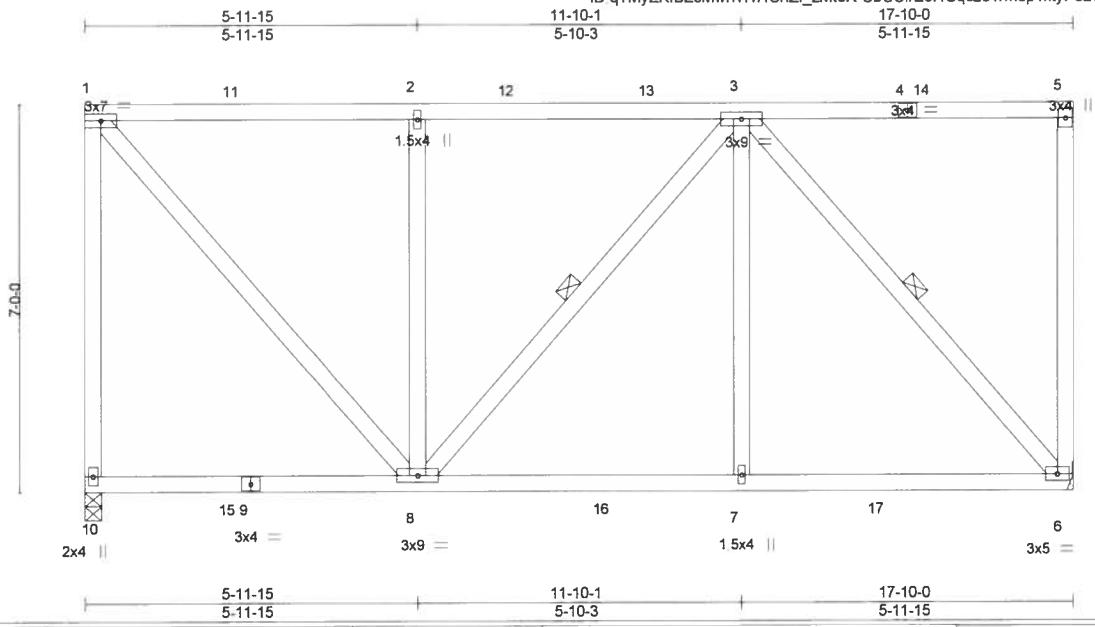


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 129 lb	FT = 0%

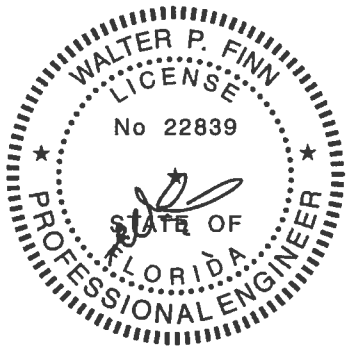
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-8, 3-6

REACTIONS. (lb/size) 10=702/0-3-8, 6=702/Mechanical
Max Horz 10=188(LC 9)
Max Uplift 10=-44(LC 8), 6=-44(LC 9)
Max Grav 10=764(LC 18), 6=750(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-650/225, 1-2=-479/140, 2-3=-479/140
BOT CHORD 8-10=-275/292, 7-8=-213/515, 6-7=-213/515
WEBS 1-8=-219/693, 2-8=-372/188, 3-7=0/294, 3-6=-740/221

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 B; 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, with BCDL = 10.0psf.
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) 10, 6.
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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Date:
November 1,2019

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MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540946
Bryant	C3	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:38 2019 Page 1
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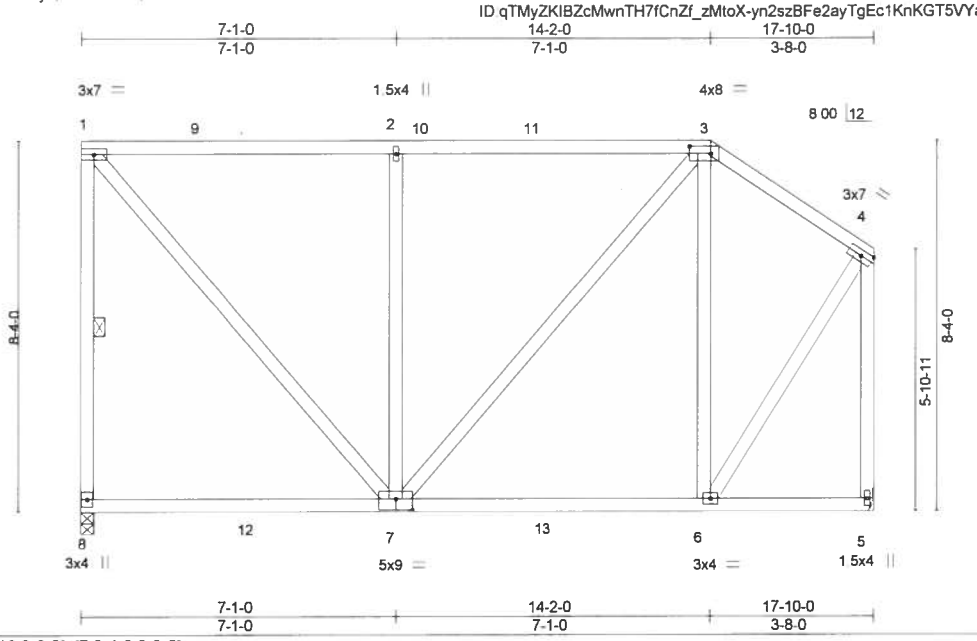

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [7:0-4-8,0-3-0]

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	0.50	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.12	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 137 lb	FT = 0%

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 1-8

REACTIONS. (lb/size) 8=702/0-3-8, 5=702/Mechanical
Max Horz 8=-230(LC 8)
Max Uplift 8=-61(LC 8)
Max Grav 8=782(LC 18), 5=723(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-643/260, 1-2=-447/177, 2-3=-447/177, 3-4=-421/138, 4-5=-711/173
BOT CHORD 7-8=-330/357, 6-7=-128/314
WEBS 1-7=-255/657, 2-7=-483/238, 3-7=-112/264, 3-6=-303/201, 4-6=-134/560

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 B; 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, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540947
Bryant	C4	Roof Special	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:39 2019 Page 1
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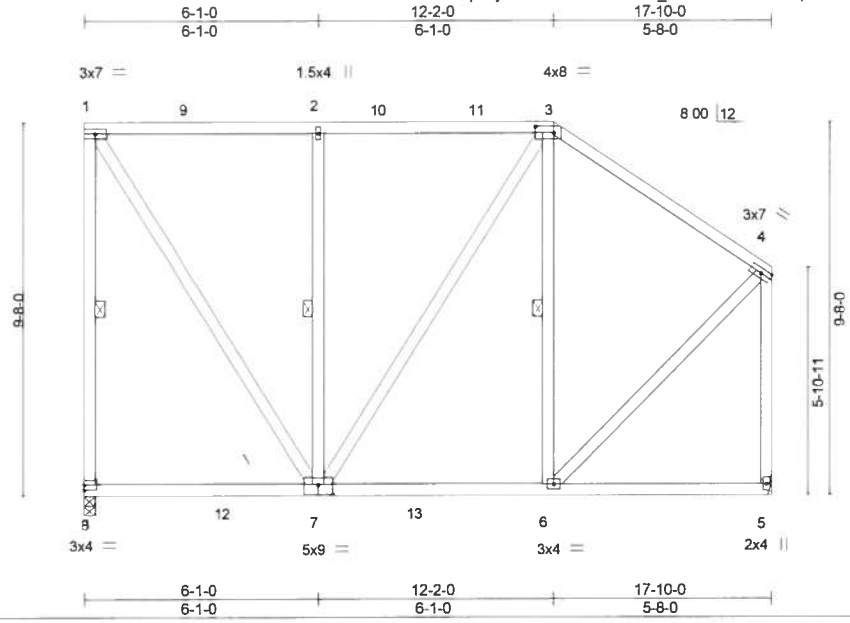

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [7:0-4-8,0-3-0]

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	0.57	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.08	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 147 lb	FT = 0%

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 1-8, 2-7, 3-6

REACTIONS. (lb/size) 8=702/0-3-8, 5=702/Mechanical
Max Horz 8=-271(LC 8)
Max Uplift 8=-78(LC 8)
Max Grav 8=800(LC 18), 5=712(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-675/283, 1-2=-370/192, 2-3=-370/192, 3-4=-482/121, 4-5=-665/187
BOT CHORD 7-8=-389/419, 6-7=-133/361
WEBS 1-7=-277/653, 2-7=-403/207, 4-6=-101/477

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 B; 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, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540948
Bryant	C5	ATTIC	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:40 2019 Page 1
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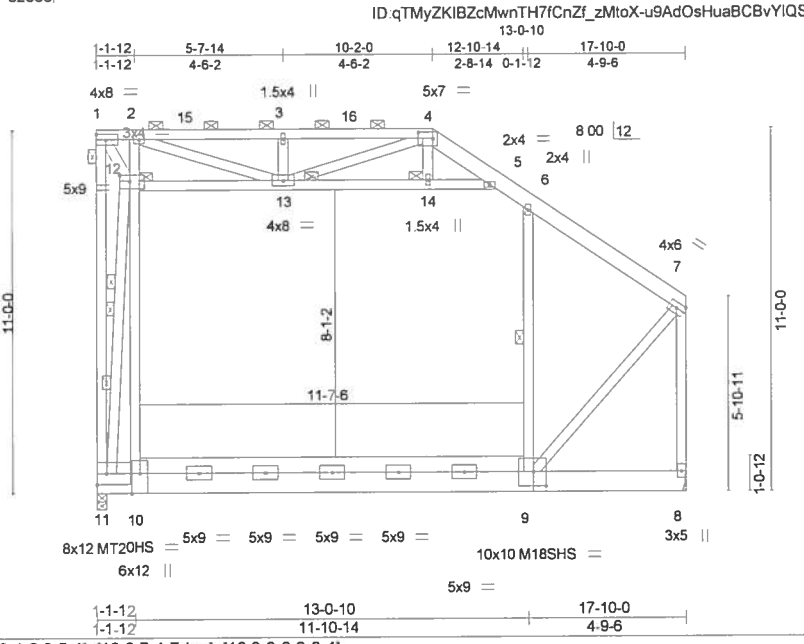


Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [9:0-4-8,0-5-4], [10:0-7-4,Edge], [12:0-3-8,0-2-4]

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	0.62	Vert(LL)	-0.18	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.31	9-10	>688	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.02	8	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.11	9-10	1348	360	Weight: 227 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-7: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except* 9-10: 2x6 SP No.2
WEBS	2x4 SP No.2 *Except* 11-12: 2x4 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-4.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 1-11, 6-9 2 Rows at 1/3 pts 11-12
JOINTS	1 Brace at Jt(s): 1, 12, 13, 14 This truss requires both edges of the bottom chord be sheathed in the room area.

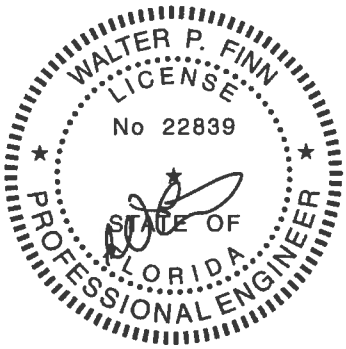
REACTIONS. (lb/size) 11=955/0-3-8, 8=862/Mechanical
Max Horz 11=-307(LC 8)
Max Grav 11=1361(LC 19), 8=1092(LC 18)

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

TOP CHORD	1-11=-547/963, 1-2=-333/595, 2-3=-609/279, 3-4=-609/279, 4-5=-636/176, 5-6=-510/152, 6-7=-598/24, 7-8=-910/57
BOT CHORD	10-11=-157/415, 9-10=-132/458
WEBS	11-12=-3604/948, 10-12=-270/2310, 2-12=-545/391, 6-9=-390/134, 12-13=-857/315, 13-14=-189/318, 5-14=-192/315, 7-9=-91/634, 3-13=-267/136, 2-13=-417/995, 1-12=-942/451

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 B; 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) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-13, 13-14, 5-14; Wall dead load (5.0psf) on member(s).10-12, 6-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-10
8) Refer to girder(s) for truss to truss connections.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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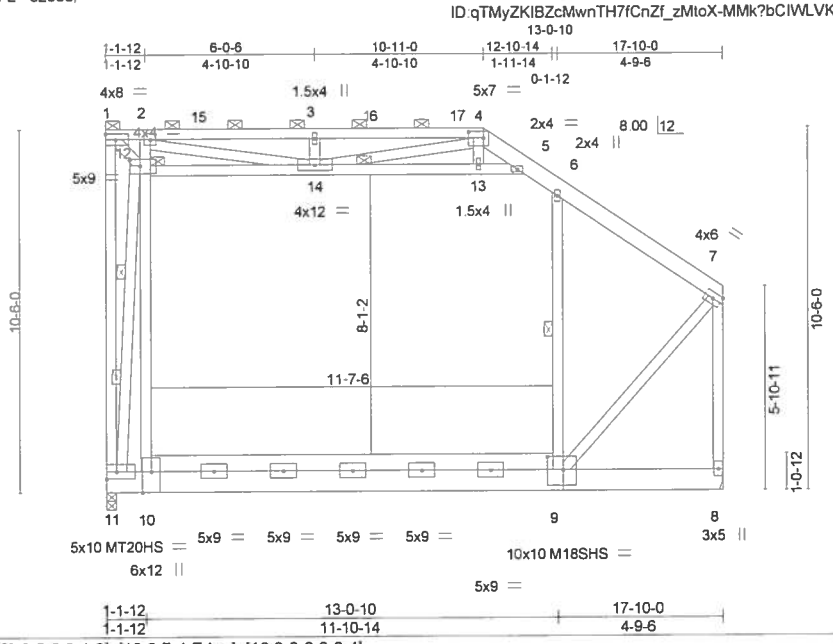
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540949
Bryant	C6	ATTIC	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:41 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-MMk?bCIWLVK2XiKc?vt_5j7y7fj5k4Av2IJKcxyNoom



Scale = 1:62.8

Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [9:0-5-8,0-4-8], [10:0-7-4,Edge], [12:0-3-8,0-2-4]

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	0.93	Vert(LL)	-0.18	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.32	9-10	>665	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	8	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.11	9-10	1326	360	Weight: 223 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	4-7: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except*
	9-10: 2x6 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-9-2 max.): 1-4.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-9
	2 Rows at 1/3 pts 11-12
JOINTS	1 Brace at Jt(s): 1, 12, 14
	This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (lb/size) 11=955/0-3-8, 8=862/Mechanical
Max Horz 11=-292(LC 8)
Max Grav 11=1355(LC 19), 8=1089(LC 18)

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

TOP CHORD	1-11=-467/783, 1-2=-367/655, 2-3=-935/341, 3-4=-935/341, 4-5=-758/219, 5-6=-503/156, 6-7=-587/30, 7-8=-894/66
BOT CHORD	10-11=-153/404, 9-10=-128/448
WEBS	11-12=-3434/840, 10-12=-252/2296, 2-12=-567/379, 6-9=-396/206, 12-14=-919/338, 13-14=-263/476, 5-13=-268/471, 7-9=-86/620, 3-14=-274/140, 2-14=-542/1349, 1-12=-832/409

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 B; 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) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-14, 13-14, 5-13; Wall dead load (5.0psf) on member(s).10-12, 6-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-10
8) Refer to girder(s) for truss to truss connections.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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November 1,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540950
Bryant	C7	ATTIC	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:42 2019 Page 1
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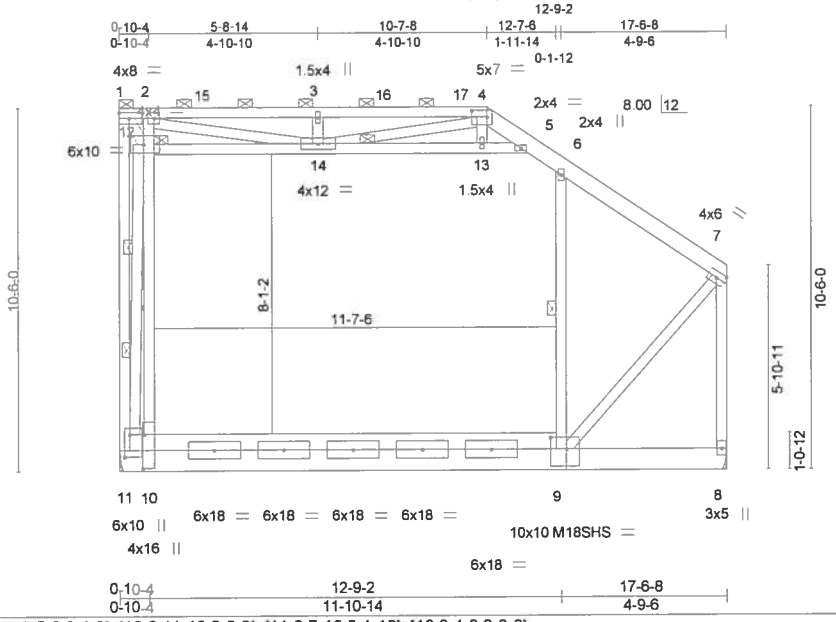

Scale = 1:62.8

Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [9:0-5-8,0-4-0], [10:0-11-12,0-0-8], [11:0-7-12,0-1-12], [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	0.64	Vert(LL)	-0.22	9-10	>945	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.39	9-10	>535	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.12	9-10	1151	360	Weight: 221 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-7: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except* 9-11: 2x6 SP No.2
WEBS	2x4 SP No.2 *Except* 2-10: 2x4 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-4-6 max.): 1-4.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-9 2 Rows at 1/3 pts 11-12
JOINTS	1 Brace at Jt(s): 1, 12, 14 This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS. (lb/size) 11=946/Mechanical, 8=846/Mechanical
Max Horz 11=-289(LC 8)
Max Grav 11=1353(LC 19), 8=1065(LC 18)

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

TOP CHORD	1-11=-378/537, 1-2=-195/316, 2-3=-1075/320, 3-4=-1075/320, 4-5=-840/265, 5-6=-457/156, 6-7=-527/31, 7-8=-804/68
BOT CHORD	10-11=-218/386, 9-10=-172/384
WEBS	11-12=-3561/883, 10-12=-405/2748, 2-12=-529/397, 6-9=-423/203, 12-14=-594/170, 13-14=-327/622, 5-13=-332/619, 7-9=-168/527, 3-14=-273/136, 2-14=-484/1286, 4-14=-200/259, 1-12=-434/202

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 B; 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) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-14, 13-14, 5-13; Wall dead load (5.0psf) on member(s).10-12, 6-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-10
8) Refer to girder(s) for truss to truss connections.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540951
Bryant	C8	ATTIC	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:43 2019 Page 1
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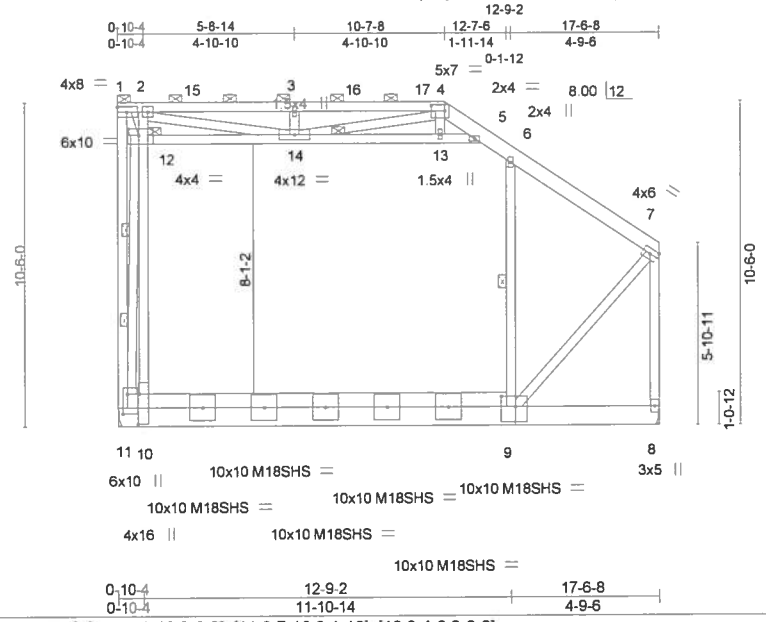


Plate Offsets (X,Y)-- [4:0-5-4,0-2-4], [9:0-5-8,0-4-0], [10:0-11-12,0-0-8], [11:0-7-12,0-1-12], [12:0-4-8,0-2-8]

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	0.66	Vert(LL)	-0.21	9-10	>965	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.38	9-10	>547	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.12	9-10	1167	360	Weight: 221 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-7: 2x6 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E *Except* 9-11: 2x6 SP No.2
WEBS	2x4 SP No.2 *Except* 2-10: 2x4 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-0 max.): 1-4.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 6-9 2 Rows at 1/3 pts 11-12
JOINTS	1 Brace at Jt(s): 1, 12, 14 This truss requires both edges of the bottom chord be sheathed in the room area.

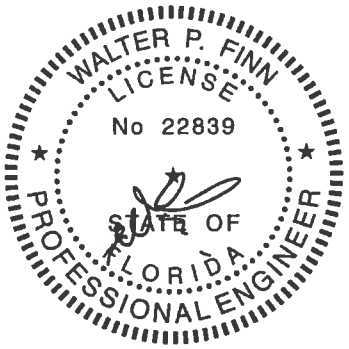
REACTIONS. (lb/size) 11=944/Mechanical, 8=846/Mechanical
Max Horz 11=-289(LC 8)
Max Grav 11=1351(LC 19), 8=1065(LC 18)

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

TOP CHORD	1-11=-389/560, 1-2=-187/298, 2-3=-1054/319, 3-4=-1054/319, 4-5=-828/260, 5-6=-460/156, 6-7=-532/31, 7-8=-812/68
BOT CHORD	10-11=-216/385, 9-10=-167/389
WEBS	11-12=-3598/898, 10-12=-406/2757, 2-12=-513/389, 6-9=-420/202, 12-14=-574/163, 13-14=-320/604, 5-13=-325/600, 7-9=-160/536, 3-14=-276/137, 2-14=-468/1254, 4-14=-199/252, 1-12=-453/212

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 B; 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) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-14, 13-14, 5-13; Wall dead load (5.0psf) on member(s).10-12, 6-9
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-10
8) Refer to girder(s) for truss to truss connections.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



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MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540952
Bryant	CJ01	Diagonal Hip Girder	3	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:44 2019 Page 1
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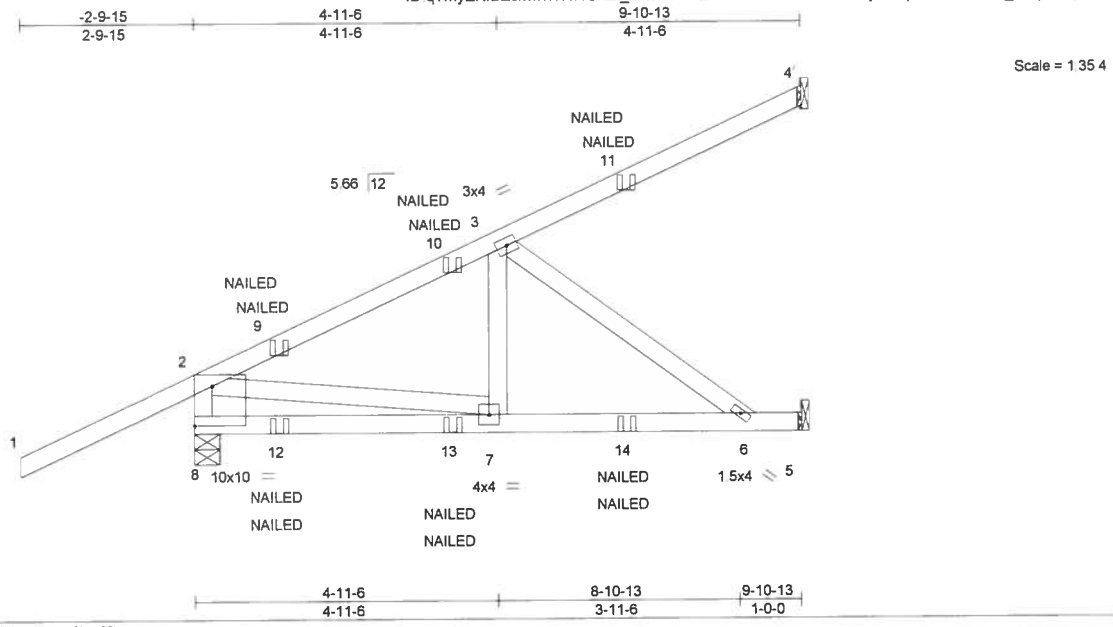

Plate Offsets (X,Y)-- [8:0-1-12,0-0-0], [8:Edge,0-7-12]

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	0.70	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.13	6-7	>923	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 55 lb	FT = 0%

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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 8=454/0-4-15, 4=147/Mechanical, 5=255/Mechanical
Max Horz 8=175(LC 24)
Max Uplift 8=-198(LC 8), 4=-49(LC 8), 5=-23(LC 8)
Max Grav 8=525(LC 28), 4=147(LC 1), 5=287(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-529/181, 2-3=-500/83
BOT CHORD 7-8=-474/56, 6-7=-92/391
WEBS 2-7=0/724, 3-6=-482/114

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 B; 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) 4, 5 except (jt=lb) 8=198.
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: 1-2=-60, 2-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 9=122(F=61, B=61) 11=-64(F=-32, B=-32) 12=64(F=32, B=32) 13=11(F=6, B=6) 14=-35(F=-18, B=-18)

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Date:
November 1,2019

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Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	D1GE	Common Supported Gable	1	1	T18540953
					Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:46 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-jJXuewLf91zKdTDZoST9onqzcgZPPaHeCa05l9yNooh

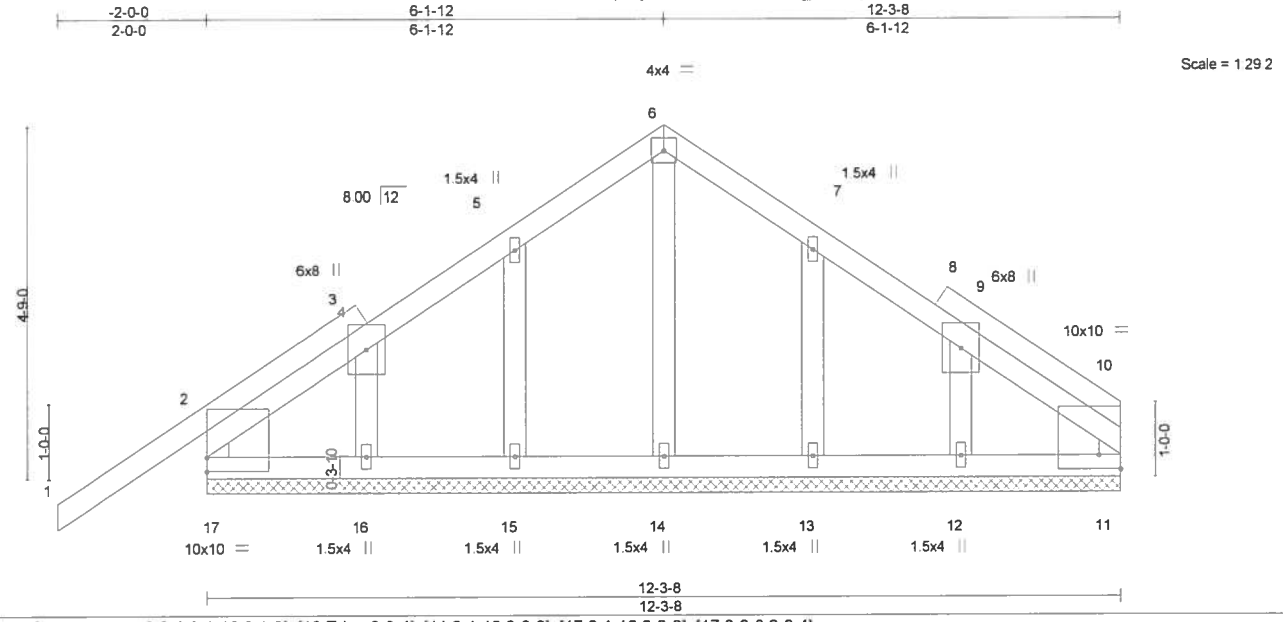

Plate Offsets (X,Y)-- [2:0-1-12,0-1-3], [10:0-1-12,0-1-3], [10:Edge,0-2-4], [11:0-1-12,0-0-0], [17:0-1-12,0-0-0], [17:0-0-0,0-2-4]

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	0.30	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 73 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	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. All bearings 12-3-8.
(lb) - Max Horz 17=103(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 11, 14, 15, 16, 13, 12 except 17=262(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; 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) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 17, 15, 16, 13, 12.

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November 1,2019

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Job	Truss	Truss Type	Qty	Ply	Bryant	T18540954
Bryant	D2	Common	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:47 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-BW5GsGMHwL5BFdomMA_OL_N8B4rU81loQDmeqbyNoog

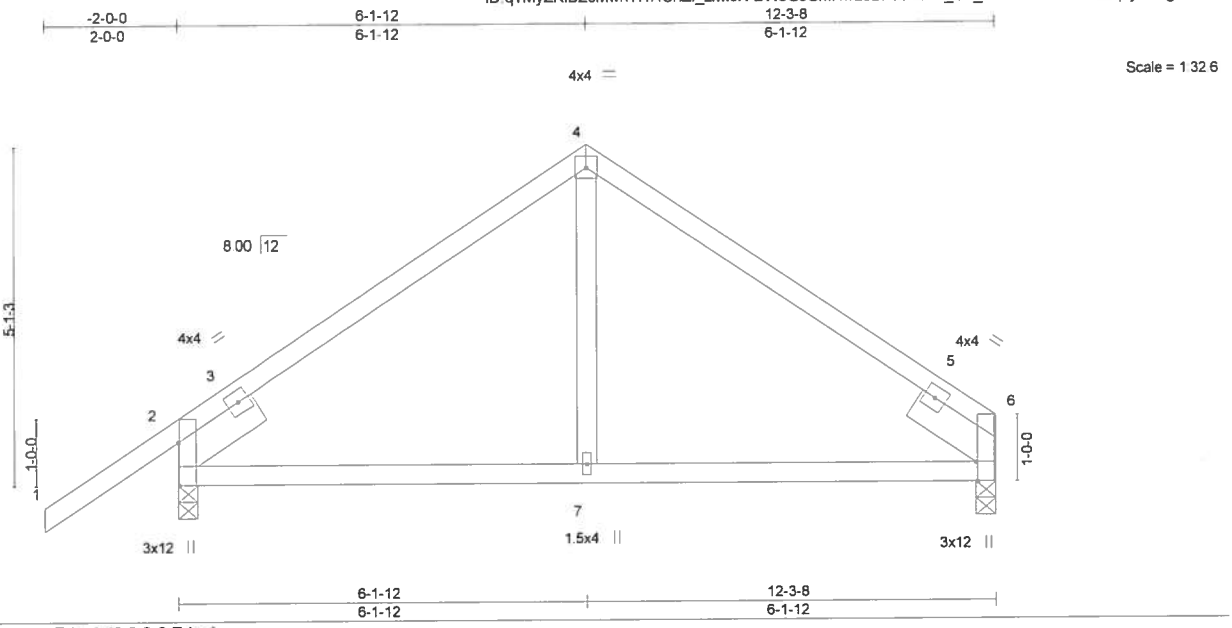


Plate Offsets (X,Y)-- [2:0-7-13,Edge], [6:0-3-8,Edge]

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	0.31	Vert(LL)	-0.03	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.06	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 58 lb	FT = 0%

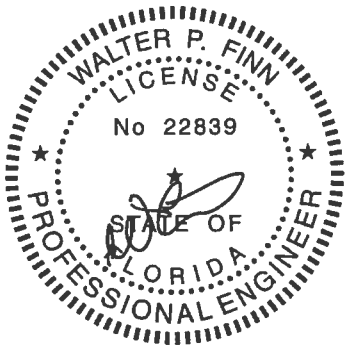
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 6=482/0-3-8, 2=621/0-3-8
Max Horz 2=93(LC 11)
Max Uplift 2=-53(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-501/234, 4-6=-449/125
BOT CHORD 2-7=-8/343, 6-7=-8/343

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 B; 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) 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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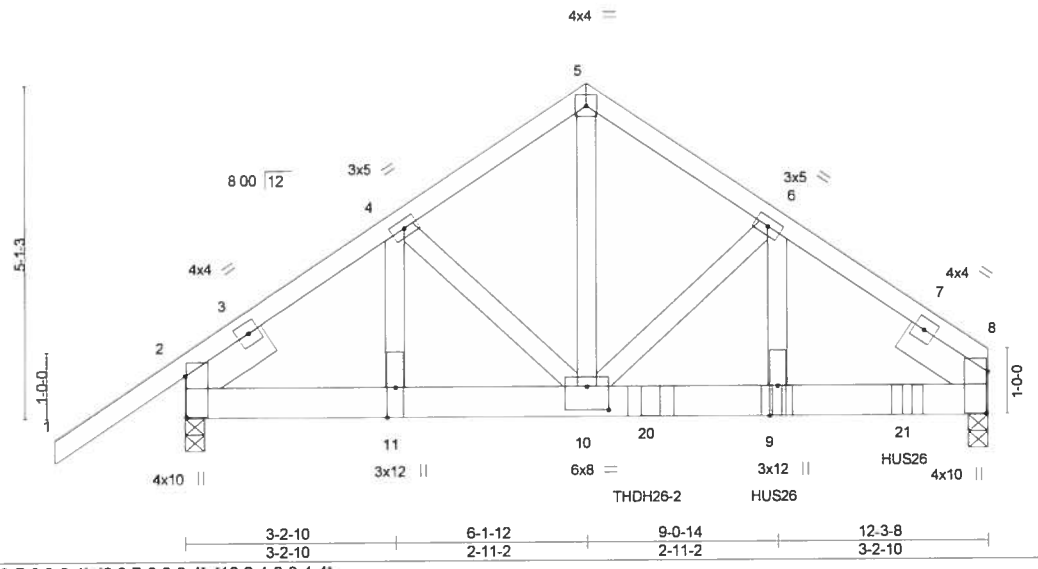
Job	Truss	Truss Type	Qty	Ply	Bryant	T18540955
Bryant	D3GIR	COMMON GIRDER	1	3	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19 07 48 2019 Page 1
ID qTMyZKIBZcMwnTH7fCnZf_zMtoX-fife3cNvheD2tnNywtVdtCvHQT14tQcxftVBM2yNoof

-2-0-0 | 3-2-10 | 6-1-12 | 9-0-14 | 12-3-8
2-0-0 | 3-2-10 | 2-11-2 | 2-11-2 | 3-2-10

Scale = 1 33 2



3-2-10 | 6-1-12 | 9-0-14 | 12-3-8
3-2-10 | 2-11-2 | 2-11-2 | 3-2-10

Plate Offsets (X,Y)-- [2:0-7-9,0-0-4], [8:0-7-9,0-0-4], [10:0-4-0,0-4-4]

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	0.41	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.08	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 258 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

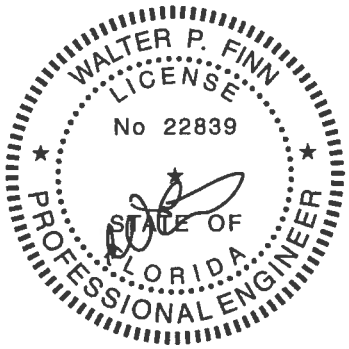
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=5276/0-3-8, 2=2754/0-3-8
Max Horz 2=93(LC 7)
Max Uplift 2=-5(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3271/0, 4-5=-4022/0, 5-6=-4009/0, 6-8=-5931/0
BOT CHORD 2-11=0/2601, 10-11=0/2601, 9-10=0/4774, 8-9=0/4774
WEBS 5-10=0/4090, 6-10=-1979/0, 6-9=0/2543, 4-10=-97/1078, 4-11=-1074/60

NOTES-
1) N/A
2) 3-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 - 3 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-9 2x4 - 2 rows staggered at 0-4-0 oc.
3) 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.
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=24ft; eave=4ft; Cat. II; Exp B; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
9) Use USP THDH26-2 (With 20-16d nails into Girder & 8-16d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to front face of bottom chord.
10) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 11-0-12 to connect truss(es) to front face of bottom chord.
11) 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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Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-60, 5-8=-60, 12-16=-20

Concentrated Loads (lb)

Vert: 9=-1630(F) 20=-3671(F) 21=-1625(F)

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	E1GE	Common Supported Gable	1	1	T18540956
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:49 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-7uD0HxOYSyLvUxy8Tb0sQPSUrta7cxA5uXFivUyNooe

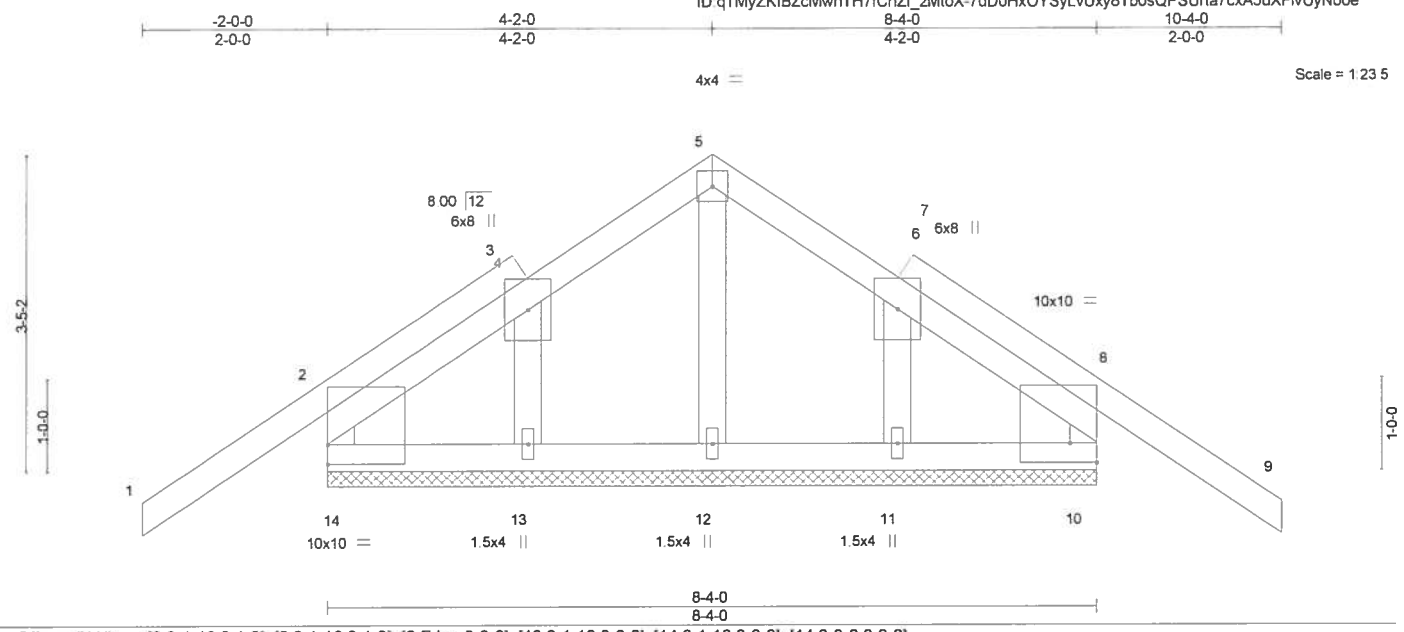


Plate Offsets (X,Y)-- [2:0-1-12,0-1-3], [8:0-1-12,0-1-3], [8:Edge,0-2-8], [10:0-1-12,0-0-0], [14:0-1-12,0-0-0], [14:0-0-0,0-2-8]

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	0.30	Vert(LL)	-0.02	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.04	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 52 lb	FT = 0%

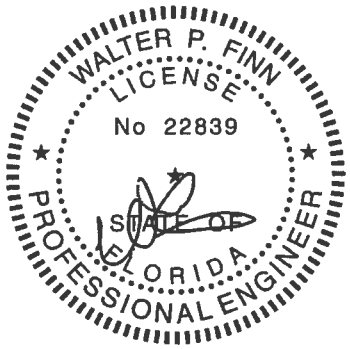
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 8-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 8-4-0.
(lb) - Max Horz 14=86(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 10, 13, 11
Max Grav All reactions 250 lb or less at joint(s) 14, 10, 12, 13, 11

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 B; 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) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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) 14, 10, 13, 11.



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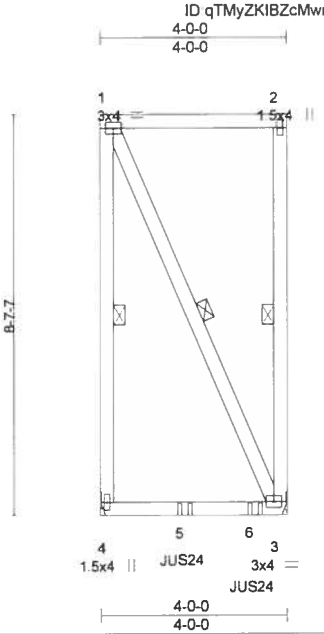
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	GIR1	Flat Girder	2	1	T18540957
					Job Reference (optional)

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:50 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-b5nPUHOADGTm64WL1IY5yd?crHhcLNDE6B_IRwyNood



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)	-0.06	3-4	>700	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.13	3-4	>332	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 49 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2

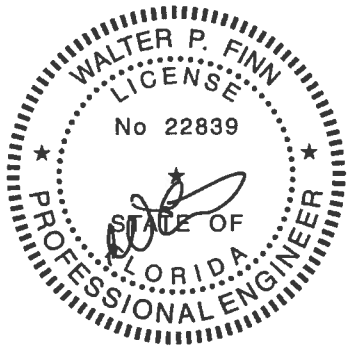
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-0-12 oc bracing.
WEBS 1 Row at midpt 1-4, 2-3, 1-3

REACTIONS. (lb/size) 4=434/Mechanical, 3=686/Mechanical
Max Horz 4=-233(LC 6)
Max Uplift 4=-294(LC 4), 3=-317(LC 5)
Max Grav 4=593(LC 26), 3=827(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-300/288
WEBS 1-3=-287/287

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 B; 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) 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) except (jt=lb) 4=294, 3=317.
7) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 1-6-0 oc max. starting at 1-9-12 from the left end to 3-3-12 to connect truss(es) to front face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-409(F) 6=-414(F)



Walter P. Finn PE No.22839
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Date:
November 1,2019

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MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540958
Bryant	J1	Jack-Open	27	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:51 2019 Page 1
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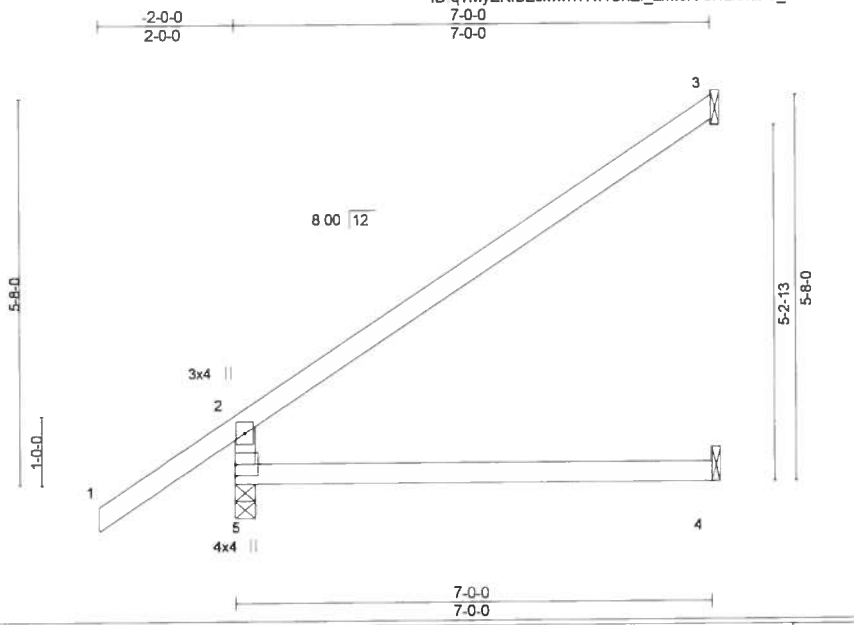

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.09	4-5	>875	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.20	4-5	>399	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.09	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 28 lb	FT = 0%

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. (lb/size) 5=421/0-3-8, 3=179/Mechanical, 4=72/Mechanical
Max Horz 5=176(LC 12)
Max Uplift 5=-11(LC 12), 3=-66(LC 12)
Max Grav 5=421(LC 1), 3=186(LC 17), 4=124(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-357/161

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 B; 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) 5, 3.
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
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant
Bryant	J1A	Jack-Open	1	1	T18540959
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:51 2019 Page 1
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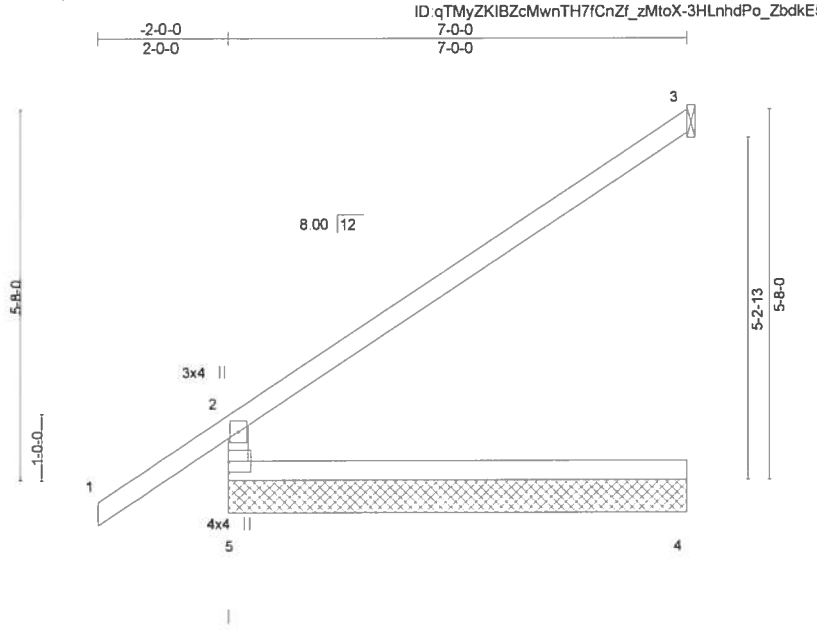


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.10	4-5	>845	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.21	4-5	>386	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.09	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 28 lb	FT = 0%

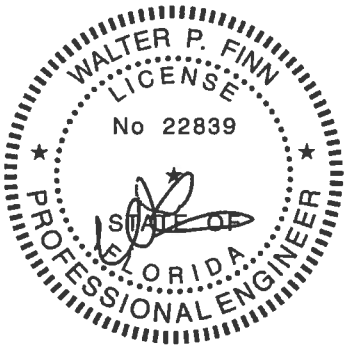
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. All bearings 7-0-0 except (jt=length) 3=Mechanical, 3=Mechanical.
(lb) - Max Horz 5=176(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 3
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 5=421(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-357/161

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 B; 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) 5, 3.
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:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540960
Bryant	J1B	Jack-Open	1	1	Job Reference (optional)	

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

8 240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:52 2019 Page 1
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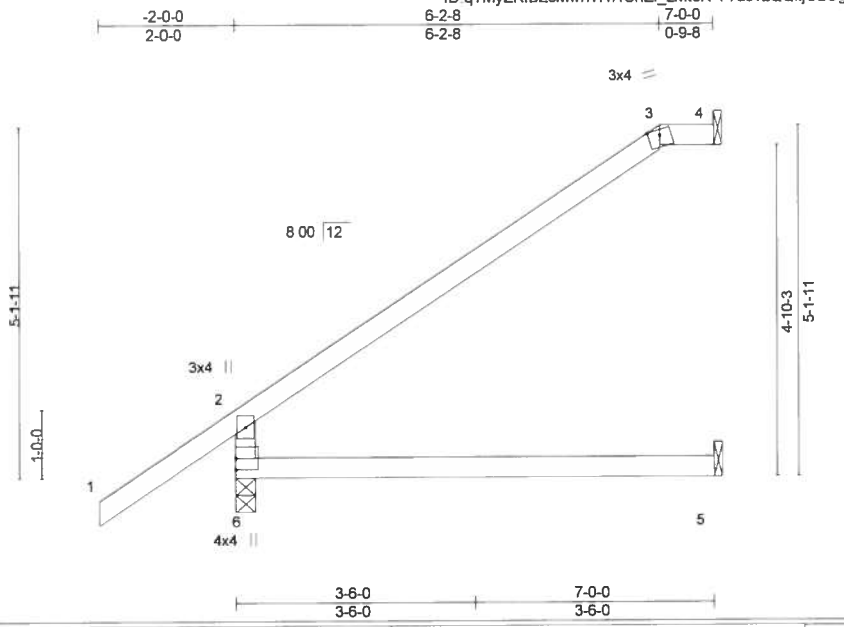

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.09	5-6	>869	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	5-6	>396	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.16	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 27 lb	FT = 0%

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. (lb/size) 6=421/0-3-8, 4=179/Mechanical, 5=73/Mechanical
Max Horz 6=165(LC 12)
Max Uplift 6=-19(LC 12), 4=-59(LC 12)
Max Grav 6=421(LC 1), 4=179(LC 1), 5=125(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-358/175

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 B; 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) 6, 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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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540961
Bryant	J1C	Roof Special	3	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:53 2019 Page 1
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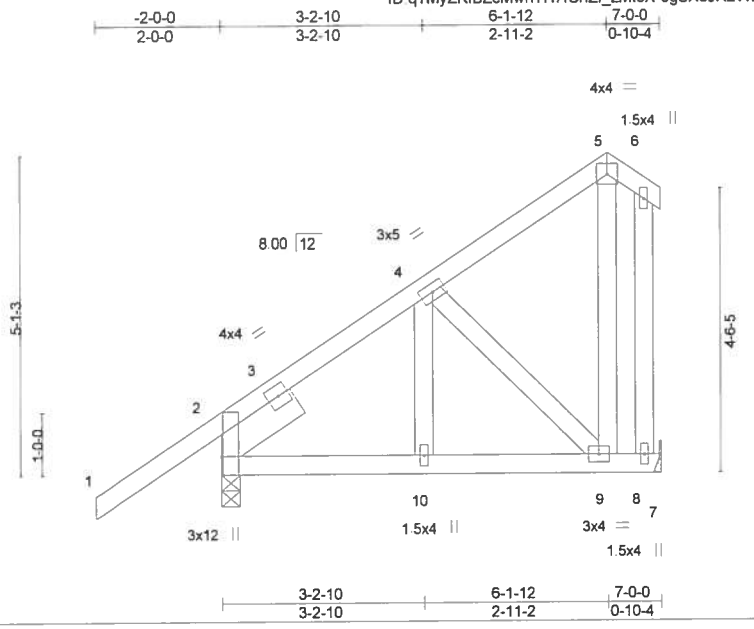


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

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	0.26	Vert(LL)	-0.02	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.04	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 53 lb	FT = 0%

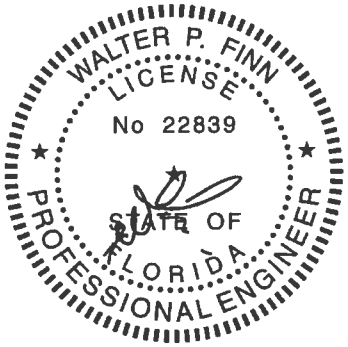
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 2=407/0-3-8, 8=257/Mechanical
Max Horz 2=151(LC 11)
Max Uplift 2=-51(LC 12), 8=-15(LC 9)
Max Grav 2=407(LC 1), 8=264(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-10=-171/284, 9-10=-171/284
WEBS 4-9=-311/164

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 B; 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) 2, 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.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540962
Bryant	J2	Jack-Open	5	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:54 2019 Page 1
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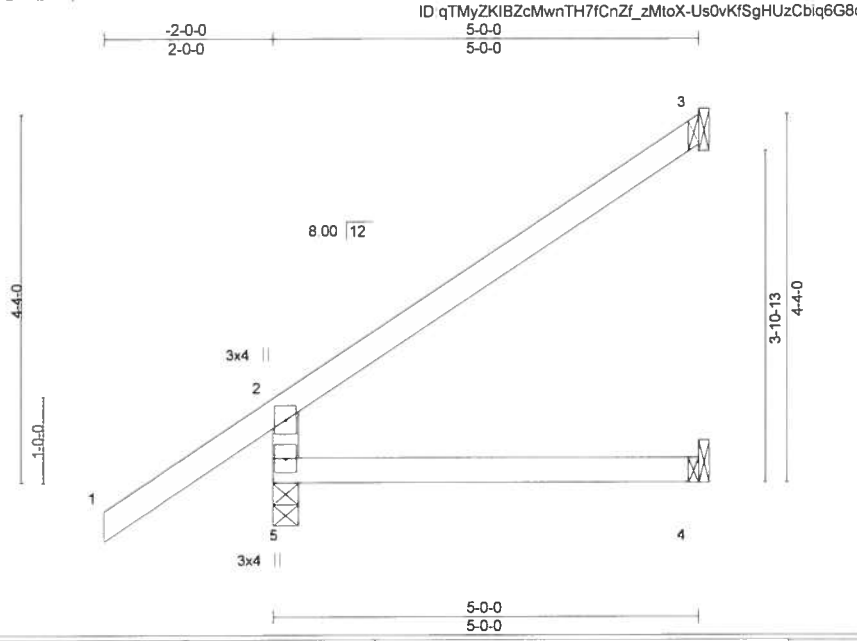

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 21 lb	FT = 0%

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. (lb/size) 5=349/0-3-8, 3=117/Mechanical, 4=46/Mechanical
Max Horz 5=144(LC 12)
Max Uplift 5=-25(LC 12), 3=-45(LC 12)
Max Grav 5=349(LC 1), 3=123(LC 17), 4=87(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-299/155

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 B; 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) 5, 3.
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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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540963
Bryant	J2L	Jack-Open	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:54 2019 Page 1
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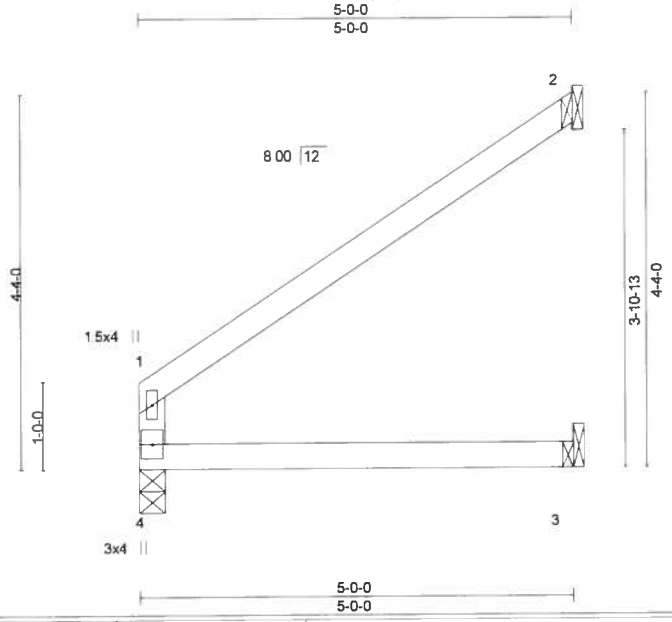


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.03	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 17 lb	FT = 0%

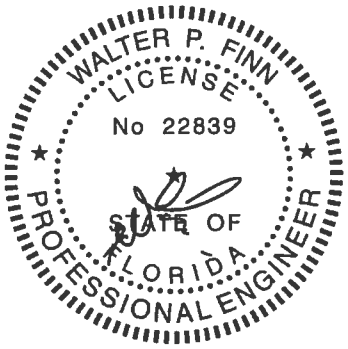
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 4=192/0-3-8, 2=134/Mechanical, 3=57/Mechanical
Max Horz 4=92(LC 12)
Max Uplift 2=-53(LC 12)
Max Grav 4=192(LC 1), 2=139(LC 17), 3=91(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 B; 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) 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.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540964
Bryant	J3	Jack-Open	5	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:55 2019 Page 1
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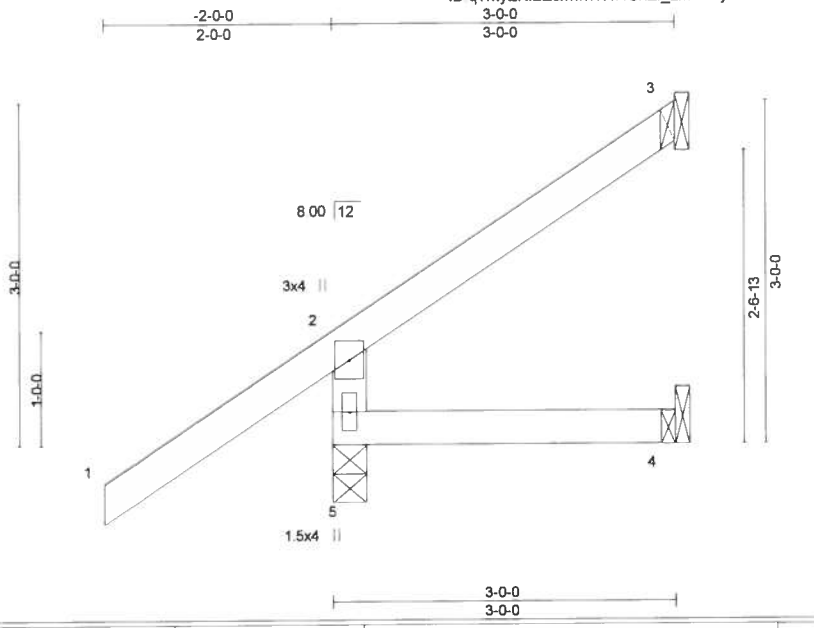


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 15 lb	FT = 0%

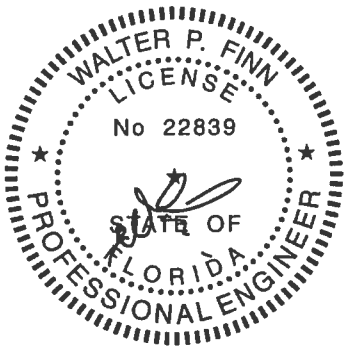
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 5=290/0-3-8, 3=48/Mechanical, 4=14/Mechanical
Max Horz 5=112(LC 12)
Max Uplift 5=-43(LC 12), 3=-20(LC 12)
Max Grav 5=290(LC 1), 3=54(LC 17), 4=47(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 B; 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) 5, 3.



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November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540965
Bryant	J3L	Jack-Open	1	1	Job Reference (optional)	

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

8 240 s Jul 14 2019 MiTek Industries, Inc Thu Oct 31 19 07 56 2019 Page 1
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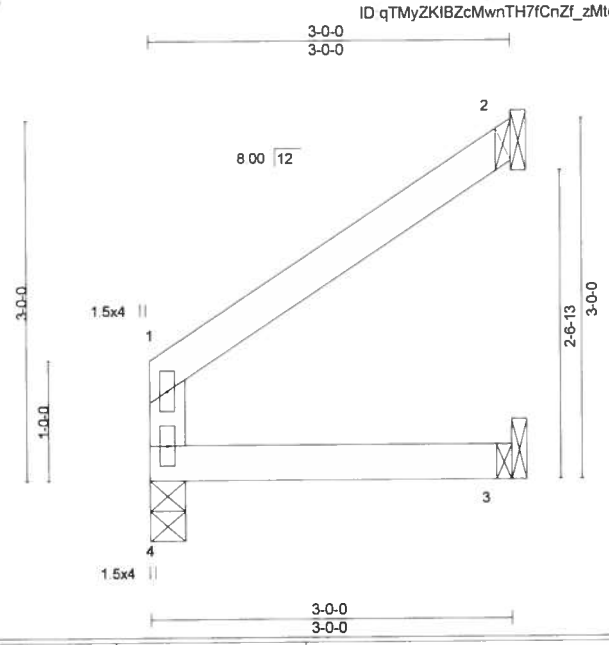


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.01	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 11 lb	FT = 0%

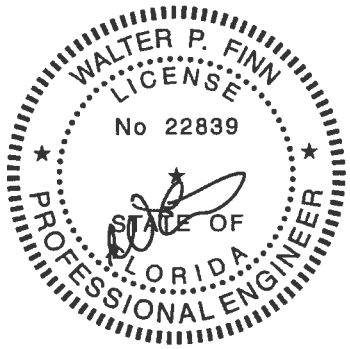
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 4=112/0-3-8, 2=78/Mechanical, 3=34/Mechanical
Max Horz 4=60(LC 12)
Max Uplift 2=-34(LC 12)
Max Grav 4=112(LC 1), 2=81(LC 17), 3=54(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 B; 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) 2.



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Date:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540966
Bryant	J4	Jack-Open	6	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:56 2019 Page 1
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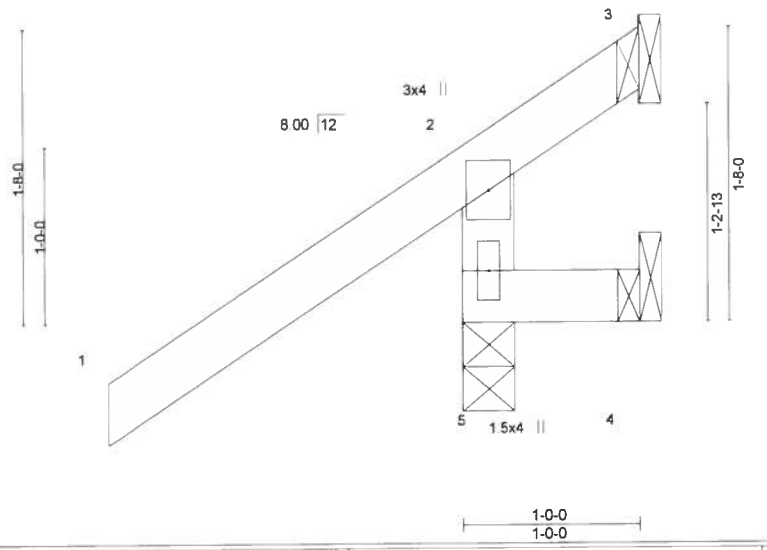
Scale = 1:12.3



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	0.31	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 8 lb	FT = 0%

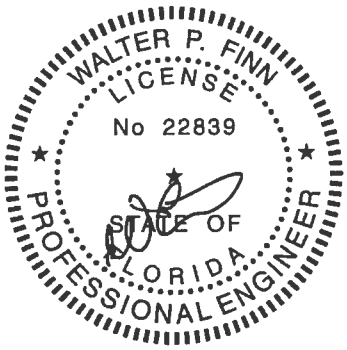
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 5=327/0-3-8, 3=-98/Mechanical, 4=-32/Mechanical
Max Horz 5=81(LC 12)
Max Uplift 5=-93(LC 12), 3=-98(LC 1), 4=-32(LC 1)
Max Grav 5=327(LC 1), 3=44(LC 12), 4=3(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-278/226

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 B; 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) 5, 3, 4.



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Date:
November 1,2019

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540967
Bryant	M1	Jack-Closed	4	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:57 2019 Page 1
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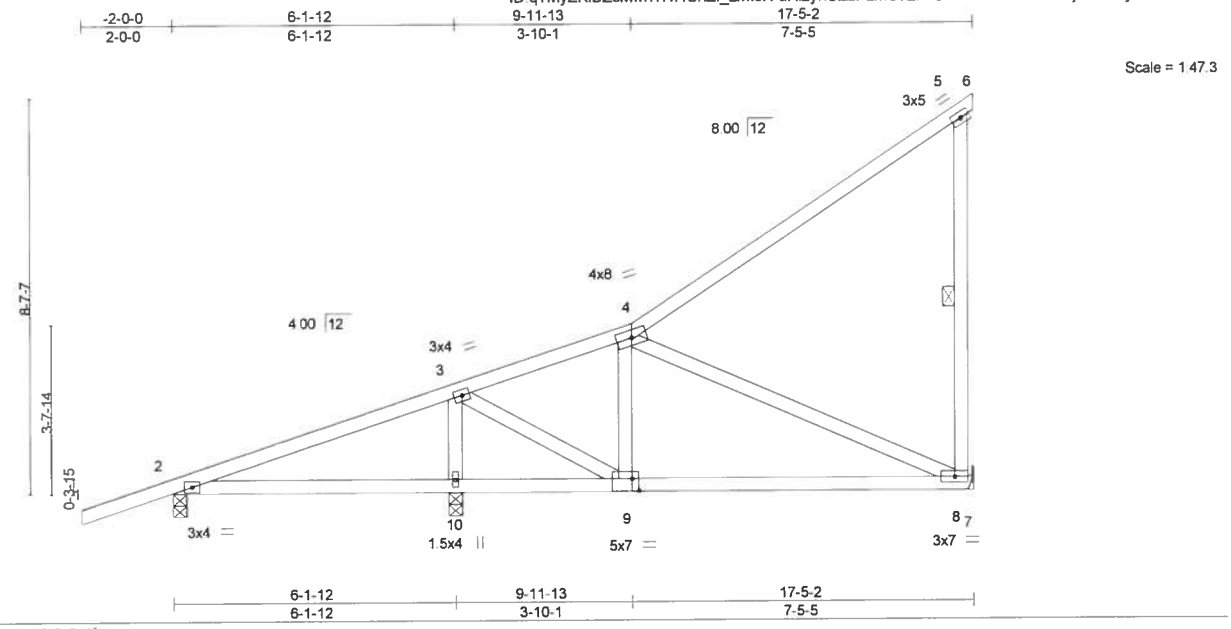


Plate Offsets (X,Y)-- [9:0-1-12,0-3-4]

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	0.50	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.15	8-9	>880	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 95 lb	FT = 0%

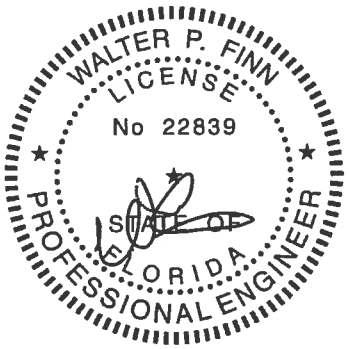
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 2=346/0-3-8, 10=729/0-3-8, 8=429/Mechanical
Max Horz 2=254(LC 11)
Max Uplift 2=-54(LC 12), 8=-29(LC 9)
Max Grav 2=346(LC 1), 10=729(LC 1), 8=440(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-279/274, 3-4=-441/110, 5-8=-271/185
BOT CHORD 8-9=-169/387
WEBS 3-10=-604/185, 3-9=-52/408, 4-8=-372/170

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 B; 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) 2, 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
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540968
Bryant	PB01	Piggyback	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:58 2019 Page 1
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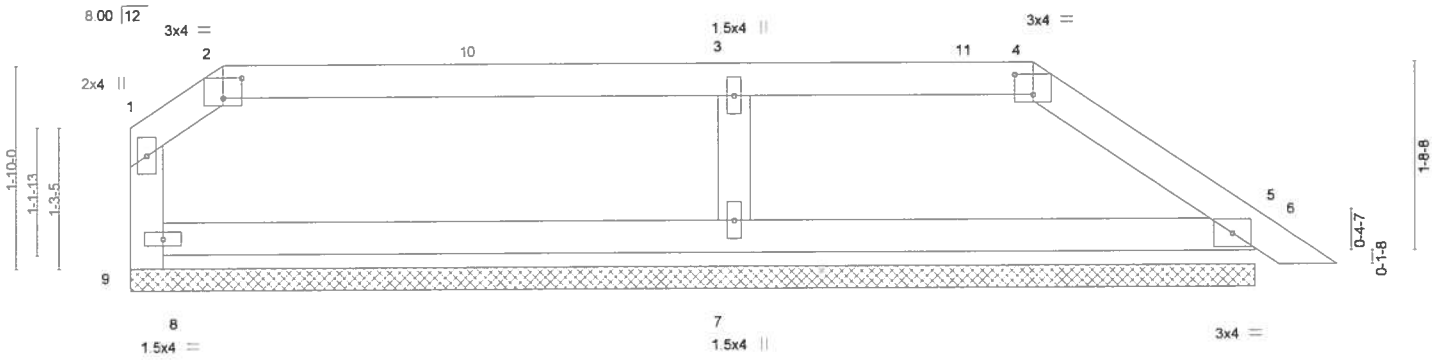
0-10-0 | 7-4-0 | 2-9-0

Scale = 1:19.7



10-11-0
10-11-0

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

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	0.23	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 lb	FT = 0%

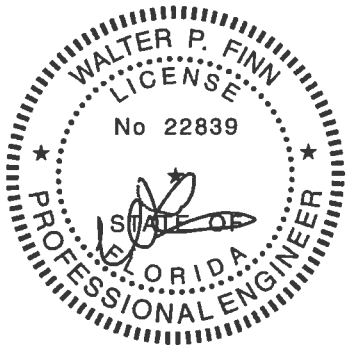
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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.

REACTIONS. (lb/size) 9=0/10-2-1, 8=211/10-2-1, 5=217/10-2-1, 7=403/10-2-1
Max Horz 9=-46(LC 10)
Max Uplift 8=-5(LC 12), 5=-17(LC 12), 7=-2(LC 8)
Max Grav 8=211(LC 1), 5=217(LC 1), 7=404(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-289/188

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 B; 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 9, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 5, 7.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 7.
10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

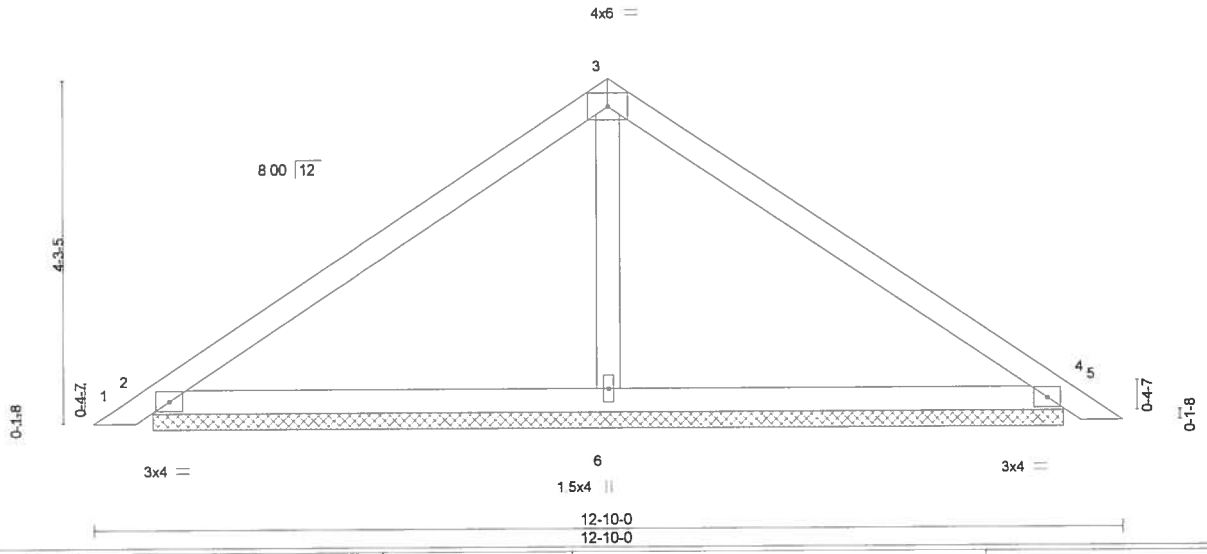
Job	Truss	Truss Type	Qty	Ply	Bryant	T18540969
Bryant	PB02	Piggyback	8	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:07:59 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-qpqoNMVp51bUhTi33hCCqWs9dvxzyRyZB5gHFvyNooU

6-5-0 | 12-10-0
6-5-0 | 6-5-0

Scale = 1:27.1



12-10-0
12-10-0

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	0.41	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	0.03	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 45 lb	FT = 0%

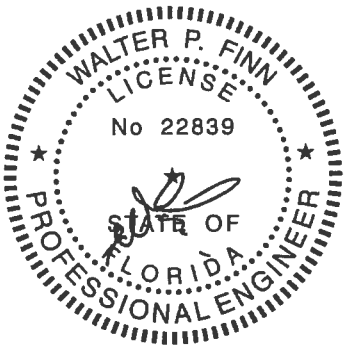
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. (lb/size) 2=250/11-4-2, 4=250/11-4-2, 6=464/11-4-2
Max Horz 2=76(LC 11)
Max Uplift 2=-28(LC 12), 4=-28(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-289/92

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 B; 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 2, 4.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek
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Tampa, FL 36610

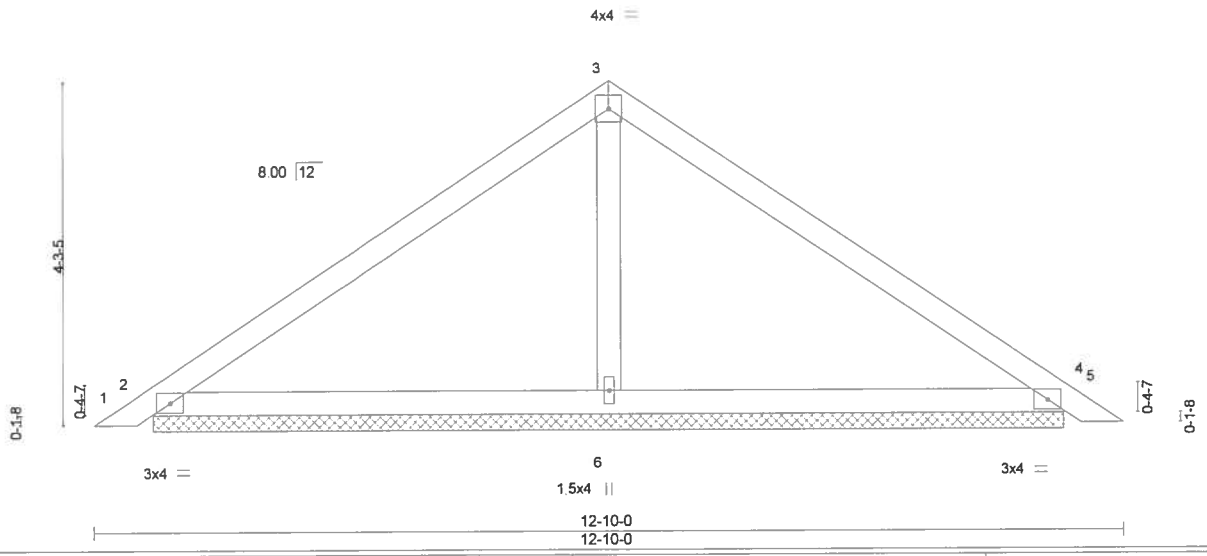
Job	Truss	Truss Type	Qty	Ply	Bryant	T18540970
Bryant	PB03	PIGGYBACK	2	3	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:08:00 2019 Page 1
ID:qTMyZKIBZcMwnTH7fCnZf_zMtoX-J0NBaiWRsKjLJdHGdOjRMkPOfJJXhvCiQIPqnLyNooT

6-5-0 / 6-5-0 — 12-10-0 / 6-5-0

Scale = 1:27.1



12-10-0 / 12-10-0

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	0.14	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 135 lb	FT = 0%

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. (lb/size) 2=250/11-4-2, 4=250/11-4-2, 6=464/11-4-2
Max Horz 2=76(LC 11)
Max Uplift 2=-28(LC 12), 4=-28(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-289/92

NOTES-
1) 3-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: 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 B; 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
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540971
Bryant	PB04	Piggyback	1	3	Job Reference (optional)	

Mayo Truss Company, Inc. Mayo, FL - 32066

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:08:00 2019 Page 1
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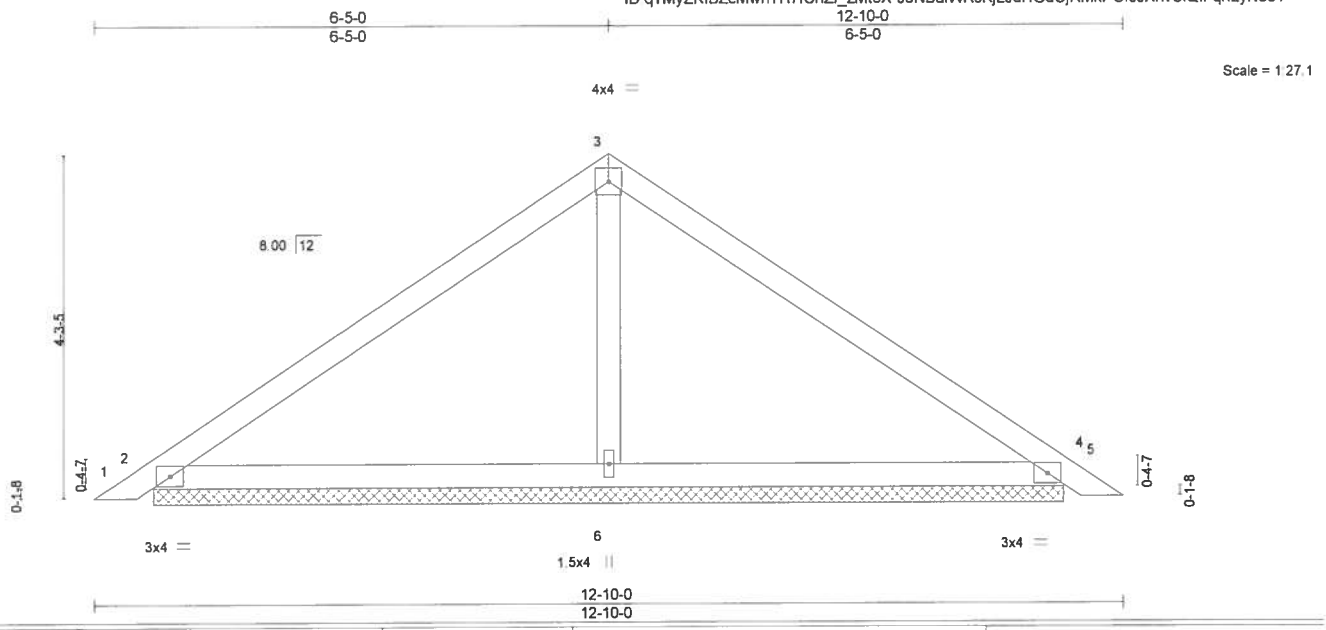


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 135 lb	FT = 0%

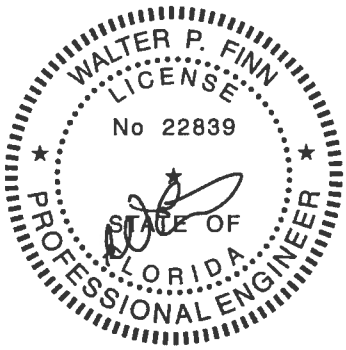
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. (lb/size) 2=250/11-4-2, 4=250/11-4-2, 6=464/11-4-2
Max Horz 2=76(LC 11)
Max Uplift 2=-28(LC 12), 4=-28(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-289/92

NOTES-
1) 3-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: 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 B; 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
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540972
Bryant	PB05	Piggyback	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:08:01 2019 Page 1
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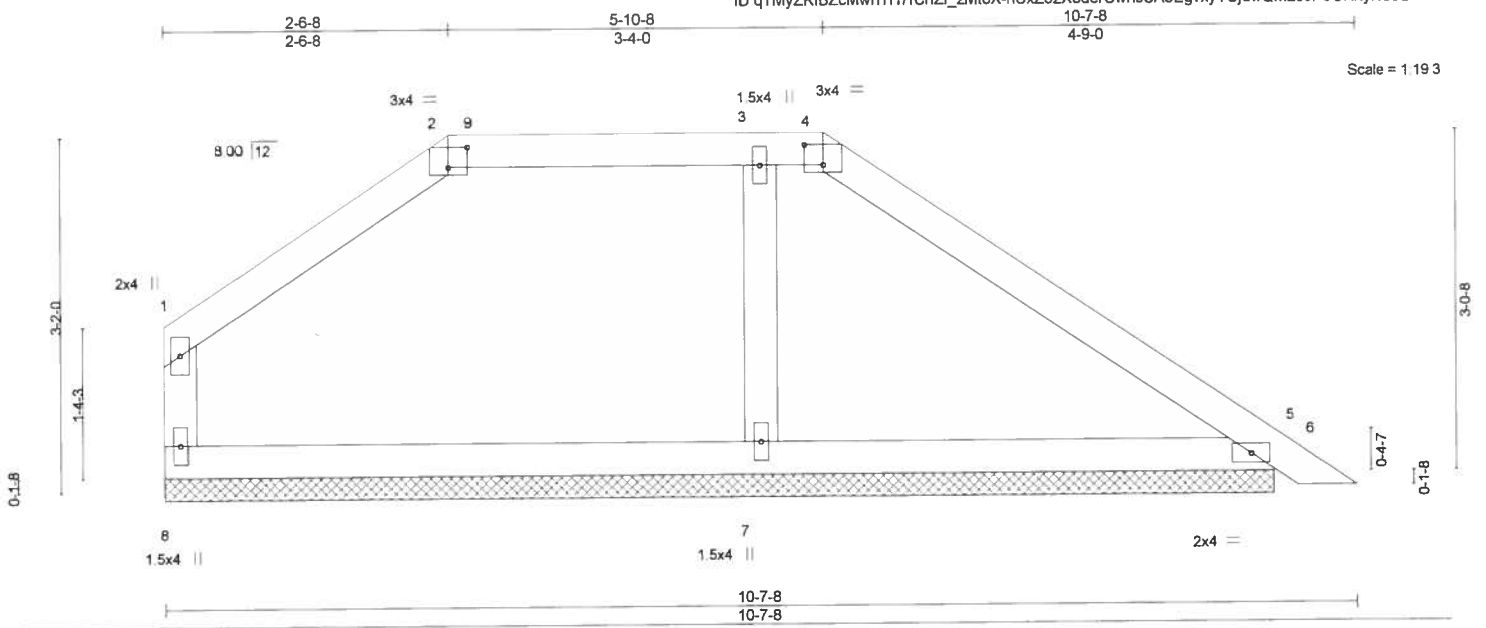


Plate Offsets (X,Y)-- [2:0-2-0,0-2-3], [4:0-2-0,0-2-3]

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	0.20	Vert(LL)	0.01	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	0.01	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 38 lb	FT = 0%

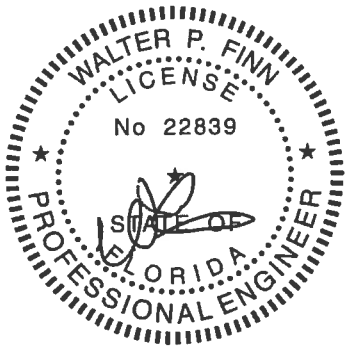
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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.

REACTIONS. (lb/size) 8=233/9-10-9, 5=243/9-10-9, 7=332/9-10-9
Max Horz 8=-67(LC 10)
Max Uplift 8=-11(LC 12), 5=-25(LC 12)
Max Grav 8=250(LC 21), 5=243(LC 1), 7=354(LC 22)

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=4ft; Cat. II; Exp B; 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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 5.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540973
Bryant	PB06	Piggyback	1	1	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:08:02 2019 Page 1
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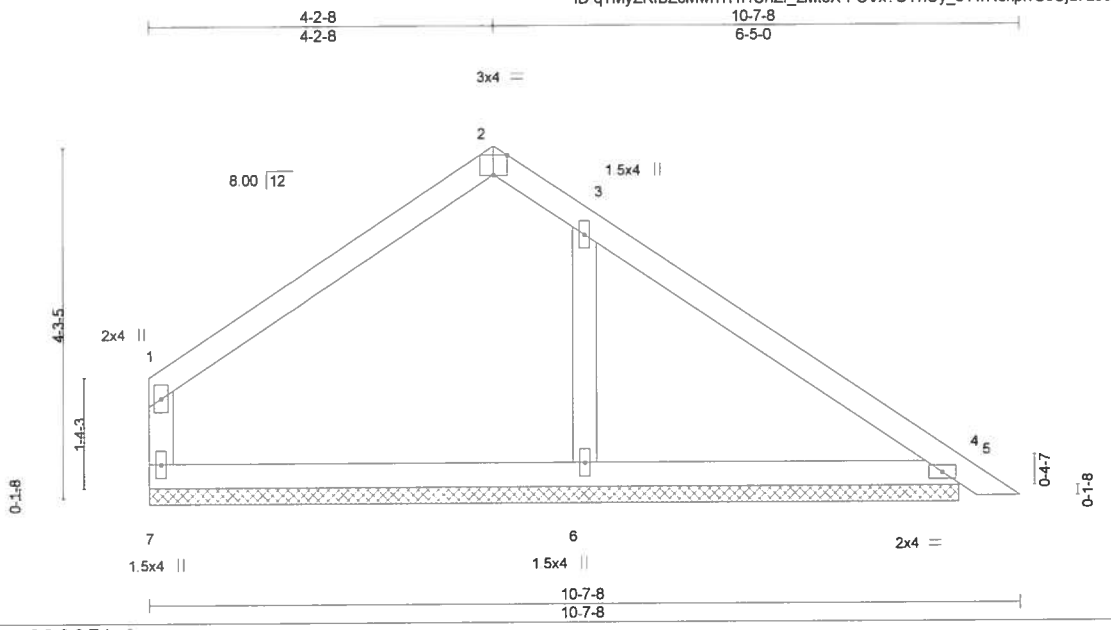

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 40 lb	FT = 0%

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

REACTIONS. (lb/size) 7=211/9-10-9, 4=218/9-10-9, 6=378/9-10-9
Max Horz 7=-87(LC 10)
Max Uplift 7=-2(LC 12), 4=-14(LC 12)
Max Grav 7=230(LC 21), 4=218(LC 1), 6=392(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-265/139

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 B; 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) 7, 4.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4.

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November 1,2019

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bryant	T18540974
Bryant	PB07	Piggyback	1	3	Job Reference (optional)	

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Oct 31 19:08:03 2019 Page 1
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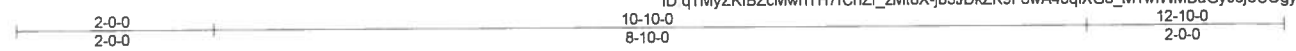

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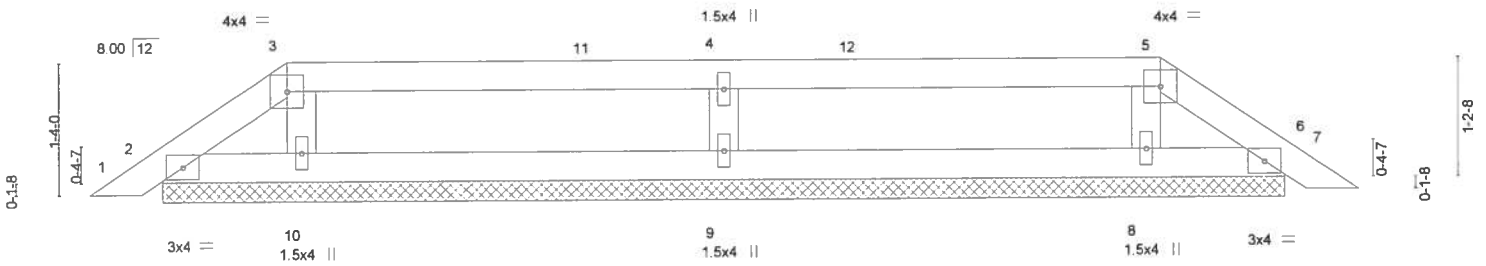

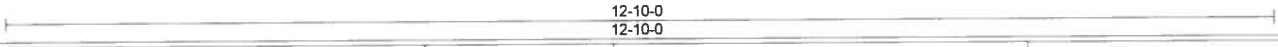

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 120 lb	FT = 0%

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. All bearings 11-4-2.
(lb) - Max Horz 2=-22(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8 except 9=398(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-307/181

NOTES-
1) 3-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: 2x4 - 1 row 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 B; 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
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
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, 6, 9.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 1,2019

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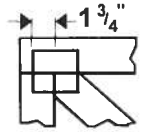
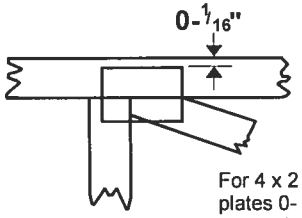
Tampa, FL 33610

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

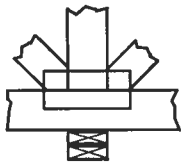
4 x 4

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

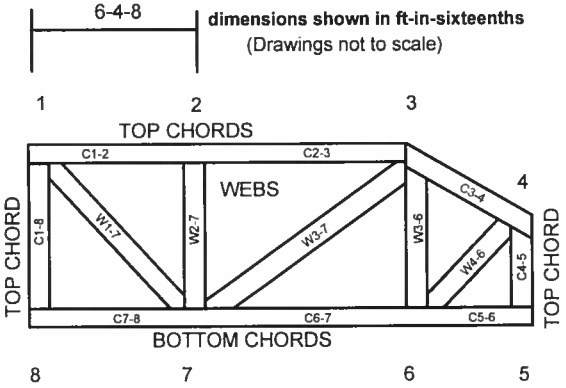


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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MiTek®

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.

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 555.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building componets listed below if they will be utilized on the construction project for which you are applying for a building permit.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING Single Door	Plast Pro	Single Exterior Fiberglass	FI 15213.14
B. SWINGING Double Door	Plast Pro	Double Exterior Fiberglass	FI 15213.17
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	YKK	Windows	FI 8114 Rev 3
L. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Lap Siding	7103
B. SOFFITS	ACM	Aluminum-Vented	12010-R5
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Certainteed	30 year Architectual	FI 250
B. UNDERLAYMENTS	Kohler Company	Synthic Underlayment	177447
C. ROOFING FASTENERS	Senco	Nails	FI 2271
METAL ROOFING			
5. SHUTTERS			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL			
A. WOOD CONNECTORS/	Simpson	Truss to Wall Connector	17236
ANCHORS			
B. TRUSS PLATES	Mitek	Truss Plates	MT2020
F. CONCRETE			
M. OTHER			
8. NEW EXTERIOR			
ENVELOPE PRODUCTS			

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for
FILE COPY
Code Compliance
PLANS EXAMINER

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Mark Sen 11-1-19

APPLICANT SIGNATURE DATE

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

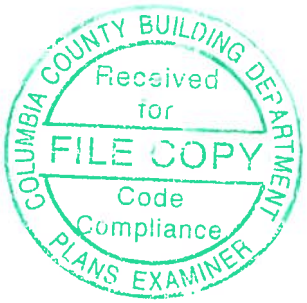
Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*



FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	BB-Bryant	Builder Name:	B&B Homes - Max Bass
Street:		Permit Office:	
City, State, Zip:	, FL ,	Permit Number:	
Owner:	Fonsa & Tawanna Bryant	Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	6
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	3308
Conditioned floor area below grade (ft²)	0

7. Windows(319.5 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.30	319.50 ft²
SHGC:	SHGC=0.25	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		3.653 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (3308.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2671.00 ft²
b. Floor Over Other Space	R=0.0	637.00 ft²
c. N/A	R=	ft²

9. Wall Types (2200.8 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2200.80 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2671.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	2671.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: First Floor	6	330.8

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	78.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	78.0	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 40 gallons EF: 0.950
b. Conservation features None	
15. Credits	CF

Glass/Floor Area: 0.097

Total Proposed Modified Loads: 74.29

Total Baseline Loads: 75.85

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 10-25-19

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: Max L Bass

DATE: 11-1-19

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.**
- **Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).**

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	BB-Bryant	Bedrooms:	6	Address Type:	Street Address
Building Type:	User	Conditioned Area:	3308	Lot #	
Owner Name:	Fonsa & Tawanna Bryant	Total Stories:	2	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	B&B Homes - Max Bass	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	3308	30470.5

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	First Floor	2671	25374.5	Yes	4	4	1	Yes	Yes	Yes
2	Second Floor	637	5096	No	0	2	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	First Floor	276 ft	0	2671 ft²	----	0.25	0.5	0.25
____	2	Floor Over Other Space	Second Floor	----	----	637 ft²	0	0	0.5	0.5

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
____	1	Gable or shed	Metal	829 ft²	266 ft²	Light	0.96	No	0.9	No	0	39.8

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	637 ft²	N	N

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	First Floor	38	Blown	2671 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
____	1	N	Exterior	Frame - Wood	First Floor	13	23	0	9	6	218.5 ft²	1	0.23	0.75	0
____	2	N	Exterior	Frame - Wood	First Floor	13	40		9	6	380.0 ft²	1	0.23	0.75	0
____	3	E	Exterior	Frame - Wood	First Floor	13	52	8	9	6	500.3 ft²	1	0.23	0.75	0
____	4	S	Exterior	Frame - Wood	First Floor	13	34		9	6	323.0 ft²	1	0.23	0.75	0
____	5	S	Exterior	Frame - Wood	First Floor	13	29	4	9	6	278.7 ft²	1	0.23	0.75	0
____	6	W	Exterior	Frame - Wood	First Floor	13	52	8	9	6	500.3 ft²	1	0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
____	1	N	Insulated	First Floor	None	.46	5		6	8	33.3 ft²
____	2	S	Insulated	First Floor	None	.46	5		6	8	33.3 ft²
____	3	W	Insulated	First Floor	None	.46	3		6	8	20 ft²
____	4	W	Insulated	First Floor	None	.46	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	1	Metal	Double (Tinted)	Yes	0.3	0.25	N	49.5 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
____	2	N	1	Metal	Double (Tinted)	Yes	0.3	0.25	N	4.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
____	3	N	2	Metal	Double (Tinted)	Yes	0.3	0.25	N	33.0 ft²	11 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	4	E	3	Metal	Double (Tinted)	Yes	0.3	0.25	N	33.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
____	5	E	3	Metal	Double (Tinted)	Yes	0.3	0.25	N	4.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
____	6	S	4	Metal	Double (Tinted)	Yes	0.3	0.25	N	55.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
____	7	S	5	Metal	Double (Tinted)	Yes	0.3	0.25	N	55.0 ft²	6 ft 0 in	2 ft 0 in	Drapes/blinds	None
____	8	W	6	Metal	Double (Tinted)	Yes	0.3	0.25	N	33.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
____	9	W	6	Metal	Double (Tinted)	Yes	0.3	0.25	N	16.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
____	10	W	6	Metal	Double (Tinted)	Yes	0.3	0.25	N	7.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
____	11	N	1	Metal	Double (Tinted)	Yes	0.3	0.25	N	30.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.00041	3554.9	195.16	367.02	.4021	7

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	Split	HSPF:8.2	78 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	Split	SEER: 14	78 kBtu/hr	2340 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	First Floor	0.95	40 gal	90 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	330.8 ft	Attic	82.7 ft²	Default Leakage	First Floor	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	First Floor
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Second Floor

Name:

Signature:

Rating Compant:

Date: 10-25-17

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 98

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. New (From Plans)
2. Single-family or multiple-family	2. Single-family
3. No. of units (if multiple-family)	3. 1
4. Number of bedrooms	4. 6
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 3308
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.300
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.250
c) Area	7c. 319.5
8. Skylights	
a) U-factor:(weighted average)	8a. NA
b) Solar Heat Gain Coefficient (SHGC)	8b. NA
9. Floor type, insulation level:	
a) Slab-on-grade (R-value)	9a. 0.0
b) Wood, raised (R-value)	9b.
c) Concrete, raised (R-value)	9c.
10. Wall type and insulation:	
A. Exterior:	
1. Wood frame (Insulation R-value)	10A1. 13.0
2. Masonry (Insulation R-value)	10A2.
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1.
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 38.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c.
d) Radiant barrier installed	11d. No
12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Attic/Attic
13. Cooling system:	Capacity 78.0
a) Split system	SEER 14.0
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	
14. Heating system:	Capacity 78.0
a) Split system heat pump	HSPF 8.2
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	
15. Water heating system	
a) Electric resistance	EF 0.95
b) Gas fired, natural gas	EF
c) Gas fired, LPG	EF
d) Solar system with tank	EF
e) Dedicated heat pump with tank	EF
f) Heat recovery unit	HeatRec%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	Yes
b) Cross ventilation	No
c) Whole house fan	No
d) Multizone cooling credit	
e) Multizone heating credit	
f) Programmable thermostat	No

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: Max Barn Date: 11-1-19

Address of New Home: TBD Bickley Rd City/FL Zip: Lake City FL 32024

Florida Building Code, Energy Conservation, 6th Edition (2017)
Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS: , FL ,	Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.

✓

SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/ WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY [a] (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min. a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory). Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

				CHECK
Project Name:	BB-Bryant	Builder Name:	B&B Homes - Max Bass	
Street:		Permit Office:		
City, State, Zip:	, FL ,	Permit Number:		
Owner:	Fonsa & Tawanna Bryant	Jurisdiction:		
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Residential System Sizing Calculation

Summary

Fonsa & Tawanna Bryant

, FL

Project Title:
BB-Bryant

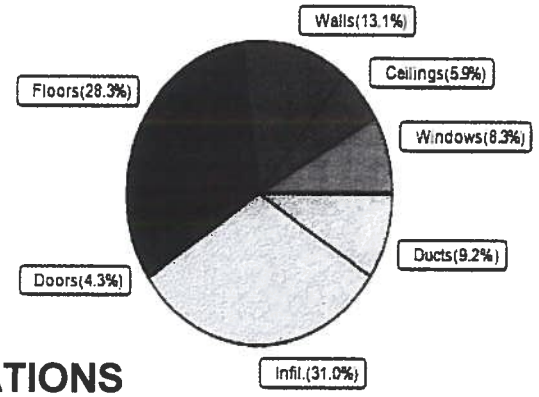
10/23/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	**46090**	**Btuh**	**Total cooling load calculation**	**36390**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	169.2	78000	Sensible (SHR = 0.75)	247.2	58500
Heat Pump + Auxiliary(0.0kW)	169.2	78000	Latent	153.2	19500
			Total (Electric Heat Pump)	214.3	78000

WINTER CALCULATIONS

Winter Heating Load (for 3308 sqft)

Load component			Load	
Window total	320	sqft	3834	Btuh
Wall total	1775	sqft	6023	Btuh
Door total	107	sqft	1963	Btuh
Ceiling total	2671	sqft	2712	Btuh
Floor total	See detail report		13027	Btuh
Infiltration	327	cfm	14309	Btuh
Duct loss			4222	Btuh
Subtotal			**46090**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**46090**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3308 sqft)

Load component			Load	
Window total	320	sqft	3993	Btuh
Wall total	1775	sqft	3840	Btuh
Door total	107	sqft	1472	Btuh
Ceiling total	2671	sqft	2983	Btuh
Floor total			0	Btuh
Infiltration	245	cfm	5098	Btuh
Internal gain			2120	Btuh
Duct gain			4156	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**23660**	**Btuh**
Latent gain(ducts)			1071	Btuh
Latent gain(infiltration)			8459	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			3200	Btuh
Total latent gain			**12729**	**Btuh**
TOTAL HEAT GAIN			**36390**	**Btuh**

COLUMBIA COUNTY BUILDING
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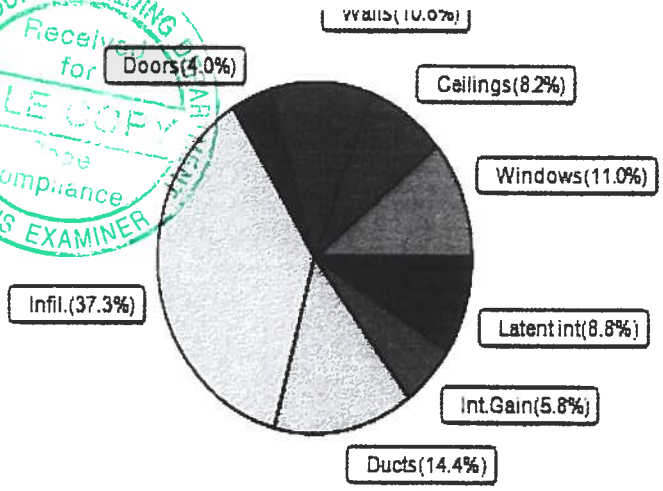

8th Edition

EnergyGauge® System Sizing
PREPARED BY:
DATE: 10-23-19

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Fonsa & Tawanna Bryant
, FL

Project Title:
BB-Bryant
Building Type: User

10/23/2019

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.25	Metal	0.30	N	49.5	12.0	594 Btuh
2	2, NFRC 0.25	Metal	0.30	N	4.0	12.0	48 Btuh
3	2, NFRC 0.25	Metal	0.30	N	33.0	12.0	396 Btuh
4	2, NFRC 0.25	Metal	0.30	E	33.0	12.0	396 Btuh
5	2, NFRC 0.25	Metal	0.30	E	4.0	12.0	48 Btuh
6	2, NFRC 0.25	Metal	0.30	S	55.0	12.0	660 Btuh
7	2, NFRC 0.25	Metal	0.30	S	55.0	12.0	660 Btuh
8	2, NFRC 0.25	Metal	0.30	W	33.0	12.0	396 Btuh
9	2, NFRC 0.25	Metal	0.30	W	16.0	12.0	192 Btuh
10	2, NFRC 0.25	Metal	0.30	W	7.0	12.0	84 Btuh
11	2, NFRC 0.25	Metal	0.30	N	30.0	12.0	360 Btuh
	Window Total				319.5(sqft)		3834 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.085)	13.0/1.0	135	3.39	458 Btuh
2	Frame - Wood	- Ext	(0.085)	13.0/1.0	314	3.39	1065 Btuh
3	Frame - Wood	- Ext	(0.085)	13.0/1.0	463	3.39	1573 Btuh
4	Frame - Wood	- Ext	(0.085)	13.0/1.0	268	3.39	910 Btuh
5	Frame - Wood	- Ext	(0.085)	13.0/1.0	190	3.39	646 Btuh
6	Frame - Wood	- Ext	(0.085)	13.0/1.0	404	3.39	1372 Btuh
	Wall Total				1775(sqft)		6023 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.460)	33	18.4	613 Btuh
2	Insulated - Exterior,	n	(0.460)	33	18.4	613 Btuh
3	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
4	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
	Door Total			107(sqft)		1963Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Metal	(0.025)	38.0/0.0	2671	1.0	2712 Btuh
	Ceiling Total			2671(sqft)		2712Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	276.0 ft(perim.)	47.2	13027 Btuh
2	Interior	(1.180)	0.0	637.0 sqft	0.0	0 Btuh
	Floor Total			3308 sqft		13027 Btuh

	Envelope Subtotal:	27559 Btuh

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.64	30471	1.00	326.8	14309 Btuh

Duct load			
	Average sealed, R6.0, Supply(Att), Return(Att)	(DLM of 0.101)	4222 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Fonsa & Tawanna Bryant
, FL

Project Title:
BB-Bryant
Building Type: User

10/23/2019

All Zones	**Sensible Subtotal All Zones**	**46090 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	46090 Btuh 0 Btuh 46090 Btuh

EQUIPMENT

1. Electric Heat Pump	#	78000 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Fonsa & Tawanna Bryant

Project Title:
BB-Bryant

, FL

10/23/2019

Reference City: Gainesville, FL Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.25, 0.30	B-L	No	N	2.0ft	2.0ft	49.5	0.0	49.5	8	8	404	Btuh
2	2 NFRC	0.25, 0.30	B-L	No	N	2.0ft	2.0ft	4.0	0.0	4.0	8	8	33	Btuh
3	2 NFRC	0.25, 0.30	B-L	No	N	11.3f	2.0ft	33.0	0.0	33.0	8	8	269	Btuh
4	2 NFRC	0.25, 0.30	B-L	No	E	2.0ft	6.0ft	33.0	0.0	33.0	8	21	708	Btuh
5	2 NFRC	0.25, 0.30	B-L	No	E	2.0ft	2.0ft	4.0	0.0	4.0	8	21	86	Btuh
6	2 NFRC	0.25, 0.30	B-L	No	S	2.0ft	2.0ft	55.0	55.0	0.0	8	10	449	Btuh
7	2 NFRC	0.25, 0.30	B-L	No	S	6.0ft	2.0ft	55.0	55.0	0.0	8	10	449	Btuh
8	2 NFRC	0.25, 0.30	B-L	No	W	2.0ft	6.0ft	33.0	0.0	33.0	8	21	708	Btuh
9	2 NFRC	0.25, 0.30	B-L	No	W	2.0ft	6.0ft	16.0	0.0	16.0	8	21	343	Btuh
10	2 NFRC	0.25, 0.30	B-L	No	W	2.0ft	6.0ft	7.0	0.0	7.0	8	21	150	Btuh
11	2 NFRC	0.25, 0.30	B-L	No	N	2.0ft	2.0ft	30.0	0.0	30.0	8	8	245	Btuh
	Excursion												150	Btuh
	Window Total							320 (sqft)					3993	Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.08	13.0/1.0	135.0	2.2	292 Btuh
2	Frame - Wood - Ext	0.08	13.0/1.0	313.7	2.2	679 Btuh
3	Frame - Wood - Ext	0.08	13.0/1.0	463.3	2.2	1002 Btuh
4	Frame - Wood - Ext	0.08	13.0/1.0	268.0	2.2	580 Btuh
5	Frame - Wood - Ext	0.08	13.0/1.0	190.3	2.2	412 Btuh
6	Frame - Wood - Ext	0.08	13.0/1.0	404.3	2.2	875 Btuh
	Wall Total			1775 (sqft)		3840 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	33.3	13.8	460 Btuh
2	Insulated - Exterior	33.3	13.8	460 Btuh
3	Insulated - Exterior	20.0	13.8	276 Btuh
4	Insulated - Exterior	20.0	13.8	276 Btuh
	Door Total	107 (sqft)		1472 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Metal	0.025	38.0/0.0	2671.0	1.12	2983 Btuh
	Ceiling Total			2671 (sqft)		2983 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	2671 (ft-perimeter)	0.0	0 Btuh
2	Interior	0.0	637 (sqft)	0.0	0 Btuh
	Floor Total		3308.0 (sqft)		0 Btuh

				Envelope Subtotal:		12287 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Fonsa & Tawanna Bryant

Project Title: BB-Bryant

Climate:FL_GAINESVILLE_REGIONAL_A

, FL

10/23/2019

Infiltration	Type Natural	Average ACH 0.48	Volume(cuft) 30471	Wall Ratio 1		CFM= 245.1	Load 5098	Btuh
Internal gain		Occupants 4	Btuh/occupant X 230		+	Appliance 1200	Load 2120	Btuh
					Sensible Envelope Load:		19505	Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.213)		4156	Btuh
					Sensible Load All Zones		**23660**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Fonsa & Tawanna Bryant
, FL

Project Title: BB-Bryant

Climate:FL_GAINESVILLE_REGIONAL_A

10/23/2019

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**19505 Btuh**
	Sensible Duct Load	4156 Btuh
	Total Sensible Zone Loads	**23660 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**23660 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	8459 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1071 Btuh
	Latent occupant gain (4.0 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	2400 Btuh
	Latent total gain	**12729 Btuh**
	TOTAL GAIN	**36390 Btuh**

EQUIPMENT

1. Central Unit	#	78000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8