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

RE: Spec_House - Spec House

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

Site Information:
Customer Info: Jason Elixson Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: Fl

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

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

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: 55.0 psf

This package includes 43 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	T15560164	A1GE	11/12/18	18	T15560181	CJ04	11/12/18
2	T15560165	A2	11/12/18	19	T15560182	CJ05	11/12/18
3	T15560166	A3	11/12/18	20	T15560183	D1GIR	11/12/18
4	T15560167	A4	11/12/18	21	T15560184	D2	11/12/18
5	T15560168	A5	11/12/18	22	T15560185	E1GIR	11/12/18
6	T15560169	A6	11/12/18	23	T15560186	F01	11/12/18
7	T15560170	A7	11/12/18	24	T15560187	F02	11/12/18
8	T15560171	B1GE	11/12/18	25	T15560188	F03	11/12/18
9	T15560172	B2	11/12/18	26	T15560189	F04	11/12/18
10	T15560173	B3GIR	11/12/18	27	T15560190	F05	11/12/18
11	T15560174	C1GIR	11/12/18	28	T15560191	F06	11/12/18
12	T15560175	C2	11/12/18	29	T15560192	G1	11/12/18
13	T15560176	C3	11/12/18	30	T15560193	G2	11/12/18
14	T15560177	C4	11/12/18	31	T15560194	J1	11/12/18
15	T15560178	CJ01	11/12/18	32	T15560195	J1A	11/12/18
16	T15560179	CJ02	11/12/18	33	T15560196	J1B	11/12/18
17	T15560180	CJ03	11/12/18	34	T15560197	J1C	11/12/18

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: ORegan, Philip
My license renewal date for the state of Florida is February 28, 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. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

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

November 12,2018

RE: Spec_House - Spec House

Site Information:

Customer Info: Jason Elixson Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FI

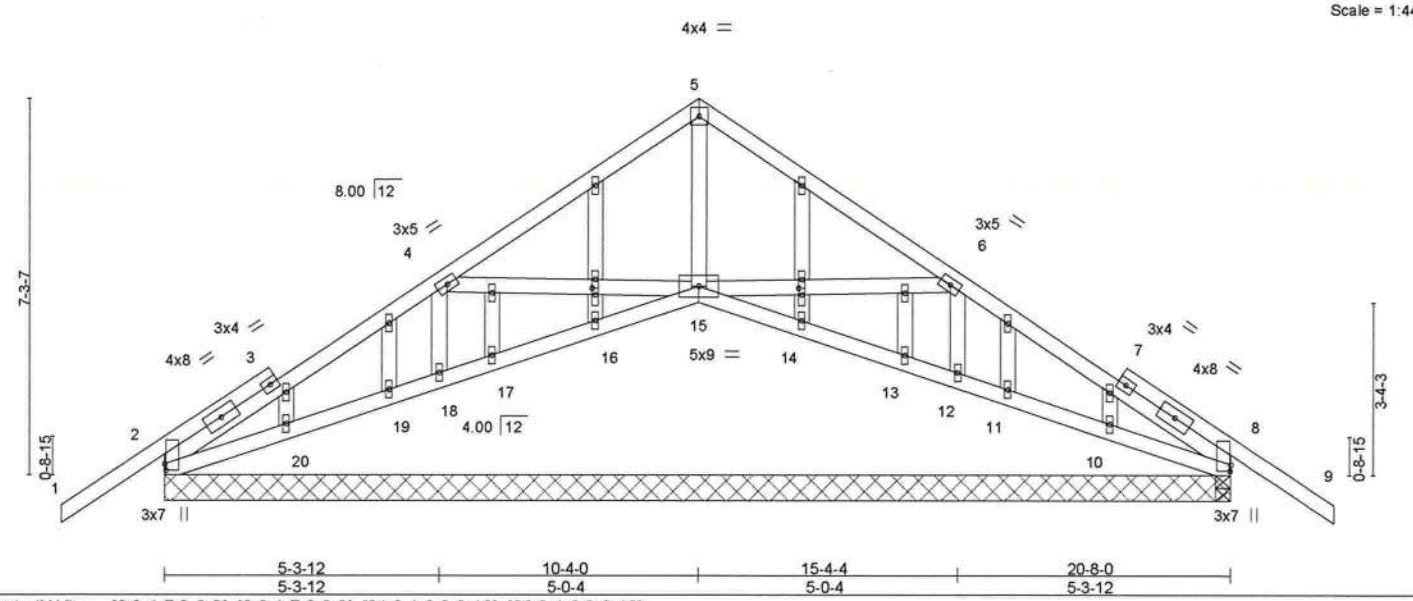
No.	Seal#	Truss Name	Date
35	T15560198	J2	11/12/18
36	T15560199	J2B	11/12/18
37	T15560200	J3	11/12/18
38	T15560201	J3B	11/12/18
39	T15560202	J4	11/12/18
40	T15560203	J4B	11/12/18
41	T15560204	M1	11/12/18
42	T15560205	M2	11/12/18
43	T15560206	M3GIR	11/12/18

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A1GE	SCISSOR STRUCTURAL	2	1	Job Reference (optional)	T15560164

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:15 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-UM8w2qQw1MeOLqAw1KYRHn21YXw_47gdfnA86DyJzOI

-2-0-0	5-3-12	10-4-0	15-4-4	20-8-0	22-8-0
2-0-0	5-3-12	5-0-4	5-0-4	5-3-12	2-0-0

Scale = 1:44.7



5-3-12	10-4-0	15-4-4	20-8-0
5-3-12	5-0-4	5-0-4	5-3-12

Plate Offsets (X,Y)-- [2:0-1-7,0-0-3], [8:0-1-7,0-0-3], [21:0-1-8,0-0-12], [26:0-1-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.00	2-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 126 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.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-8-0.
(lb) - Max Horz 2=-157(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12, 18 except 2=-150(LC 12), 8=-150(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16, 17, 19, 20, 14, 13, 11, 10 except 2=319(LC 1), 8=319(LC 1), 8=319(LC 1), 15=314(LC 1), 12=310(LC 22), 18=322(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-12=-296/119, 4-18=-307/122

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=25ft; 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) 12, 18 except (jt=lb) 2=150, 8=150.

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

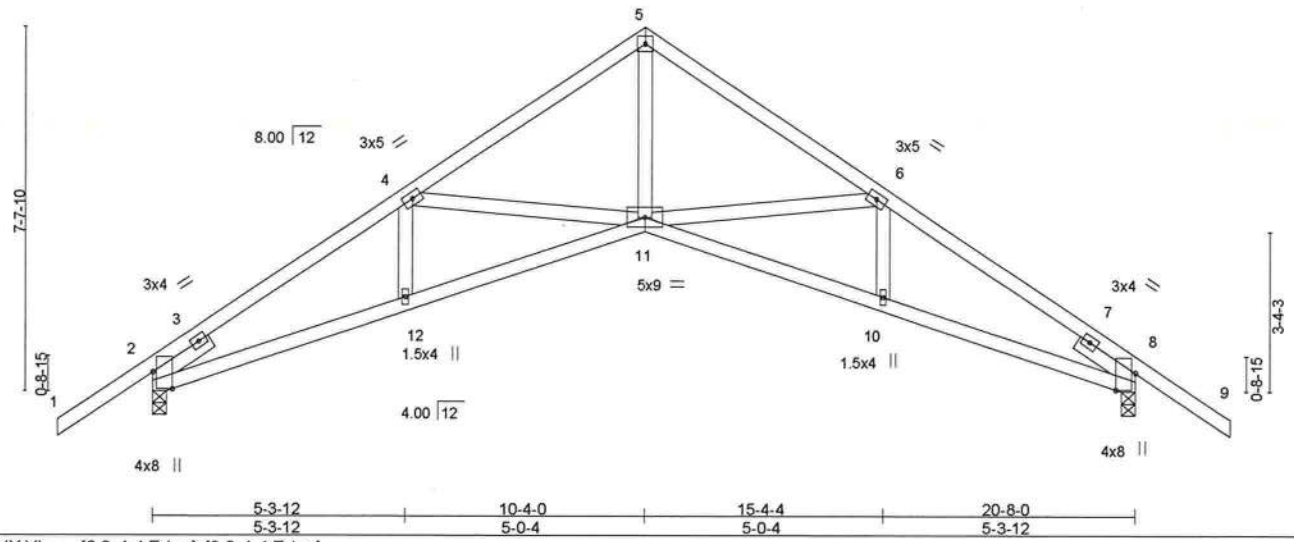
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A2	SCISSORS	6	1	Job Reference (optional)	T15560165

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:17 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-QlFhSWSBZzu5a8KI8IbwMC7HfKQIY?Rv65fEB5yJzOG

-2-0-0	5-3-12	10-4-0	15-4-4	20-8-0	22-8-0
2-0-0	5-3-12	5-0-4	5-0-4	5-3-12	2-0-0

Scale = 1:48.5



5-3-12	10-4-0	15-4-4	20-8-0
5-3-12	5-0-4	5-0-4	5-3-12

Plate Offsets (X,Y)-- [2:0-4-4,Edge], [8:0-4-4,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	0.69	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.25	11-12	>980	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.21	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 107 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 2=947/0-3-8, 8=947/0-3-8
Max Horz 2=164(LC 11)
Max Uplift 2=-113(LC 12), 8=-113(LC 12)

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

TOP CHORD	2-4=-1727/191, 4-5=-1371/136, 5-6=-1371/137, 6-8=-1727/208
BOT CHORD	2-12=-39/1449, 11-12=-44/1475, 10-11=-62/1443, 8-10=-61/1413
WEBS	5-11=-15/1109, 6-11=-370/184, 4-11=-382/190

NOTES-

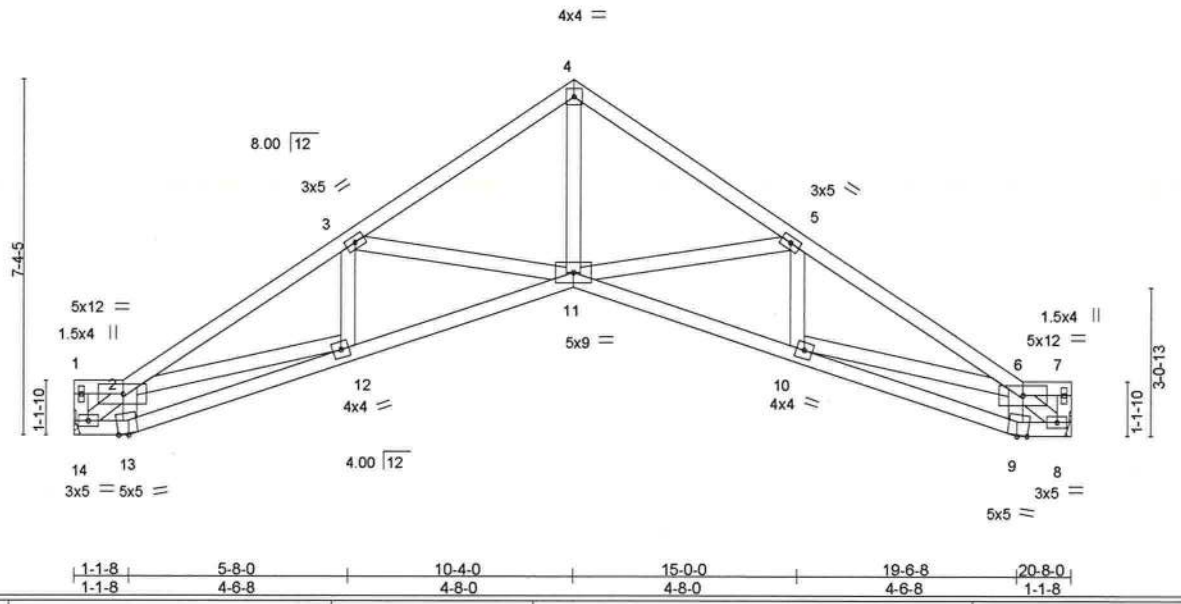
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; 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) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=113, 8=113.
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.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A3	ROOF SPECIAL	2	1	Job Reference (optional)	T15560166

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:20 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-rKxp5YU3suGgRb3tpt8d_rlvSXafIL_Mo3uvoQyJzOD



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.07	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.14	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 114 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) 14=815/Mechanical, 8=815/Mechanical
Max Horz 14=151(LC 11)
Max Uplift 14=-49(LC 12), 8=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1773/292, 3-4=-1371/234, 4-5=-1371/234, 5-6=-1773/287
BOT CHORD 13-14=-186/888, 12-13=-187/916, 11-12=-213/1512, 10-11=-209/1512, 9-10=-168/891, 8-9=-167/864
WEBS 2-14=-1159/218, 2-12=-25/597, 3-11=-406/173, 4-11=-138/1164, 5-11=-410/177, 6-10=-40/597, 6-8=-1159/218

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=25ft; 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) 14, 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

November 12,2018

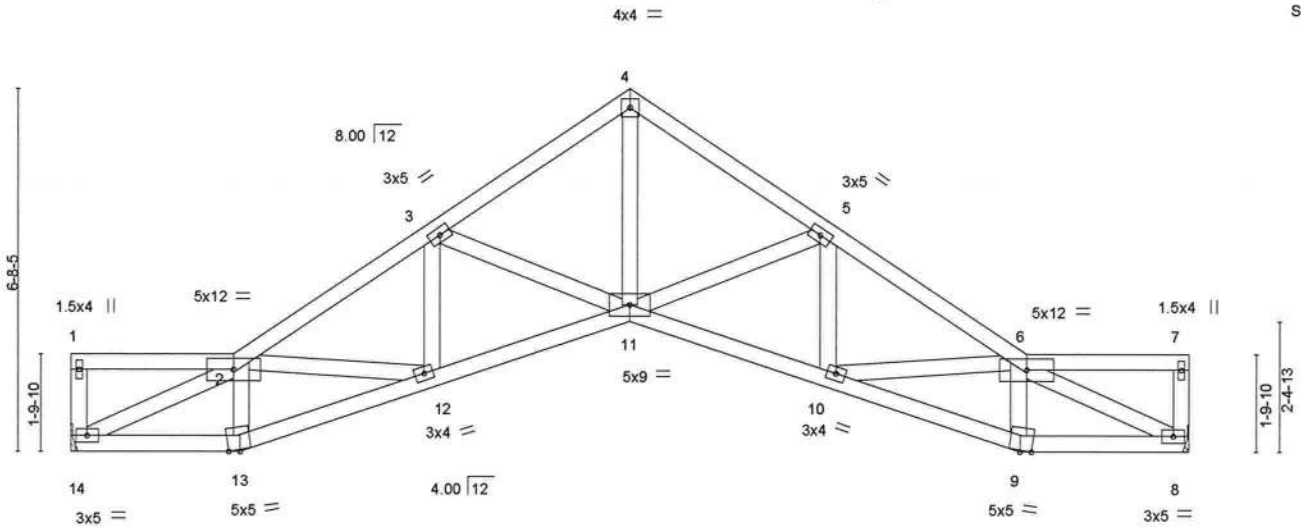
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A4	Roof Special	2	1	Job Reference (optional)	T15560167

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:22 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-nj3ZWDWJNWWOgvCGxIA53GqGILFdDF2eGNN?sJyJzOB

3-0-0	6-8-0	10-4-0	14-0-0	17-8-0	20-8-0
3-0-0	3-8-0	3-8-0	3-8-0	3-8-0	3-0-0

Scale = 1:42.6



3-1-8	6-8-0	10-4-0	14-0-0	17-6-8	20-8-0
3-1-8	3-6-8	3-8-0	3-8-0	3-6-8	3-1-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.07	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.14	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 118 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) 14=815/Mechanical, 8=815/Mechanical
Max Horz 14=146(LC 11)
Max Uplift 14=-49(LC 12), 8=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1669/304, 3-4=-1341/274, 4-5=-1341/274, 5-6=-1669/295
BOT CHORD 13-14=-270/1328, 12-13=-280/1380, 11-12=-252/1434, 10-11=-244/1434, 9-10=-252/1380, 8-9=-242/1328
WEBS 2-14=-1449/251, 2-13=-390/129, 3-11=-338/137, 4-11=-208/1206, 5-11=-344/146, 6-9=-390/121, 6-8=-1449/250

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=25ft; 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) 14, 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

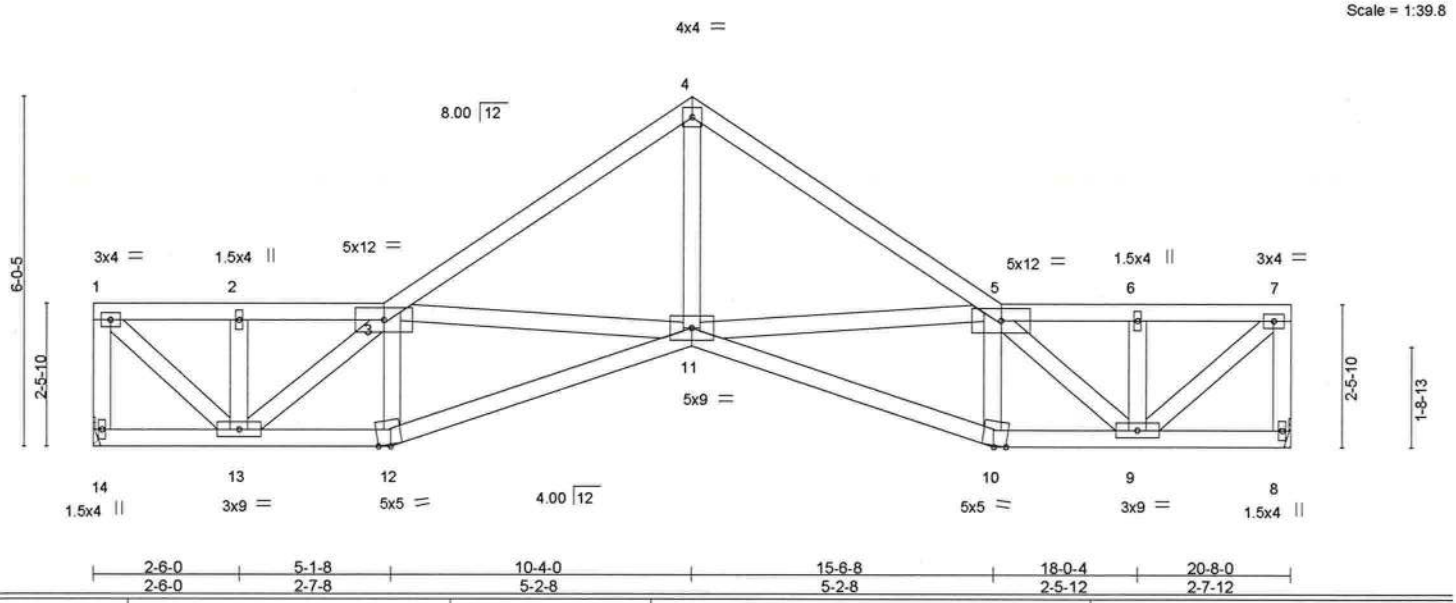
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A5	Roof Special	2	1	Job Reference (optional)	T15560168

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:24 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-j5AKwvXav7n6wCMe2jDZ9hwaq9wvh9Dxjhs6xByJzO9

2-6-0	5-0-0	10-4-0	15-8-0	18-0-4	20-8-0
2-6-0	2-6-0	5-4-0	5-4-0	2-4-4	2-7-12

Scale = 1:39.8



2-6-0	5-1-8	10-4-0	15-6-8	18-0-4	20-8-0
2-6-0	2-7-8	5-2-8	5-2-8	2-5-12	2-7-12

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	0.31	Vert(LL)	-0.06	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.14	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 121 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) 14=815/Mechanical, 8=815/Mechanical
Max Horz 14=-141(LC 10)
Max Uplift 14=-49(LC 12), 8=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-779/157, 1-2=-781/161, 2-3=-781/161, 3-4=-1387/275, 4-5=-1387/275, 5-6=-821/168, 6-7=-821/168, 7-8=-777/158
BOT CHORD 12-13=-314/1419, 11-12=-331/1491, 10-11=-300/1491, 9-10=-284/1419
WEBS 1-13=-182/1034, 3-13=-846/166, 3-12=-384/153, 3-11=-366/134, 4-11=-145/1097, 5-11=-366/163, 5-10=-384/141, 5-9=-814/160, 7-9=-187/1058

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=25ft; 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) 14, 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

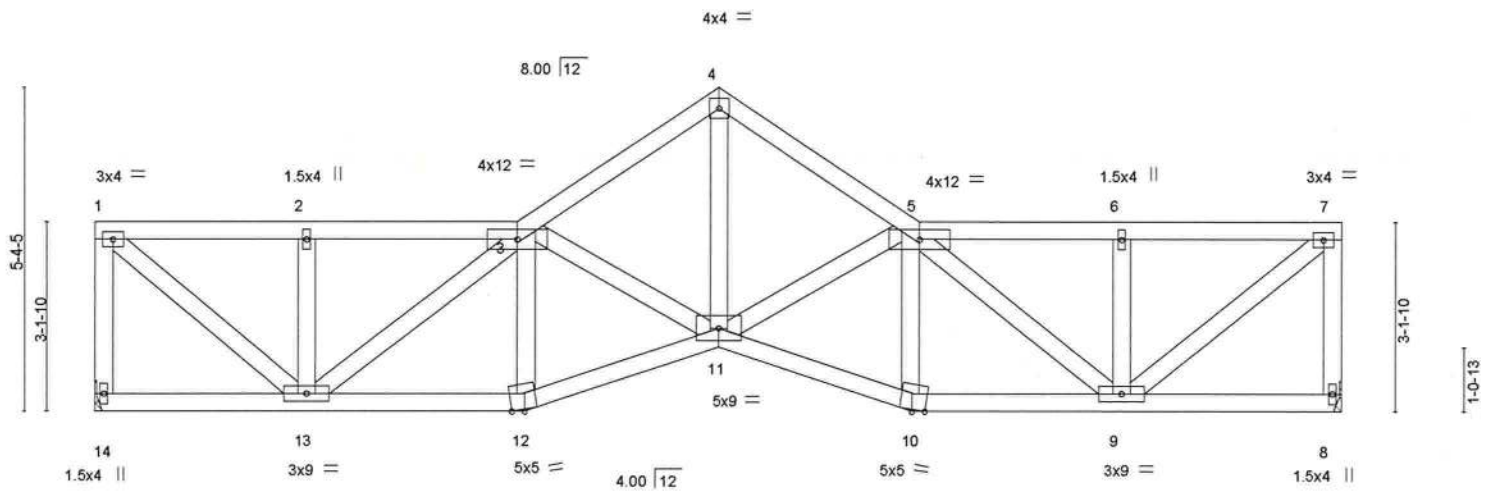
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A6	Roof Special	2	1	Job Reference (optional)	T15560169

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:25 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-BHki8FYCgRvzXMxrcQkohuSocYIgQb95yLbgTeyJzO8

3-6-0	7-0-0	10-4-0	13-8-0	17-0-4	20-8-0
3-6-0	3-6-0	3-4-0	3-4-0	3-4-4	3-7-12

Scale = 1:38.2



3-6-0	7-1-8	10-4-0	13-6-8	17-0-4	20-8-0
3-6-0	3-7-8	3-2-8	3-2-8	3-5-12	3-7-12

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	0.12	Vert(LL)	-0.06	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.11	11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 128 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) 14=815/Mechanical, 8=815/Mechanical
Max Horz 14=-136(LC 10)
Max Uplift 14=-57(LC 8), 8=-57(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-778/171, 1-2=-829/183, 2-3=-829/183, 3-4=-1322/281, 4-5=-1322/281, 5-6=-856/187, 6-7=-856/187, 7-8=-776/173
BOT CHORD 12-13=-311/1315, 11-12=-327/1377, 10-11=-301/1376, 9-10=-286/1314
WEBS 1-13=-205/1062, 3-13=-626/128, 3-12=-366/141, 3-11=-297/92, 4-11=-210/1181, 5-11=-296/119, 5-10=-367/130, 5-9=-600/122, 7-9=-209/1076

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=25ft; 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) 14, 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

November 12,2018

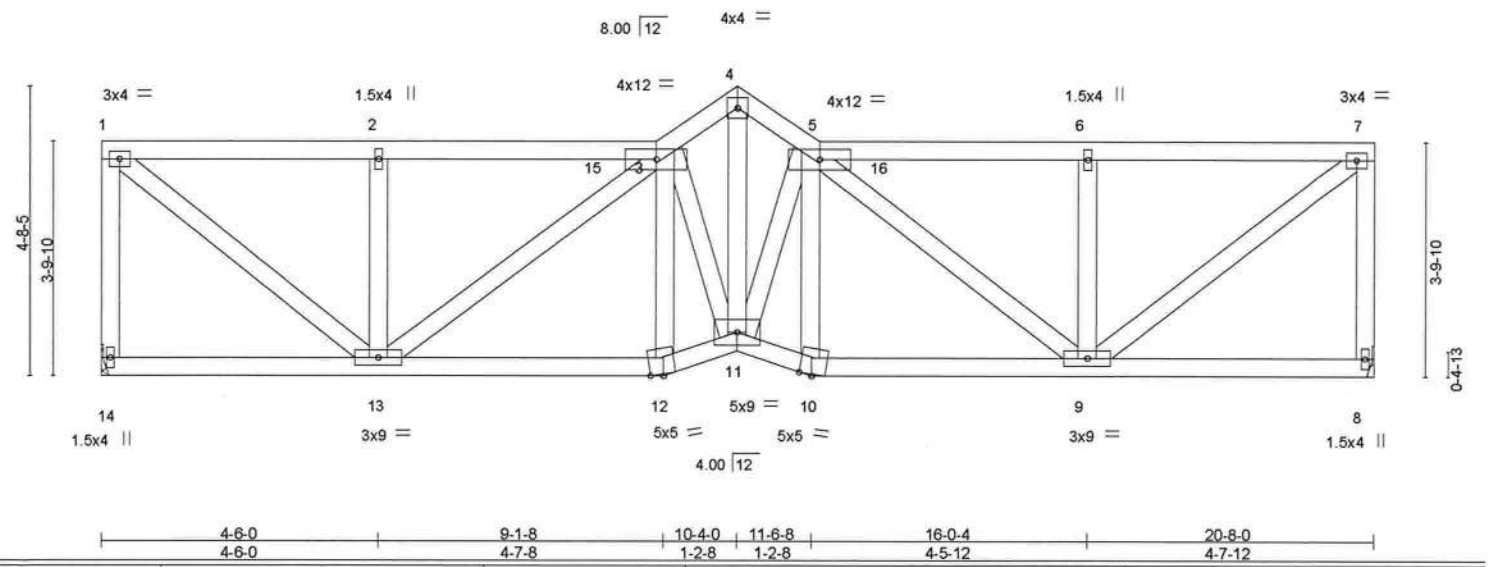
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	A7	Roof Special	2	1	Job Reference (optional)	T15560170

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:27 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-7gsSZxaSC29hng5DkrmGmJY6cM_vuVQOPf4mXWyJzO6

4-6-0	9-0-0	10-4-0	11-8-0	16-0-4	20-8-0
4-6-0	4-6-0	1-4-0	1-4-0	4-4-4	4-7-12

Scale = 1:37.5



4-6-0	9-1-8	10-4-0	11-6-8	16-0-4	20-8-0
4-6-0	4-7-8	1-2-8	1-2-8	4-5-12	4-7-12

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	0.21	Vert(LL)	-0.05	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.09	11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 139 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) 14=815/Mechanical, 8=815/Mechanical
Max Horz 14=-131(LC 10)
Max Uplift 14=-98(LC 8), 8=-98(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-772/188, 1-2=-837/196, 2-3=-837/196, 3-4=-1266/276, 4-5=-1264/275, 5-6=-856/199, 6-7=-856/199, 7-8=-770/189
BOT CHORD 12-13=-304/1173, 11-12=-320/1219, 10-11=-306/1217, 9-10=-292/1171
WEBS 1-13=-222/1050, 2-13=-305/143, 3-13=-426/103, 3-12=-298/139, 3-11=-309/79, 4-11=-271/1247, 5-11=-303/108, 5-10=-301/129, 5-9=-405/99, 6-9=-305/144, 7-9=-225/1059

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=25ft; 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) 14, 8.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	B1GE	Scissor Supported Gable	2	1	Job Reference (optional)	T15560171

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:29 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-43_D_dbjkfPP0_FcrGokskdR0AjfMTqgtzZtcPyJzO4

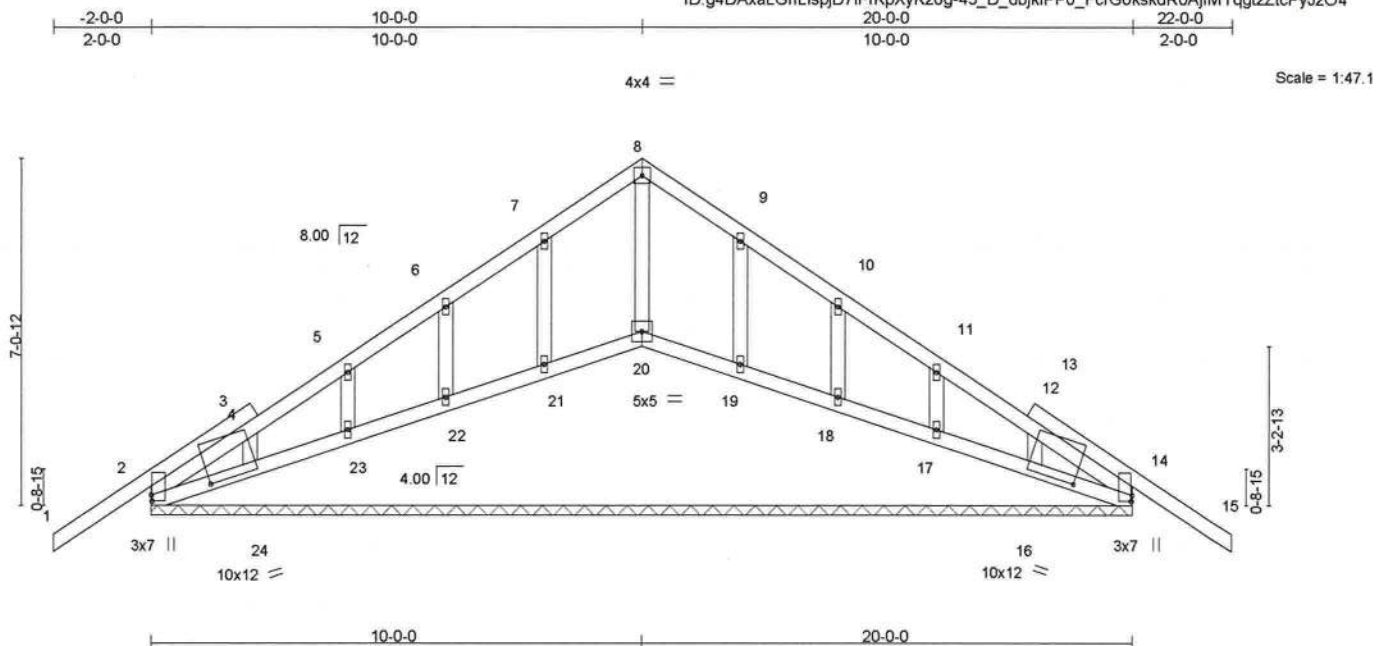


Plate Offsets (X,Y)-- [2:0-1-7,0-0-3], [3:0-2-0,0-0-9], [13:0-2-0,0-0-9], [14:0-1-7,0-0-3], [16:0-1-14,0-0-0], [16:1-2-9,0-2-0], [24:0-1-14,0-0-0], [24:1-2-9,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.04	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 107 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 6-0-0 oc bracing.

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=153(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 21, 22, 23, 24, 19, 18, 17, 16 except 2=-118(LC 12), 14=-118(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 20, 21, 22, 23, 24, 19, 18, 17, 16 except 2=263(LC 1), 14=263(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=25ft; 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) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 22, 23, 24, 19, 18, 17, 16 except (jt=lb) 2=118, 14=118.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 20, 21, 22, 23, 24, 19, 18, 17, 16.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

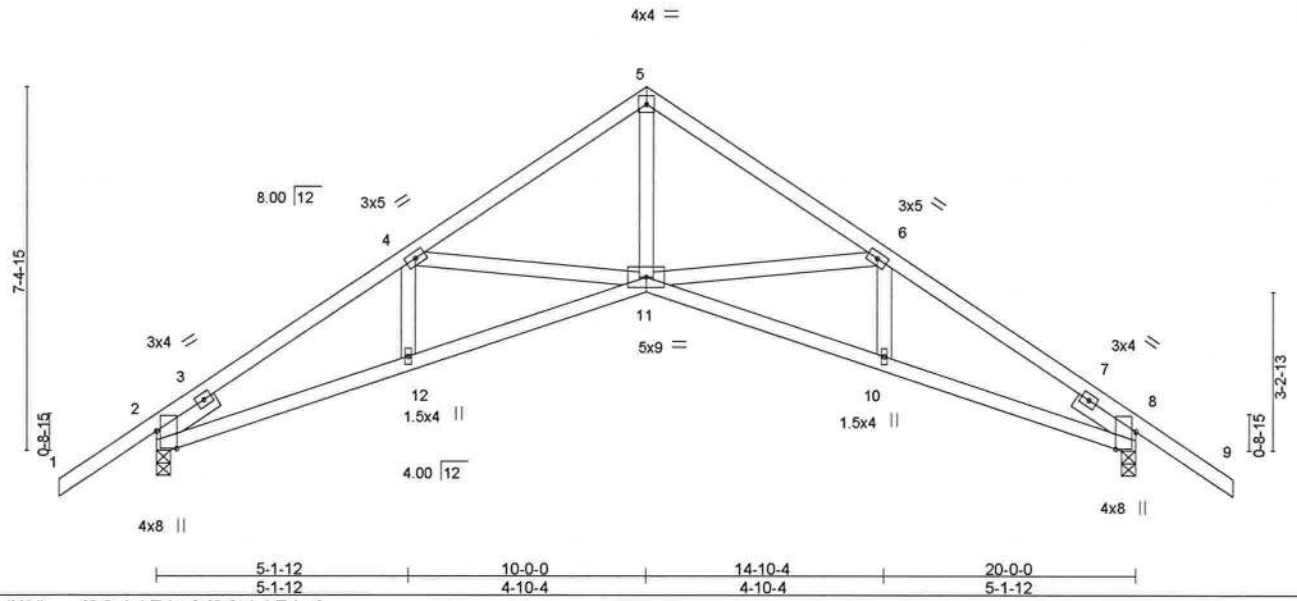
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	B2	Scissor	8	1	Job Reference (optional)	T15560172

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:30 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-YFYbBzcLVzXFe8poPzKzOy9VzZsQ5tqq5dJR8ryJzO3

-2-0-0	5-1-12	10-0-0	14-10-4	20-0-0	22-0-0
2-0-0	5-1-12	4-10-4	4-10-4	5-1-12	2-0-0

Scale = 1:47.1



5-1-12	10-0-0	14-10-4	20-0-0
5-1-12	4-10-4	4-10-4	5-1-12

Plate Offsets (X,Y)-- [2:0-4-4,Edge], [8:0-4-4,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	0.65	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.23	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.19	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 104 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 2=920/0-3-8, 8=920/0-3-8
Max Horz 2=-160(LC 10)
Max Uplift 2=-111(LC 12), 8=-111(LC 12)

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

TOP CHORD	2-4=-1651/179, 4-5=-1319/130, 5-6=-1319/131, 6-8=-1651/197
BOT CHORD	2-12=-31/1386, 11-12=-36/1412, 10-11=-55/1378, 8-10=-53/1349
WEBS	5-11=-12/1063, 6-11=-350/176, 4-11=-362/182

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=25ft; 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) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=111, 8=111.
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.

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

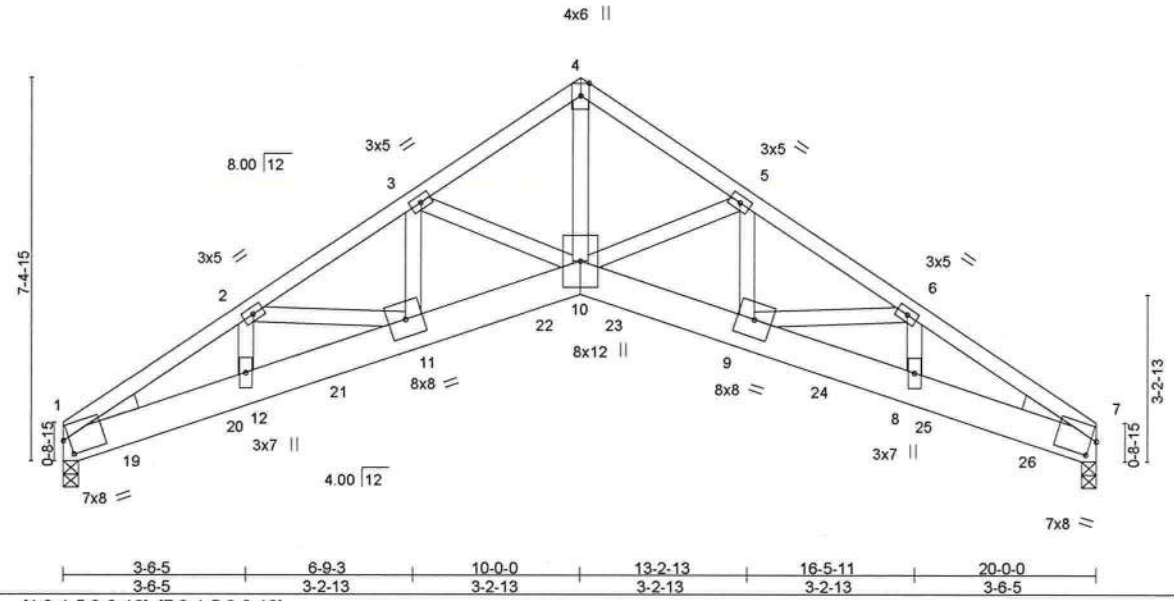
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	B3GIR	Scissor Girder	2	2	Job Reference (optional)	T15560173

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:32 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-UefLceeb1anztRzBWOMRTNFt0Ng5ZcK7ZxoXDkyJzO1

3-6-5	6-9-3	10-0-0	13-2-13	16-5-11	20-0-0
3-6-5	3-2-13	3-2-13	3-2-13	3-2-13	3-6-5

Scale = 1:44.6



3-6-5	6-9-3	10-0-0	13-2-13	16-5-11	20-0-0
3-6-5	3-2-13	3-2-13	3-2-13	3-2-13	3-6-5

Plate Offsets (X,Y)-- [1:0-1-5,0-3-12], [7:0-1-5,0-3-12]

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	0.55	Vert(LL)	-0.20	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.38	10	>624	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.29	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 277 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

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

REACTIONS. (lb/size) 1=4775/0-3-8, 7=4775/0-3-8
Max Horz 1=-133(LC 23)
Max Uplift 1=-411(LC 8), 7=-411(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9658/855, 2-3=-9941/909, 3-4=-7760/737, 4-5=-7760/737, 5-6=-9940/909, 6-7=-9658/855
BOT CHORD 1-12=-684/8298, 11-12=-720/8662, 10-11=-709/8875, 9-10=-709/8875, 8-9=-720/8662, 7-8=-684/8298
WEBS 4-10=-754/8350, 5-10=-2035/231, 5-9=-135/1871, 6-9=-91/341, 6-8=-297/74, 3-10=-2035/231, 3-11=-135/1871, 2-11=-60/341, 2-12=-297/74

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 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
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=25ft; 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) Bearing at joint(s) 1, 7 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) except (jt=lb) 1=411, 7=411.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 795 lb down and 69 lb up at 1-0-12, 795 lb down and 69 lb up at 3-0-12, 795 lb down and 69 lb up at 5-0-12, 795 lb down and 77 lb up at 7-0-12, 795 lb down and 118 lb up at 9-0-12, 795 lb down and 118 lb up at 10-11-4, 795 lb down and 77 lb up at 12-11-4, 795 lb down and 69 lb up at 14-11-4, and 795 lb down and 69 lb up at 16-11-4, and 795 lb down and 69 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

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

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 12,2018

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 10-13=-20, 10-16=-20
   Concentrated Loads (lb)
   Vert: 9=-795(F) 11=-795(F) 19=-795(F) 20=-795(F) 21=-795(F) 22=-795(F) 23=-795(F) 24=-795(F) 25=-795(F) 26=-795(F)

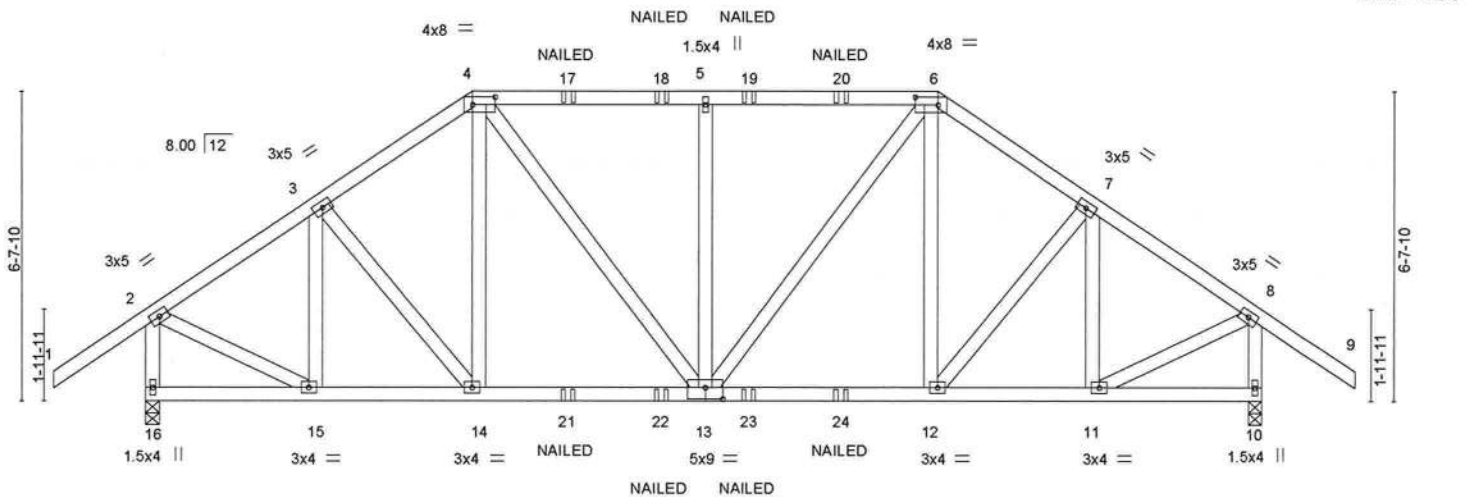
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	C1GIR	Hip Girder	2	2	Job Reference (optional)	T15560174

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:34 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-Q0n61KfrZC1h7l7ZepOvZnKGYBMw1itP0EHeHcyJzO?

-2-0-0	3-7-12	7-0-0	12-0-0	17-0-0	20-4-4	24-0-0	26-0-0
2-0-0	3-7-12	3-4-4	5-0-0	5-0-0	3-4-4	3-7-12	2-0-0

Scale = 1:49.5



3-7-12	7-0-0	12-0-0	17-0-0	20-4-4	24-0-0
3-7-12	3-4-4	5-0-0	5-0-0	3-4-4	3-7-12

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

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	0.36	Vert(LL)	-0.03	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.06	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 349 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) 16=1882/0-3-8, 10=1882/0-3-8
Max Horz 16=160(LC 24)
Max Uplift 16=-342(LC 8), 10=-342(LC 8)

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

TOP CHORD	2-3=-1702/340, 3-4=-1980/444, 4-5=-1970/440, 5-6=-1970/440, 6-7=-1980/444, 7-8=-1702/340, 2-16=-1841/362, 8-10=-1841/362
BOT CHORD	14-15=-236/1415, 13-14=-281/1647, 12-13=-260/1614, 11-12=-183/1356
WEBS	3-15=-628/133, 3-14=-188/444, 4-14=0/311, 4-13=-96/622, 5-13=-691/268, 6-13=-96/622, 6-12=0/311, 7-12=-188/444, 7-11=-628/133, 2-15=-216/1517, 8-11=-216/1517

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) 16=342, 10=342.
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) 236 lb down and 202 lb up at 7-0-0, and 236 lb down and 202 lb up at 17-0-0 on top chord, and 324 lb down and 112 lb up at 7-0-0, and 324 lb down and 112 lb up at 16-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

November 12,2018

Continued on page 2

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, 4-6=-60, 6-8=-60, 8-9=-60, 10-16=-20
   Concentrated Loads (lb)
   Vert: 4=-183(B) 6=-183(B) 14=-278(B) 12=-278(B) 17=-120(B) 18=-120(B) 19=-120(B) 20=-120(B) 21=-51(B) 22=-51(B) 23=-51(B) 24=-51(B)

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	C2	Hip	2	1	Job Reference (optional)	T15560175

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:35 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-uDLUEggTJV9YkvimBWv85?tRAaiim97ZFu0Bp3yJzO_

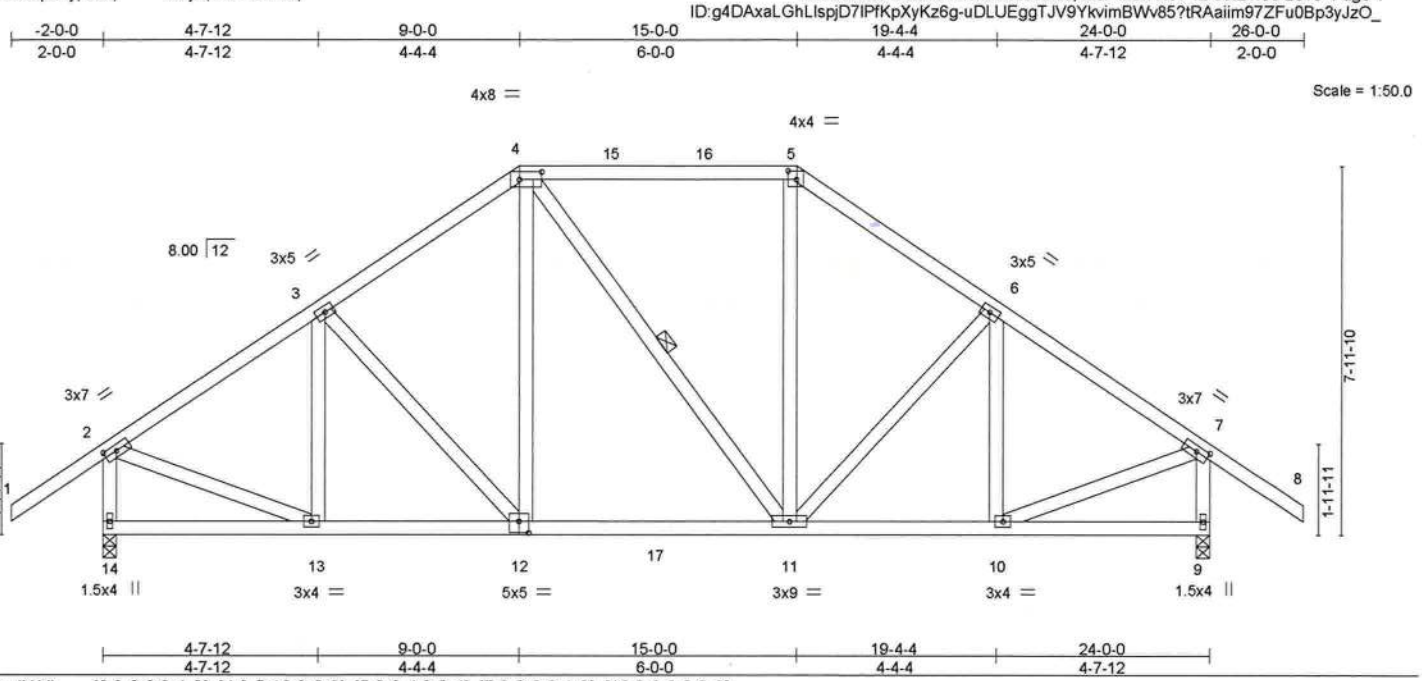


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [4:0-5-12,0-2-0], [5:0-2-4,0-2-4], [7:0-3-3,0-1-8], [12:0-2-8,0-3-0]

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	0.37	Vert(LL)	-0.04	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.09	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 170 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 4-11

REACTIONS. (lb/size) 14=1077/0-3-8, 9=1077/0-3-8
Max Horz 14=185(LC 11)
Max Uplift 14=-53(LC 12), 9=-53(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-948/207, 3-4=-898/260, 4-5=-690/255, 5-6=-896/259, 6-7=-948/207, 2-14=-1031/281, 7-9=-1032/281
BOT CHORD 12-13=-57/794, 11-12=0/750, 10-11=-43/721
WEBS 2-13=-73/761, 7-10=-73/761

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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 9.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

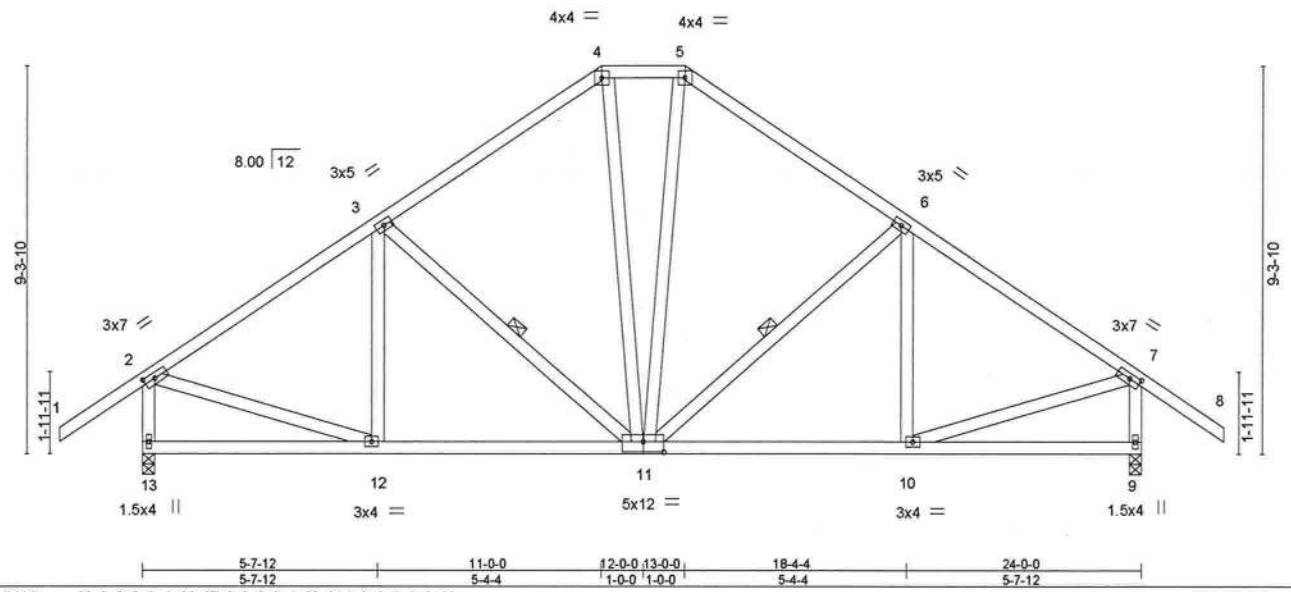
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	C3	Hip	2	1	Job Reference (optional)	T15560176

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:36 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-NPvsS0h64pHPM3HyIEQNeCPd2_0vVcNiUYmILVyJzNz

-2-0-0	5-7-12	11-0-0	13-0-0	18-4-4	24-0-0	26-0-0
2-0-0	5-7-12	5-4-4	2-0-0	5-4-4	5-7-12	2-0-0

Scale = 1:55.4



5-7-12	11-0-0	12-0-0	13-0-0	18-4-4	24-0-0
5-7-12	5-4-4	1-0-0	1-0-0	5-4-4	5-7-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 171 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 3-11, 6-11

REACTIONS. (lb/size) 13=1077/0-3-8, 9=1077/0-3-8
Max Horz 13=-209(LC 10)
Max Uplift 13=-53(LC 12), 9=-53(LC 12)

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

TOP CHORD	2-3=-997/207, 3-4=-820/252, 4-5=-666/259, 5-6=-820/252, 6-7=-997/207, 2-13=-1026/278, 7-9=-1026/278
BOT CHORD	11-12=-45/787, 10-11=-34/753
WEBS	3-11=-277/136, 6-11=-277/136, 2-12=-54/759, 7-10=-54/759, 4-11=-47/251, 5-11=-47/251

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) 13, 9.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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

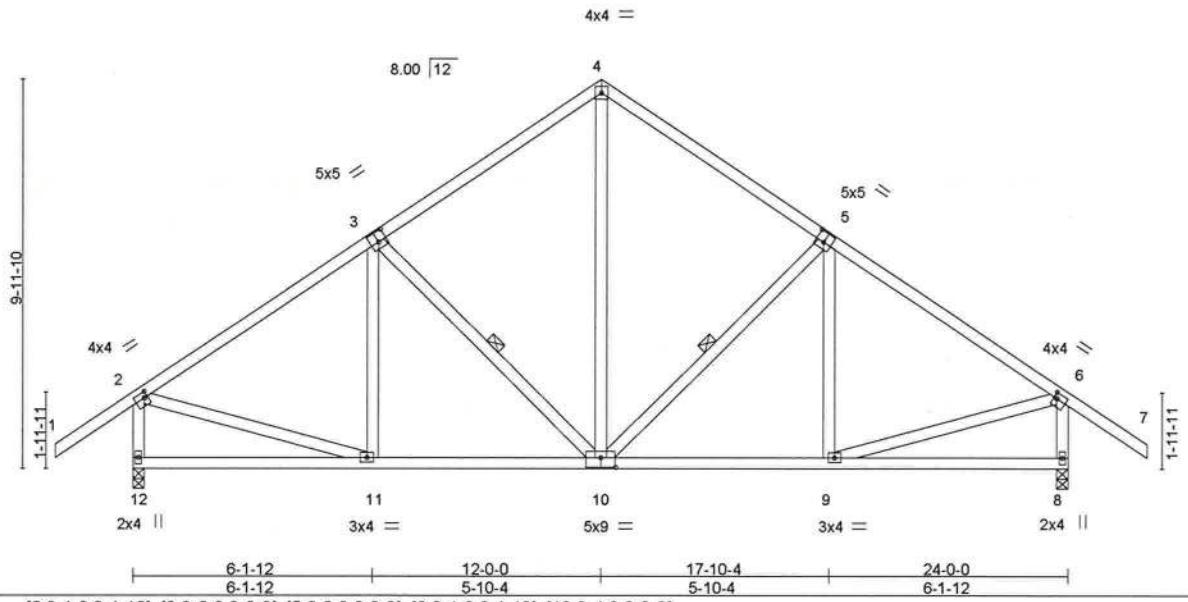
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	C4	Common	1	1	Job Reference (optional)	T15560177

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:37 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-rbTEfMikr7PG_Cs8JxycAQyoeONbE2rsiCVItxyJzNy

-2-0-0	6-1-12	12-0-0	17-10-4	24-0-0	26-0-0
2-0-0	6-1-12	5-10-4	5-10-4	6-1-12	2-0-0

Scale = 1:59.2



6-1-12	12-0-0	17-10-4	24-0-0
6-1-12	5-10-4	5-10-4	6-1-12

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [6:0-1-0,0-1-12], [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	0.31	Vert(LL)	-0.03	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.07	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 162 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 5-10, 3-10

REACTIONS. (lb/size) 12=1077/0-3-8, 8=1077/0-3-8
Max Horz 12=-221(LC 10)
Max Uplift 12=-53(LC 12), 8=-53(LC 12)

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

TOP CHORD	2-3=-1008/207, 3-4=-807/260, 4-5=-807/260, 5-6=-1008/207, 2-12=-1019/278, 6-8=-1019/278
BOT CHORD	10-11=-37/792, 9-10=-27/755
WEBS	4-10=-135/547, 5-10=-305/150, 3-10=-305/150, 2-11=-38/732, 6-9=-38/732

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) 12, 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.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	CJ01	Diagonal Hip Girder	4	1	Job Reference (optional)	T15560178

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:38 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-Jo1dsiiMcQX7bMRLtfTrjdVtJofuzVg?xsFsPOyJzNx

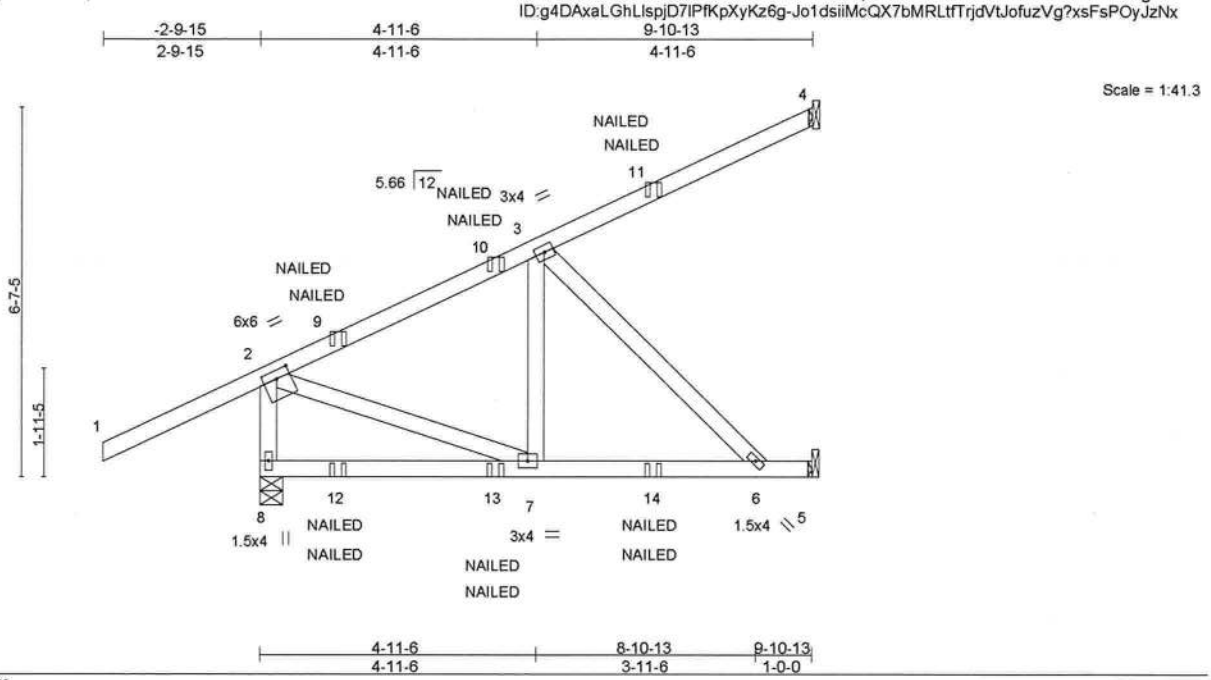


Plate Offsets (X,Y)-- [2:0-3-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.13	6-7	>903	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 59 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=456/0-4-15, 4=148/Mechanical, 5=255/Mechanical
Max Horz 8=194(LC 8)
Max Uplift 8=-351(LC 8), 4=-60(LC 8), 5=-103(LC 8)
Max Grav 8=527(LC 28), 4=148(LC 1), 5=311(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-516/242, 2-3=-404/187
BOT CHORD 6-7=-184/325
WEBS 2-7=-64/418, 3-6=-452/256

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 except (jt=lb) 8=351, 5=103.
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=132(F=66, B=66) 11=-63(F=-32, B=-32) 12=53(F=27, B=27) 13=9(F=4, B=4) 14=-36(F=-18, B=-18)

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

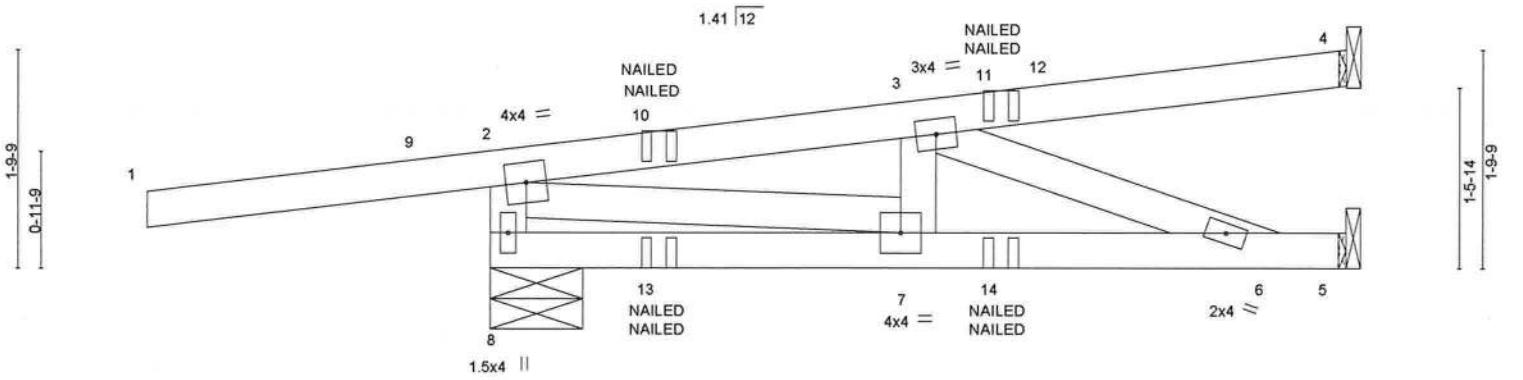
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	CJ02	Diagonal Hip Girder	2	1	Job Reference (optional)	T15560179

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:39 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-n_a?41j_Nkg_DW?XQM_4Gr1_XC5Si?09AW_PxqyJzNw

-2-9-15	3-6-7	7-0-14
2-9-15	3-6-7	3-6-7

Scale = 1:19.0



3-6-7	6-0-14	7-0-14
3-6-7	2-6-7	1-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 36 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=335/0-9-2, 4=110/Mechanical, 5=86/Mechanical
Max Horz 8=46(LC 8)
Max Uplift 8=-177(LC 4), 4=-23(LC 8), 5=-26(LC 5)
Max Grav 8=374(LC 30), 4=126(LC 17), 5=116(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-368/163, 2-3=-276/118
BOT CHORD 6-7=-131/257
WEBS 2-7=-100/279, 3-6=-274/140

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=177.
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: 10=124(F=62, B=62) 13=62(F=31, B=31) 14=11(F=5, B=5)

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

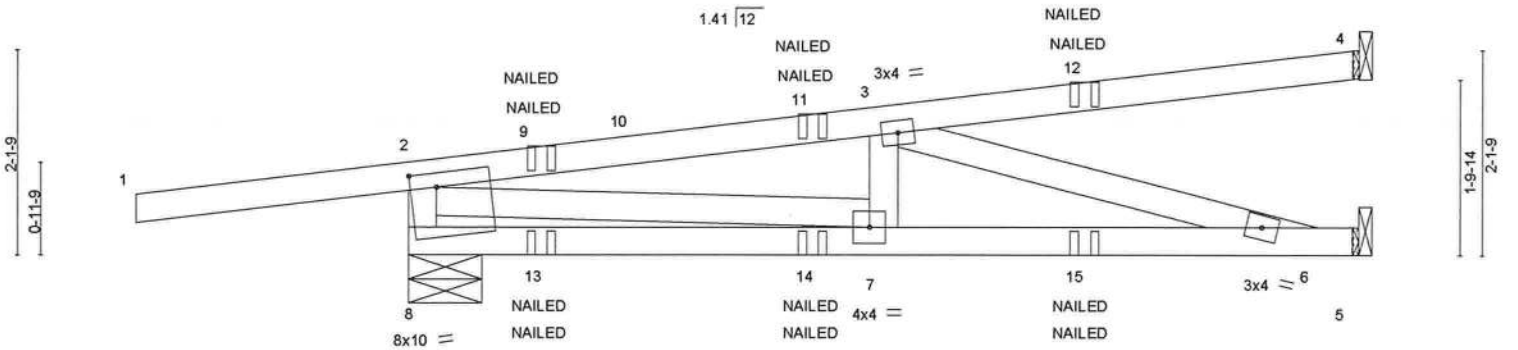
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	CJ03	Diagonal Hip Girder	2	1	Job Reference (optional)	T15560180

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:41 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-jMilVjlEvLwiSq9vYn0YLG7Ov?g_AsNRdqTW0iyJzNu

-2-9-15 / 2-9-15 | 4-11-6 / 4-11-6 | 9-10-13 / 4-11-6

Scale: 1/2"=1'



4-11-6 / 4-11-6 | 8-10-13 / 3-11-6 | 9-10-13 / 1-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.11	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 49 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=454/0-9-2, 4=151/Mechanical, 5=252/Mechanical
Max Horz 8=54(LC 8)
Max Uplift 8=-213(LC 4), 4=-38(LC 5), 5=-66(LC 5)
Max Grav 8=466(LC 30), 4=151(LC 1), 5=267(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-461/193, 2-3=-780/263
BOT CHORD 7-8=-457/197, 6-7=-281/763
WEBS 2-7=-264/1010, 3-6=-792/291

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=213.
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=124(F=62, B=62) 12=-65(F=-33, B=-33) 13=62(F=31, B=31) 14=11(F=5, B=5) 15=-34(F=-17, B=-17)

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

November 12,2018

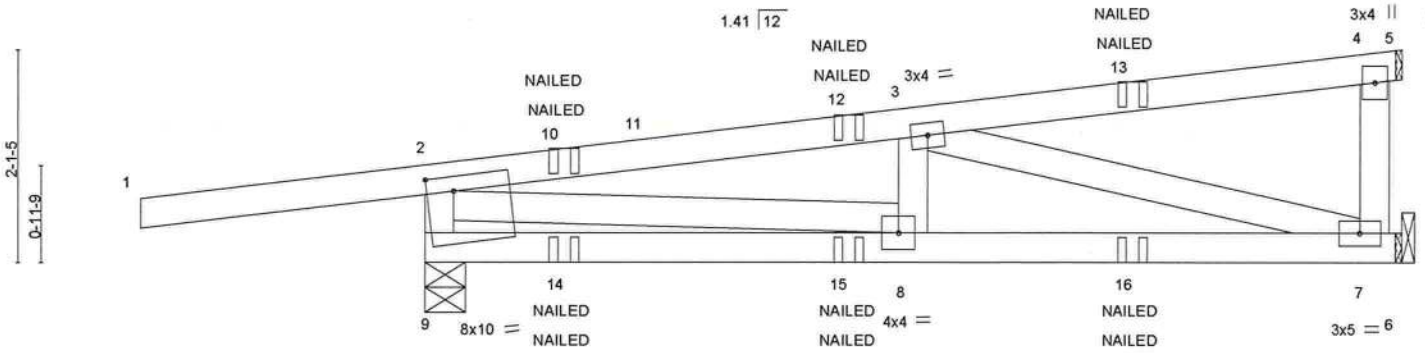
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	CJ04	Diagonal Hip Girder	2	1	Job Reference (optional)	T15560181

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:42 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-BZG7i3lsgf2Y4_k66VXntTfZfP3FvI7bsUD3Y9yJzNt

-2-9-15 / 2-9-15 | 4-10-5 / 4-10-5 | 9-8-11 / 4-10-5

Scale = 1:22.9



4-10-5 / 4-10-5 | 9-8-11 / 4-10-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.03	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.05	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 51 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) 9=438/0-4-15, 7=399/Mechanical
Max Horz 9=68(LC 21)
Max Uplift 9=-212(LC 4), 7=-110(LC 5)
Max Grav 9=456(LC 29), 7=399(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-437/190, 2-3=-661/225
BOT CHORD 8-9=-437/223, 7-8=-265/644
WEBS 2-8=-239/881, 3-7=-564/236

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) except (jt=lb) 9=212, 7=110.
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, 4-5=-20, 6-9=-20
Concentrated Loads (lb)
Vert: 10=124(F=62, B=62) 13=-65(F=-33, B=-33) 14=62(F=31, B=31) 15=11(F=5, B=5) 16=-34(F=-17, B=-17)

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

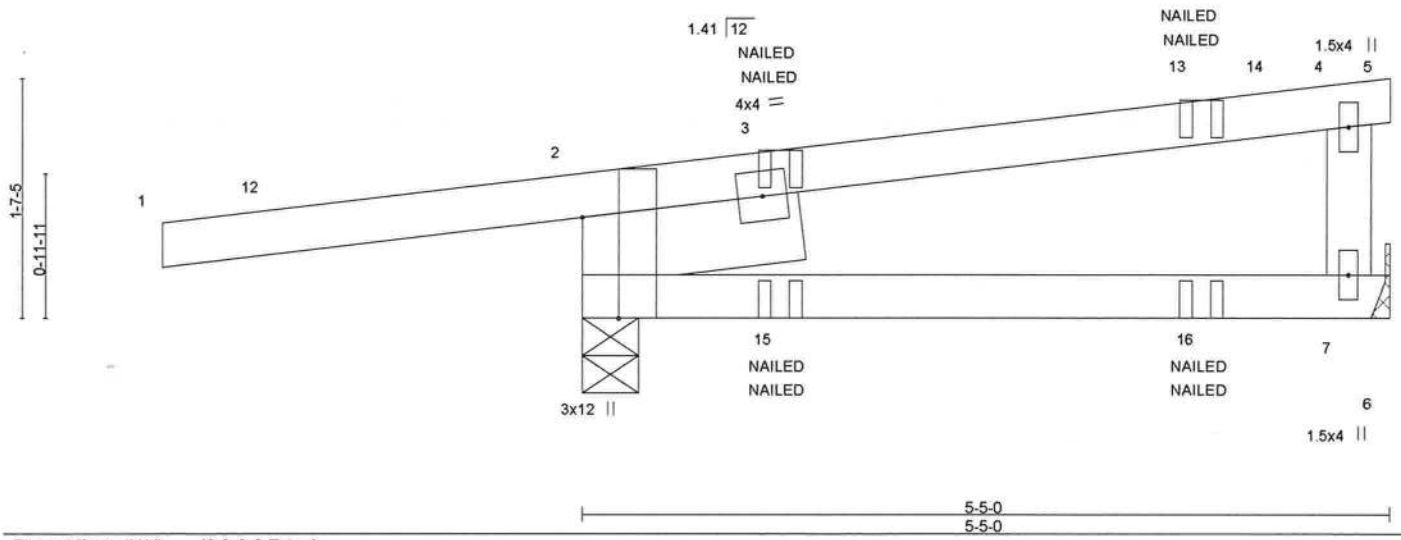
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	CJ05	Roof Special Girder	1	1	Job Reference (optional)	T15560182

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:43 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-flqWwPmVRzAPi7JIfC20QhCh7pOOeonk58yd5byJzNs

-2-9-15 / 2-9-15 — 5-5-0 / 5-5-0

Scale = 1:15.5



5-5-0 / 5-5-0

Plate Offsets (X,Y)-- [2:0-8-2,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	0.88	Vert(LL)	0.05	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	0.07	7-10	>921	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.04	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 25 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 or 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=115/Mechanical, 2=280/0-4-9
Max Horz 2=40(LC 21)
Max Uplift 7=-61(LC 5), 2=-165(LC 4)
Max Grav 7=130(LC 30), 2=321(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-203/565

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) 7 except (jt=lb) 2=165.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-20, 6-8=-20
Concentrated Loads (lb)
Vert: 3=124(F=62, B=62) 15=64(F=32, B=32) 16=11(F=5, B=5)

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

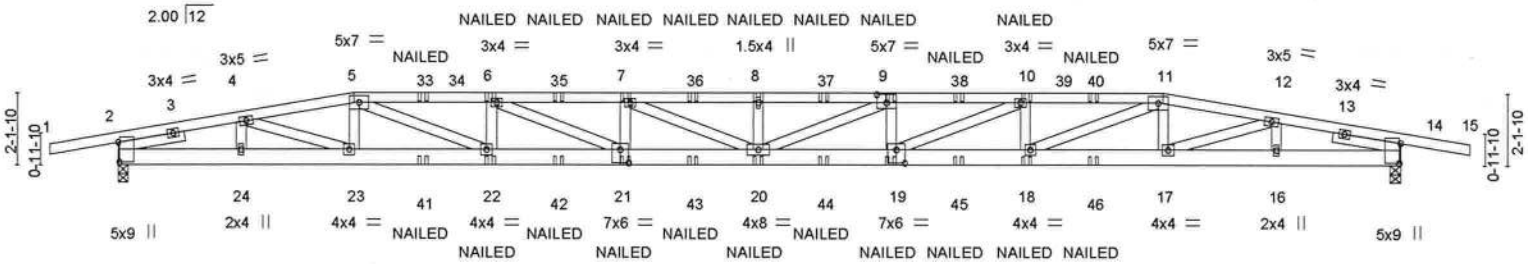
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	D1GIR	HIP GIRDER	1	3	Job Reference (optional)	T15560183

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:48 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-0jdPz6qdFVoiovCGSleB7kva_q5pJ?FTEQgNmoyJzNn

-2-0-0	3-7-12	7-0-0	11-1-3	15-0-9	19-0-0	22-11-7	26-10-13	31-0-0	34-4-4	38-0-0	40-0-0
2-0-0	3-7-12	3-4-4	4-1-3	3-11-7	3-11-7	3-11-7	3-11-7	4-1-3	3-4-4	3-7-12	2-0-0

Scale = 1:68.4



3-7-12	7-0-0	11-1-3	15-0-9	19-0-0	22-11-7	26-10-13	31-0-0	34-4-4	38-0-0
3-7-12	3-4-4	4-1-3	3-11-7	3-11-7	3-11-7	3-11-7	4-1-3	3-4-4	3-7-12

Plate Offsets (X,Y)-- [2:0-7-1,0-0-7], [9:0-3-8,0-3-0], [14:0-7-1,0-0-7], [19:0-3-0,0-4-12], [21:0-3-0,0-4-12]

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	0.68	Vert(LL)	0.74	20	>614	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-1.44	20	>317	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 658 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=3044/0-3-8, 14=3043/0-3-8
Max Horz 2=-25(LC 22)
Max Uplift 2=-610(LC 8), 14=-609(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-6942/1380, 4-5=-10685/2256, 5-6=-14011/2977, 6-7=-16231/3446, 7-8=-16810/3569, 8-9=-16810/3569, 9-10=-16203/3439, 10-11=-14009/2977, 11-12=-10681/2255, 12-14=-6940/1379
BOT CHORD 2-24=-1320/6760, 23-24=-1320/6760, 22-23=-2193/10546, 21-22=-2937/14011, 20-21=-3421/16292, 19-20=-3428/16323, 18-19=-2936/14009, 17-18=-2192/10542, 16-17=-1320/6758, 14-16=-1320/6758
WEBS 4-24=-1515/363, 4-23=-927/4065, 5-23=-404/100, 5-22=-810/3830, 6-22=-1511/337, 6-21=-517/2476, 7-21=-747/174, 7-20=-131/606, 8-20=-431/111, 9-20=-125/574, 9-19=-748/174, 10-19=-510/2447, 10-18=-1509/336, 11-18=-810/3832, 11-17=-403/100, 12-17=-927/4063, 12-16=-1515/362

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 0-7-0 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=38ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=610, 14=609.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 12,2018

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	D1GIR	HIP GIRDER	1	3	T15560183
					Job Reference (optional)

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 234 lb down and 137 lb up at 7-0-0, and 234 lb down and 137 lb up at 31-0-0 on top chord, and 294 lb down and 136 lb up at 7-0-0, and 294 lb down and 136 lb up at 30-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

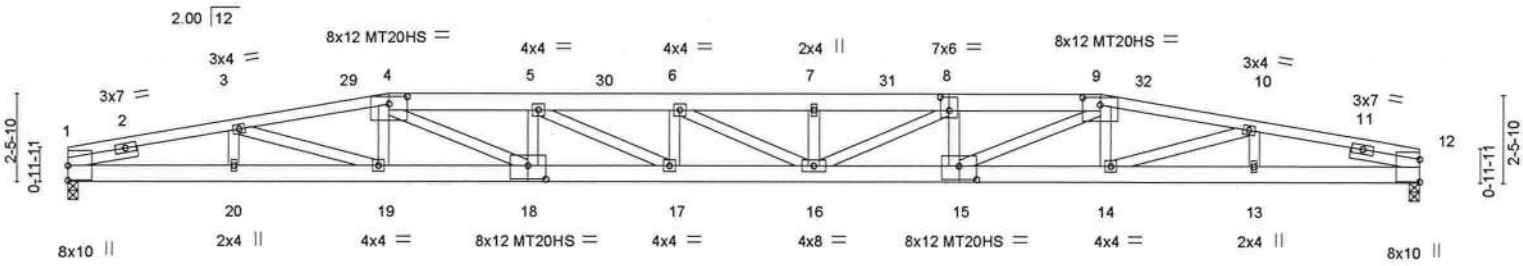
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-11=-60, 11-15=-60, 25-29=-20
   Concentrated Loads (lb)
   Vert: 9=-120(B) 21=-51(B) 23=-275(B) 5=-186(B) 22=-51(B) 6=-120(B) 7=-120(B) 20=-51(B) 8=-120(B) 19=-51(B) 10=-120(B) 18=-51(B) 11=-186(B) 17=-275(B) 33=-120(B) 35=-120(B) 36=-120(B) 37=-120(B) 38=-120(B) 40=-120(B) 41=-51(B) 42=-51(B) 43=-51(B) 44=-51(B) 45=-51(B) 46=-51(B)

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	D2	Hip	1	1	Job Reference (optional)	T15560184

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:49 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-UvBnASrF0pwZQ2mS0T9QfySgvEMx2RsdT4PxIFyJzNm

4-7-12	9-0-0	13-1-1	17-0-6	20-11-10	24-10-15	29-0-0	33-4-4	38-0-0
4-7-12	4-4-4	4-1-1	3-11-5	3-11-5	3-11-5	4-1-1	4-4-4	4-7-12

Scale = 1:64.8



4-7-12	9-0-0	13-1-1	17-0-6	20-11-10	24-10-15	29-0-0	33-4-4	38-0-0
4-7-12	4-4-4	4-1-1	3-11-5	3-11-5	3-11-5	4-1-1	4-4-4	4-7-12

Plate Offsets (X,Y)-- [4:0-6-0,0-2-9], [8:0-3-0,0-4-8], [9:0-6-0,0-2-9], [15:0-6-0,0-4-8], [18:0-6-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	0.88	16-17	>518	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-1.34	16-17	>340	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 228 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-8,8-9: 2x6 SP No.2
BOT CHORD	2x6 SP SS
WEBS	2x4 SP No.2
SLIDER	Left 2x4 SP No.2 2-0-0, Right 2x4 SP No.2 2-0-0

BRACING-

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

REACTIONS. (lb/size) 1=1520/0-3-8, 12=1520/0-3-8
Max Horz 1=18(LC 8)
Max Uplift 1=-327(LC 12), 12=-327(LC 12)

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

TOP CHORD	1-3=-3986/2563, 3-4=-5135/3294, 4-5=-6320/4050, 5-6=-7017/4485, 6-7=-6986/4465, 7-8=-6986/4465, 8-9=-6311/4046, 9-10=-5134/3293, 10-12=-3986/2564
BOT CHORD	1-20=-2484/3888, 19-20=-2484/3888, 18-19=-3202/5062, 17-18=-4014/6365, 16-17=-4424/7017, 15-16=-4035/6400, 14-15=-3202/5061, 13-14=-2484/3888, 12-13=-2484/3888
WEBS	3-20=-551/310, 3-19=-756/1306, 4-18=-889/1536, 5-18=-695/365, 5-17=-461/813, 6-17=-276/110, 8-16=-418/743, 8-15=-687/360, 9-15=-885/1526, 10-14=-756/1305, 10-13=-550/310

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=38ft; 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; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=327, 12=327.
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.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	E1GIR	Half Hip Girder	2	2	Job Reference (optional)	T15560185

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:51 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-QlJXb8sWYQAHfMwq7uCuINX4J11vWMewwOu2N7yJzNk

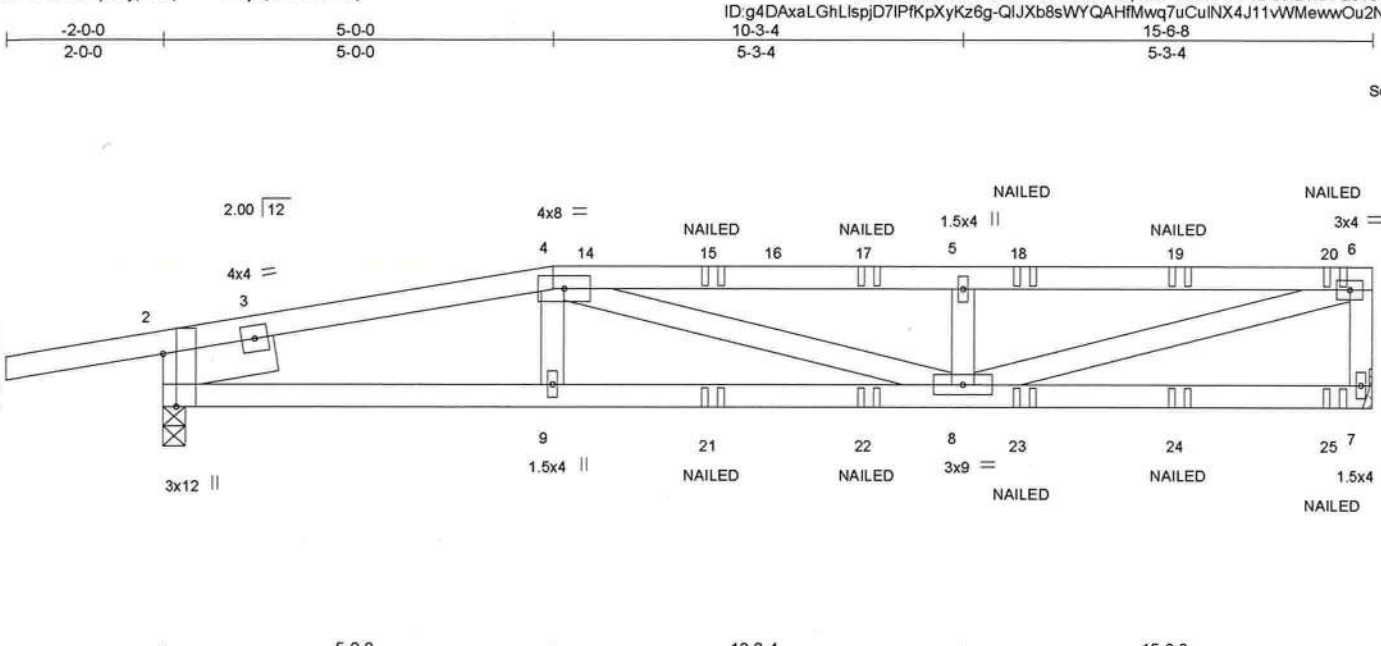


Plate Offsets (X,Y)-- [2:0-8-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.12	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.21	8-9	>868	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 147 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 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=991/Mechanical, 2=984/0-3-8
Max Horz 2=42(LC 22)
Max Uplift 7=-265(LC 8), 2=-277(LC 4)

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

TOP CHORD	2-4=-2027/530, 4-5=-2336/633, 5-6=-2336/633, 6-7=-899/237
BOT CHORD	2-9=-496/1956, 8-9=-496/1956
WEBS	4-8=-118/456, 5-8=-549/143, 6-8=-617/2334

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-8-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-8-0 oc, Except member 8-4 2x4 - 1 row at 0-9-0 oc, member 5-8 2x4 - 1 row at 0-9-0 oc, member 8-6 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; porch left 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) 7=265, 2=277.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 146 lb down and 106 lb up at 5-0-0 on top chord, and 145 lb down and 82 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-6=-60, 7-10=-20
   Concentrated Loads (lb)
   Vert: 9=-83(B) 4=-99(B) 15=-57(B) 17=-57(B) 18=-57(B) 19=-57(B) 20=-77(B) 21=-25(B) 22=-25(B) 23=-25(B) 24=-25(B) 25=-32(B)

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	F01	Floor	4	1	T15560186
					Job Reference (optional)

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:51 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-QIJXb8sWYQAHfMwq7uCuINXER1DZWQ3wwOu2N7yJzNk

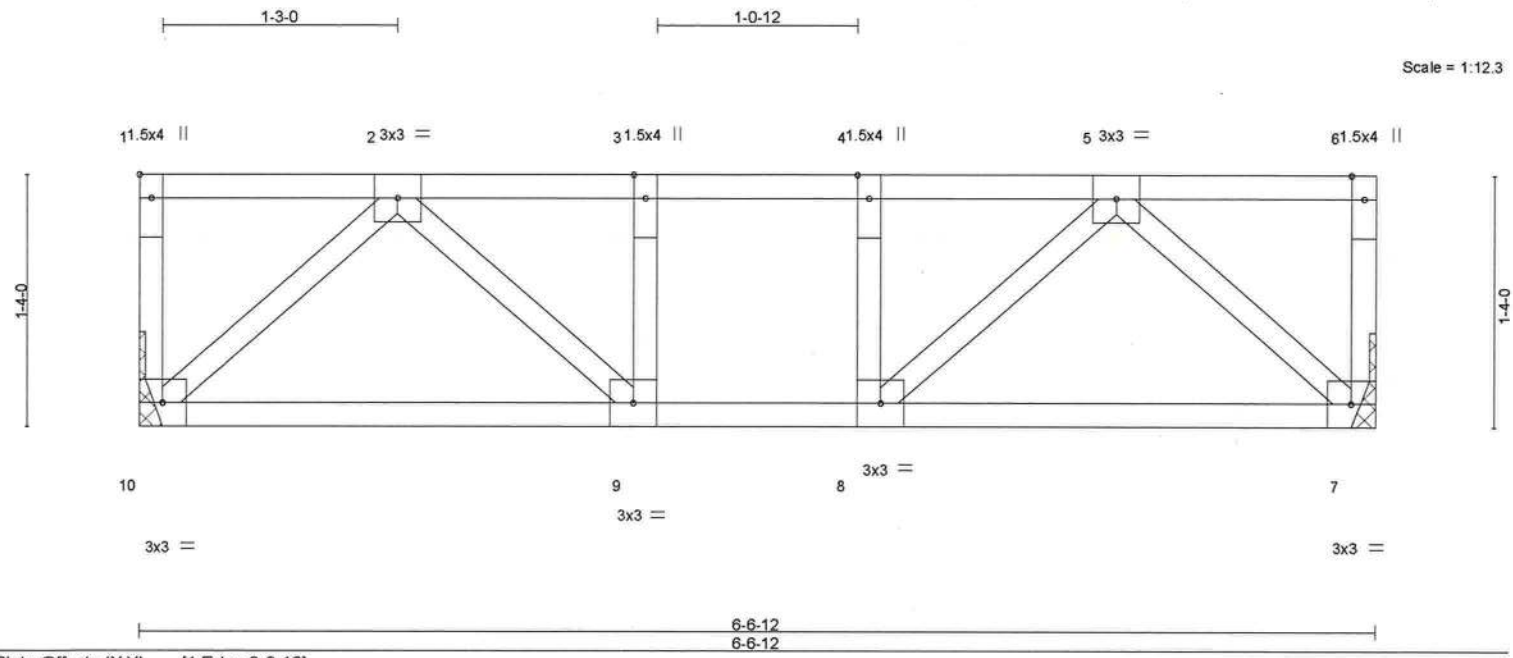


Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.01	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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=236/Mechanical, 10=236/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-312/0, 3-4=-312/0, 4-5=-312/0
BOT CHORD 8-9=0/312
WEBS 5-7=-286/0, 2-10=-286/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	F02	Floor Girder	2	1	Job Reference (optional)	T15560187

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:52 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-vUtvpUt8JkI8HWV1hbj7Ha4NIROKFoI392ebvayJzNj

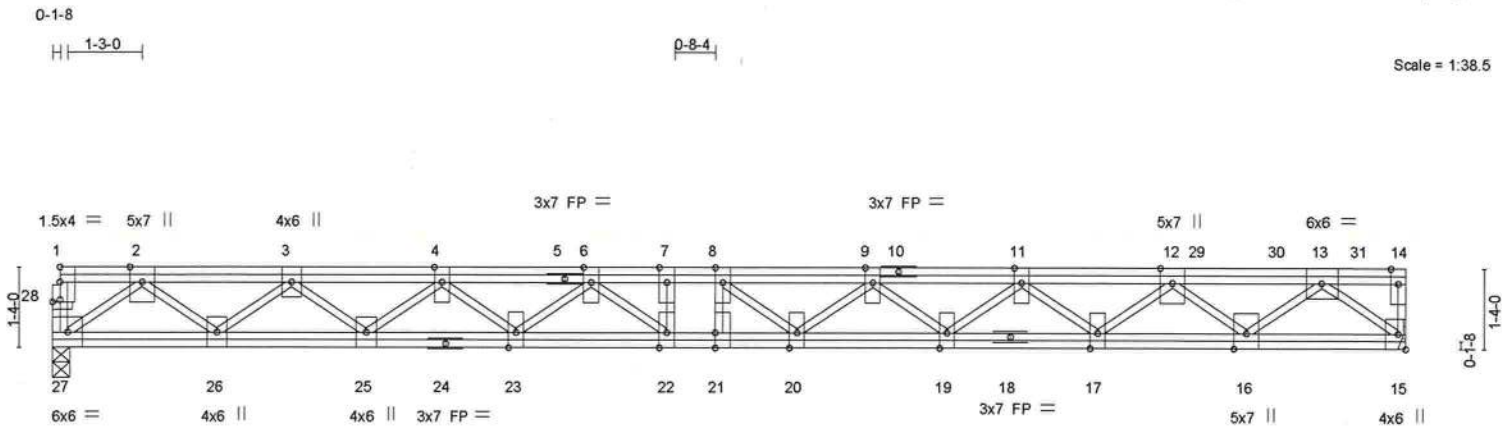


Plate Offsets (X,Y)-- [21:0-3-0,0-0-0], [28:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.29	20-21	>910	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.41	20-21	>660	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 178 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 27=871/0-3-8, 15=1351/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1801/0, 3-4=-3157/0, 4-6=-4078/0, 6-7=-4670/0, 7-8=-4670/0, 8-9=-4701/0, 9-11=-4433/0, 11-12=-3760/0, 12-13=-2443/0
BOT CHORD 26-27=0/1067, 25-26=0/2577, 23-25=0/3717, 22-23=0/4435, 21-22=0/4670, 20-21=0/4670, 19-20=0/4679, 17-19=0/4172, 16-17=0/3329, 15-16=0/1542
WEBS 13-15=-1999/0, 2-27=-1319/0, 13-16=0/1192, 2-26=0/973, 12-16=-1174/0, 3-26=-1027/0, 12-17=0/570, 3-25=0/768, 11-17=-545/0, 4-25=-740/0, 11-19=0/345, 4-23=0/478, 9-19=-326/0, 6-23=-473/0, 6-22=0/519, 8-20=-162/286

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x7 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down at 19-1-12, and 231 lb down at 20-5-12, and 231 lb down at 21-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 15-27=-7, 1-14=-67
Concentrated Loads (lb)
Vert: 29=-195(F) 30=-195(F) 31=-195(F)

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

November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	F03	Floor	8	1	T15560188
					Job Reference (optional)

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:53 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-NgRI0qum41Q?ug4DFIEMqocTRrjl_GACOiN8R0yJzNi

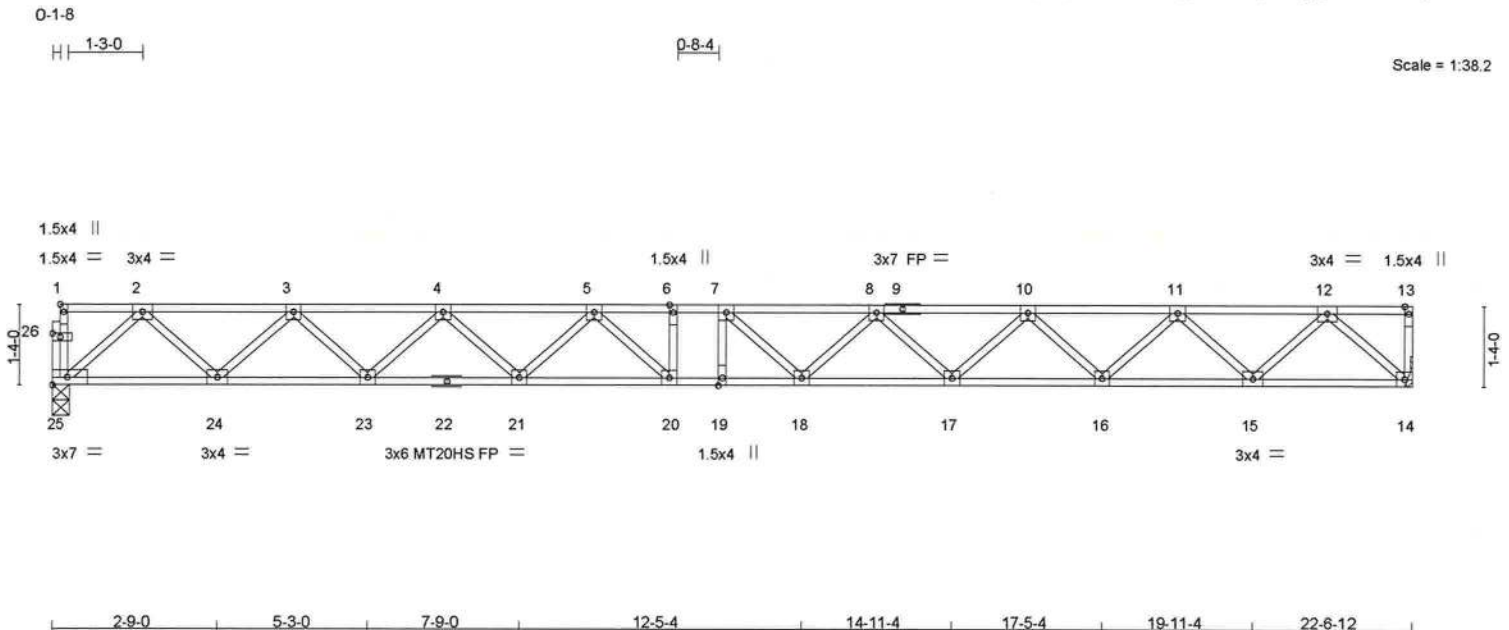


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [26:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.39	18-19	>689	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.54	18-19	>501	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 117 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat) *Except* 14-22: 2x4 SP No.1(flat)
WEBS	2x4 SP No.2(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-8-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 25=816/0-3-8, 14=820/Mechanical

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

TOP CHORD	2-3=-1553/0, 3-4=-2663/0, 4-5=-3382/0, 5-6=-3779/0, 6-7=-3779/0, 7-8=-3729/0, 8-10=-3376/0, 10-11=-2638/0, 11-12=-1522/0
BOT CHORD	24-25=0/892, 23-24=0/2196, 21-23=0/3111, 20-21=0/3645, 19-20=0/3779, 18-19=0/3779, 17-18=0/3647, 16-17=0/3090, 15-16=0/2169, 14-15=0/855
WEBS	12-14=-1162/0, 2-25=-1186/0, 12-15=0/927, 2-24=0/920, 11-15=-901/0, 3-24=-894/0, 11-16=0/652, 3-23=0/650, 10-16=-629/0, 4-23=-623/0, 10-17=0/397, 4-21=0/377, 8-17=-376/0, 5-21=-366/0, 8-18=-72/258, 5-20=-118/389, 7-18=-283/170

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x3 MT20 unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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

November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	F04	Floor	5	1	T15560189

Job Reference (optional)

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:54 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-rt_gDAvOrLYsWqfPp0IbM?9jPF9BjIQMdM7izSyJzNh

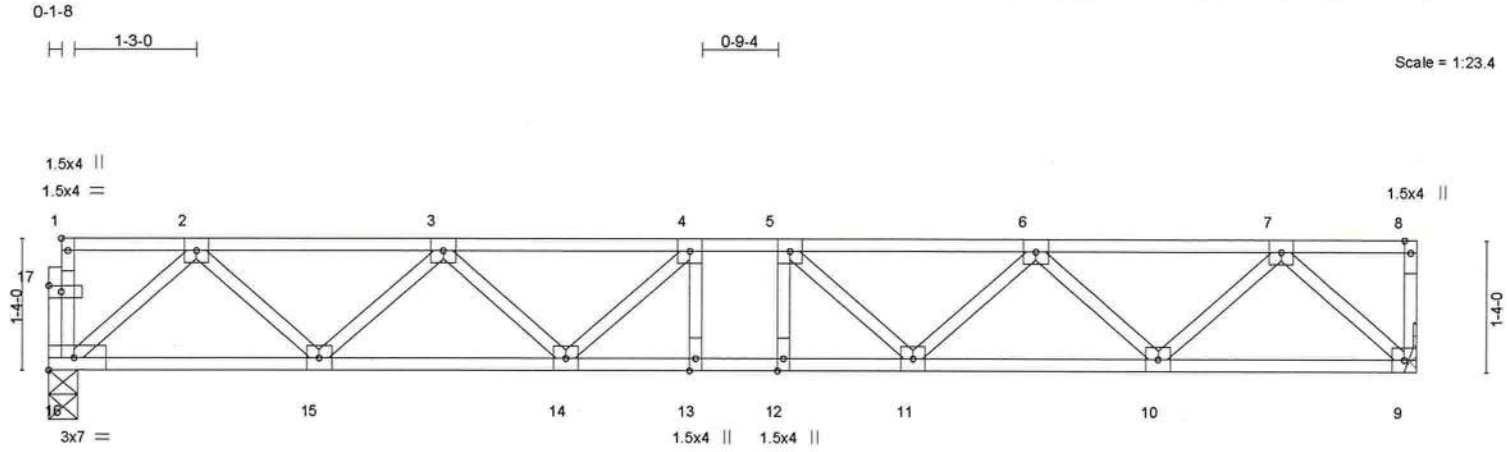


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [17:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.06	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.08	13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 74 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)

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) 16=498/0-3-8, 9=503/Mechanical

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

TOP CHORD	2-3=-867/0, 3-4=-1313/0, 4-5=-1434/0, 5-6=-1307/0, 6-7=-851/0
BOT CHORD	15-16=0/531, 14-15=0/1184, 13-14=0/1434, 12-13=0/1434, 11-12=0/1434, 10-11=0/1173, 9-10=0/510
WEBS	7-9=-693/0, 2-16=-705/0, 7-10=0/474, 2-15=0/468, 6-10=-447/0, 3-15=-441/0

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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

November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	F05	Floor	3	1	T15560190
					Job Reference (optional)

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:55 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-J3Y2RWv0cfhi8zEcMjGqvDiwHeaPSE1Vr0sFWuyJzNg

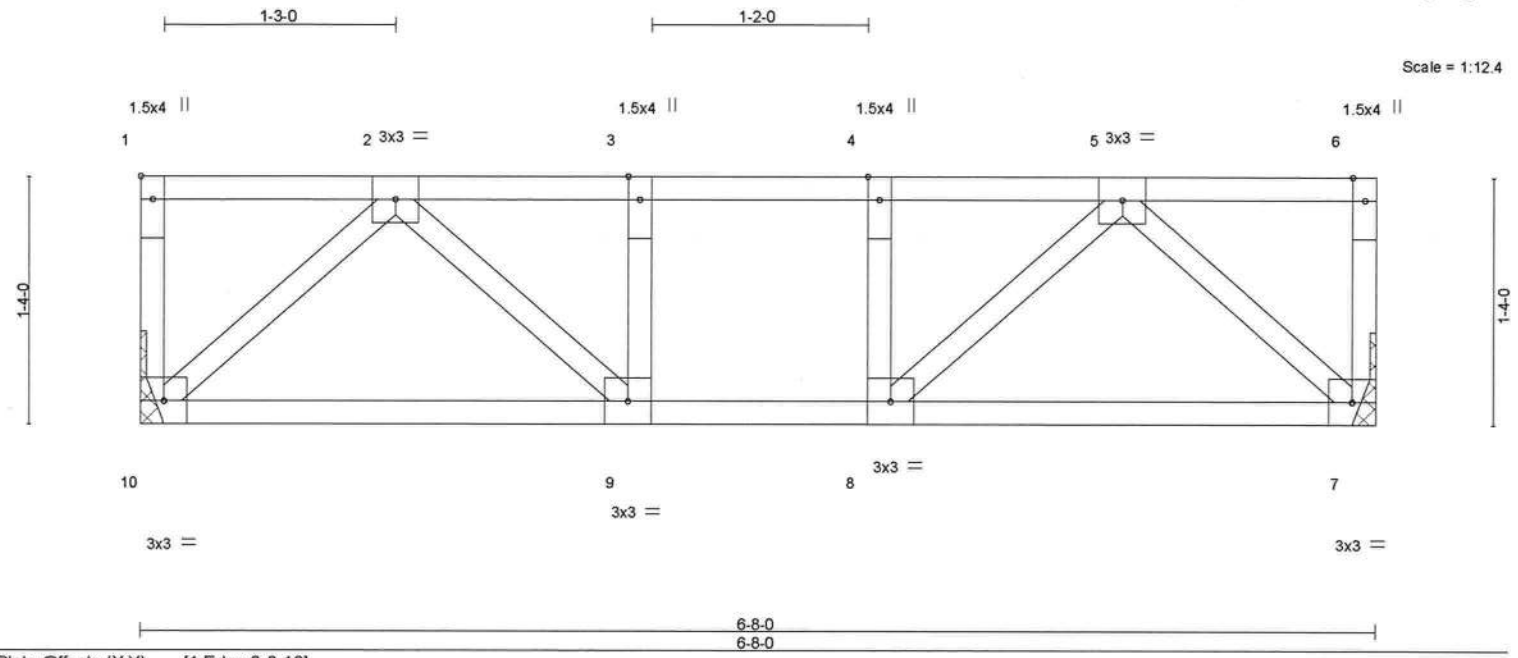


Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.01	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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=240/Mechanical, 10=240/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-320/0, 3-4=-320/0, 4-5=-320/0
BOT CHORD 8-9=0/320
WEBS 5-7=-291/0, 2-10=-291/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	F06	Floor	15	1	Job Reference (optional)	T15560191

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:55 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-J3Y2RWv0cfhi8zEcMjGqvDivkeZ7SEwVr0sFWuyJzNg

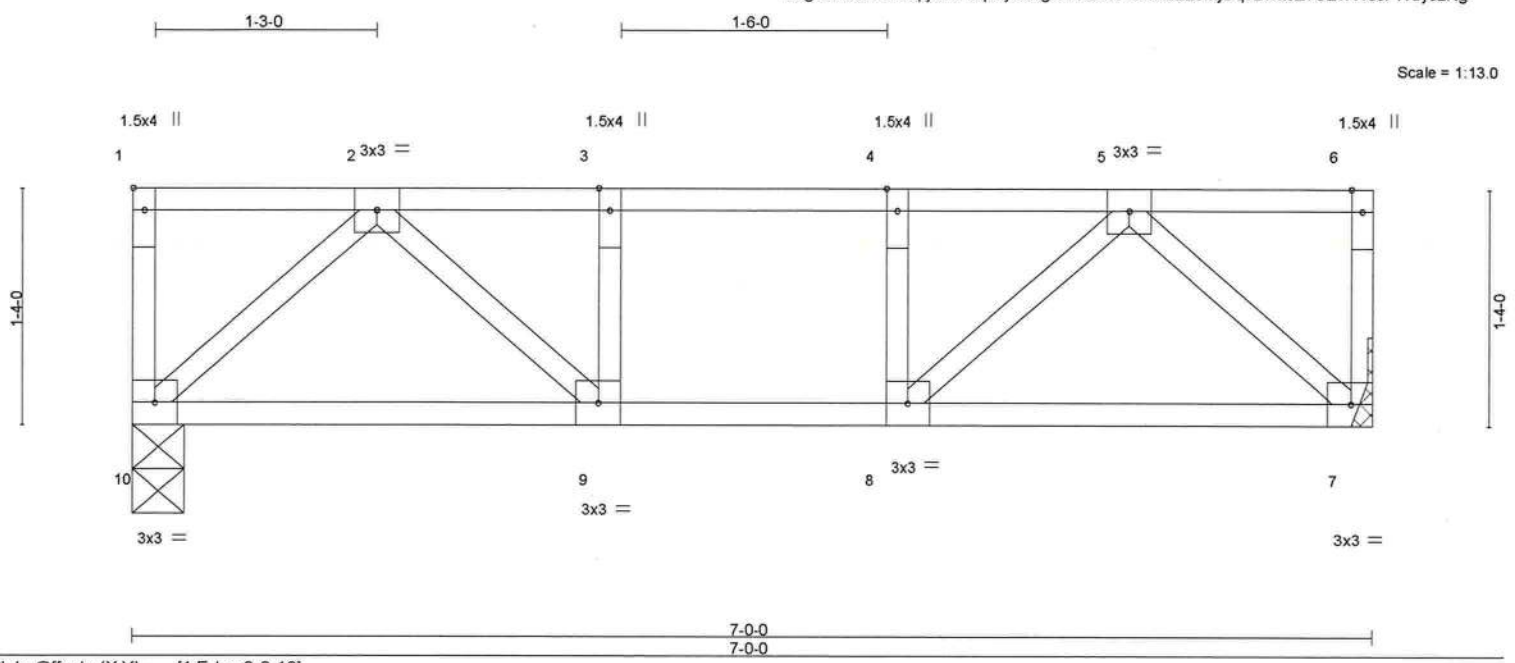


Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.14	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.02	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 37 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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=252/Mechanical, 10=252/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-350/0, 3-4=-350/0, 4-5=-350/0
BOT CHORD 8-9=0/350
WEBS 5-7=-308/0, 2-10=-308/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

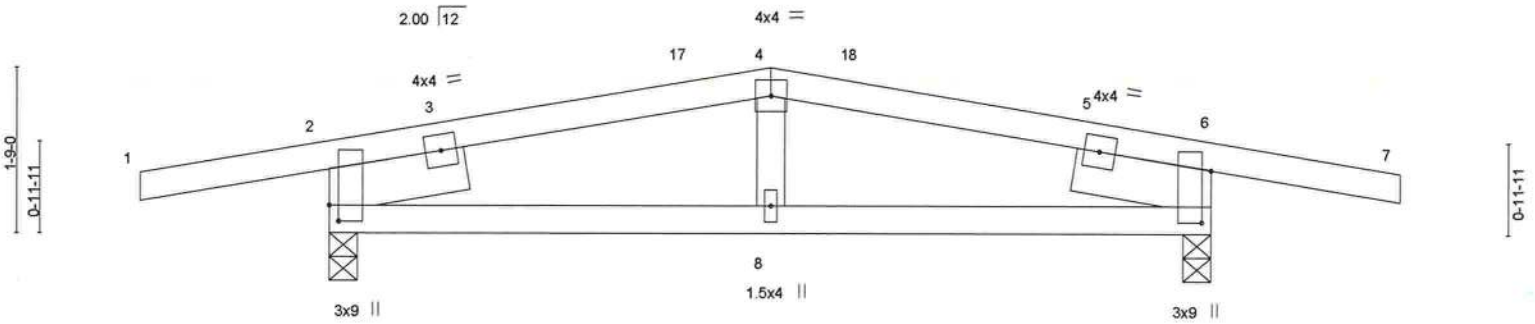
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	G1	Common	5	1	Job Reference (optional)	T15560192

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:56 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-nF6QerweNypZI7powRn3SQE3e2tGBhZf4gcp2LyJzNf

-2-0-0	4-8-0	9-4-0	11-4-0
2-0-0	4-8-0	4-8-0	2-0-0

Scale = 1:24.4



4-8-0	9-4-0
4-8-0	4-8-0

Plate Offsets (X,Y)-- [2:0-2-0,0-1-3], [6:0-6-10,0-1-3]

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	0.26	Vert(LL)	-0.02	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.04	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 43 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) 2=493/0-3-8, 6=493/0-3-8
Max Horz 2=9(LC 8)
Max Uplift 2=-65(LC 8), 6=-65(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-517/157, 4-6=-517/157
BOT CHORD 2-8=-109/488, 6-8=-109/488

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.
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.

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

November 12,2018

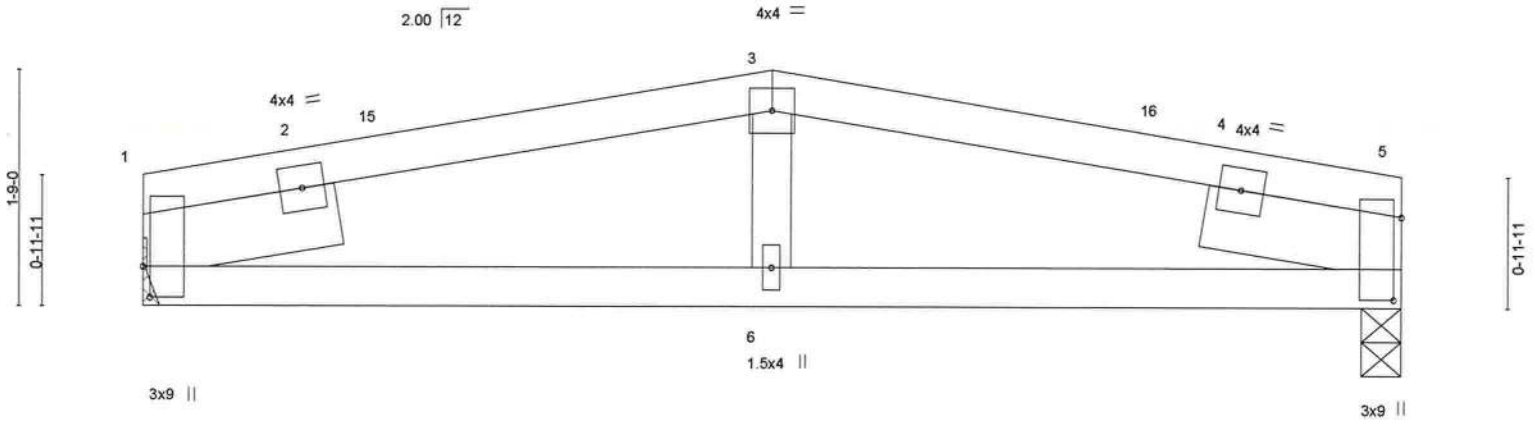
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	G2	Common	3	1	Job Reference (optional)	T15560193

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:57 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-FRgosBxH8GxQNHO_U8JI_enEKSDbw8noJKLManyJzNe

4-8-0 | 9-4-0
4-8-0 | 4-8-0

Scale = 1:17.1



4-8-0 | 9-4-0
4-8-0 | 4-8-0

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

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)	-0.02	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.04	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 37 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) 1=373/Mechanical, 5=373/0-3-8
Max Horz 1=1(LC 8)
Max Uplift 1=-9(LC 8), 5=-9(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-617/223, 3-5=-617/223
BOT CHORD 1-6=-191/588, 5-6=-191/588

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) 1, 5.
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.

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

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J1	Jack-Open	7	1		T15560194
					Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:58 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-jeEB3Xyvva3H?RyB2sqXXrKIssT_fbUyXz5v6DyJzNd

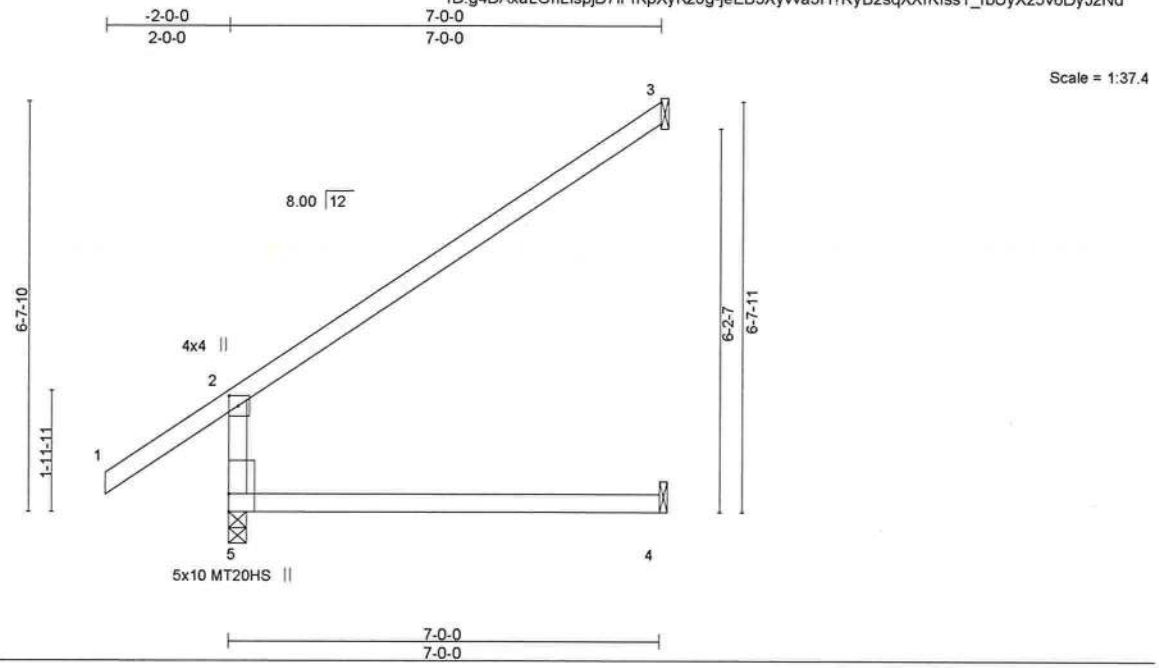


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.14	4-5	>566	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.23	4-5	>358	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.26	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 29 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=180/Mechanical, 4=71/Mechanical
Max Horz 5=195(LC 12)
Max Uplift 3=-81(LC 12)
Max Grav 5=421(LC 1), 3=191(LC 17), 4=126(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-356/141

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

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

November 12,2018

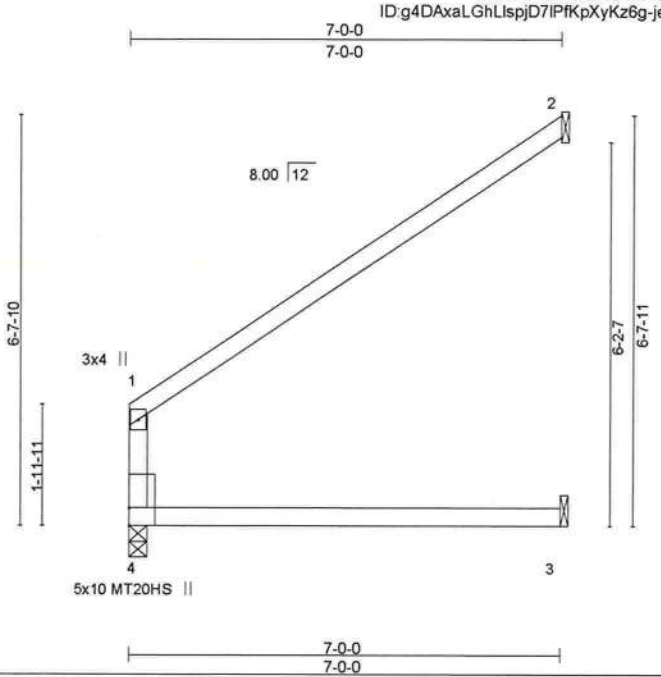
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	J1A	Jack-Open	5	1	T15560195

Job Reference (optional)

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:58 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-jeEB3Xyvva3H?RyB2sqXXrKIBsUNfbUyXz5v6DyJzNd



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)	0.14	3-4	>572	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.24	3-4	>345	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.28	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 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=272/0-3-8, 2=194/Mechanical, 3=78/Mechanical
Max Horz 4=143(LC 12)
Max Uplift 2=-83(LC 12)
Max Grav 4=272(LC 1), 2=203(LC 17), 3=129(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) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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.
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.

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

November 12,2018

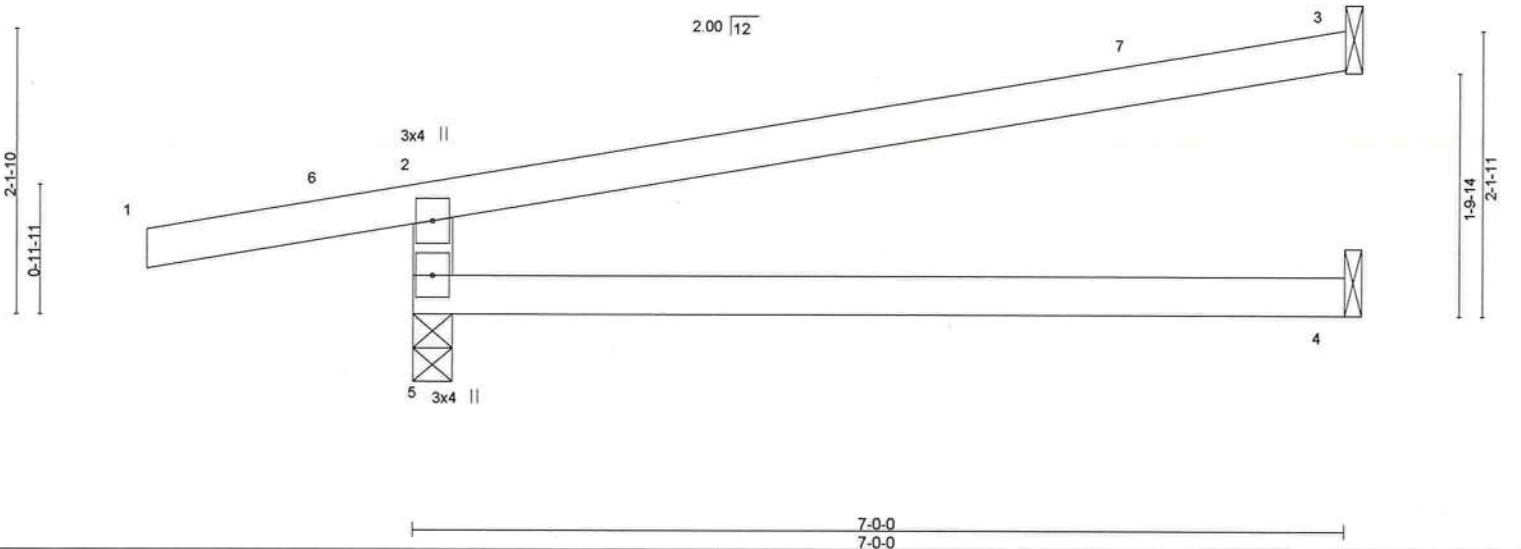
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J1B	Jack-Open	13	1	Job Reference (optional)	T15560196

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:21:59 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-BqoZHtzXgtB8dbXNbZLm33sV3GsVO2k5mdqTfgyJzNc

-2-0-0 7-0-0
2-0-0 7-0-0

Scale = 1:17.3



7-0-0
7-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.22	4-5	>379	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.20	4-5	>409	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.07	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 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=180/Mechanical, 4=71/Mechanical
Max Horz 5=54(LC 12)
Max Uplift 5=-126(LC 8), 3=-49(LC 9), 4=-21(LC 9)
Max Grav 5=421(LC 1), 3=180(LC 1), 4=123(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-356/266

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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=126.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

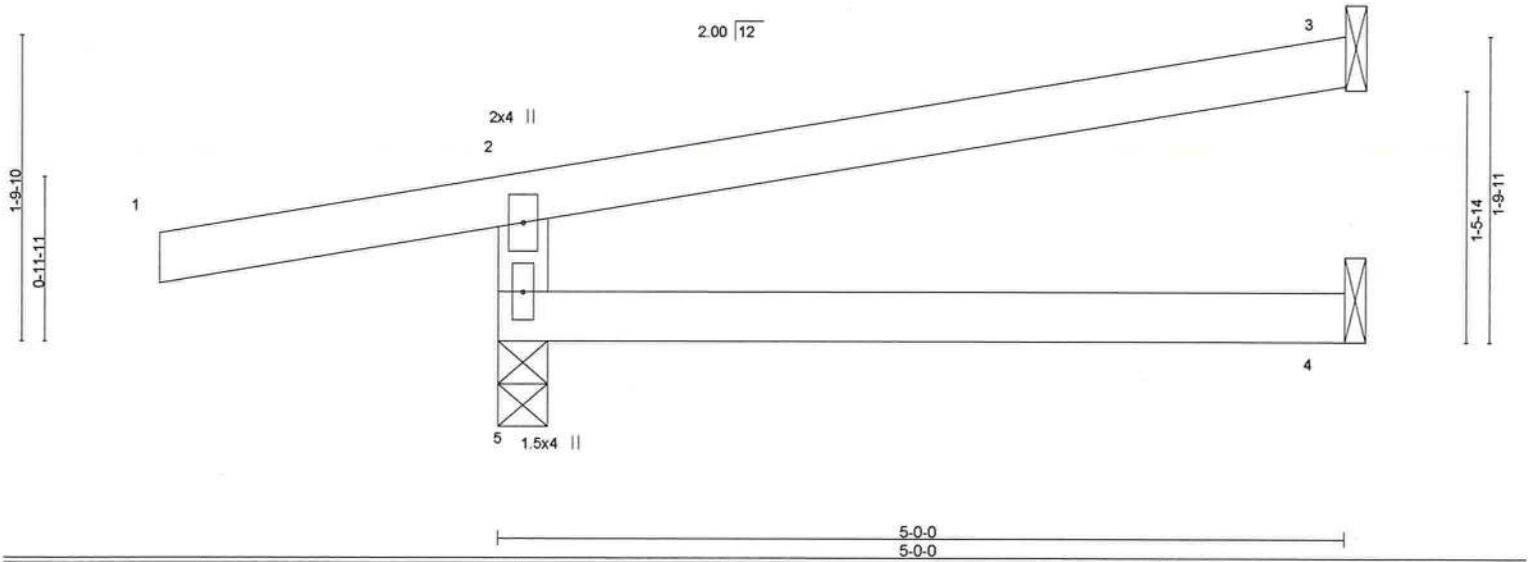
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J1C	Jack-Open	14	1	Job Reference (optional)	T15560197

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:00 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-g0MxUDz9RBJ?El6Z9Hs?cGPkDfGw7U_E?Ha0B6yJzNb

-2-0-0 / 2-0-0 — 5-0-0 / 5-0-0

Scale = 1:13.6



5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.05	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)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 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=45/Mechanical
Max Horz 5=46(LC 12)
Max Uplift 5=-111(LC 8), 3=-33(LC 9), 4=-15(LC 9)
Max Grav 5=349(LC 1), 3=117(LC 1), 4=86(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-299/240

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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=111.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J2	Jack-Open	8	1	Job Reference (optional)	T15560198

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:00 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-g0MxUDz9RBJ?EI6Z9Hs?cGPjIfDI7U_E?Ha0B6yJzNb

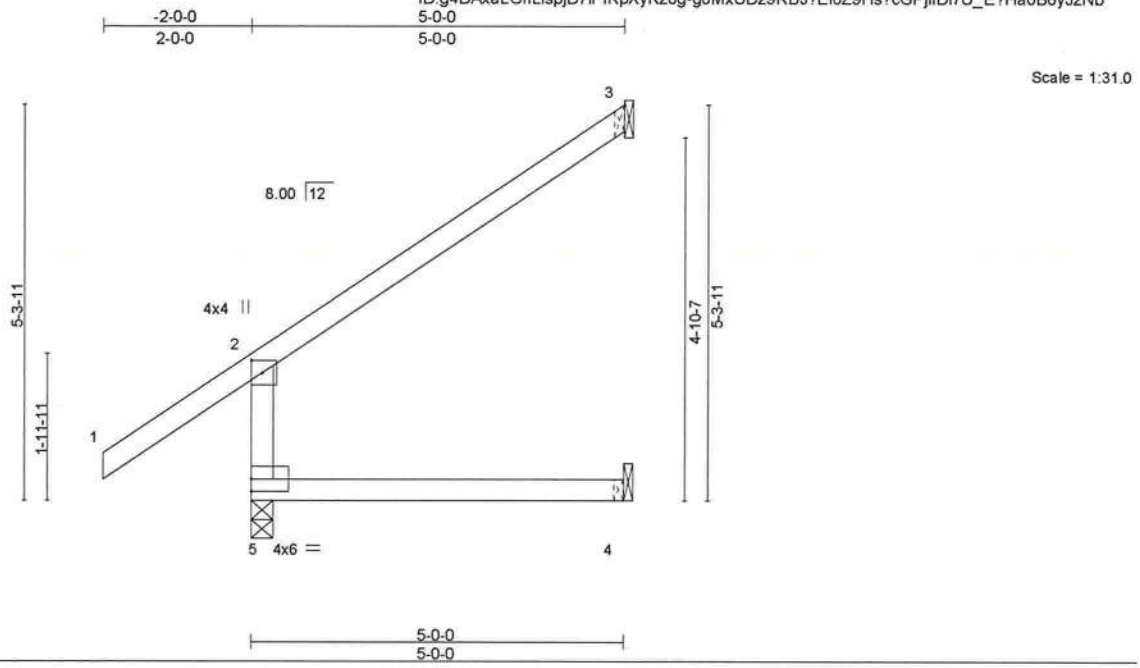


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.05	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.07	4-5	>857	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.12	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 22 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=163(LC 12)
Max Uplift 3=-61(LC 12)
Max Grav 5=349(LC 1), 3=128(LC 17), 4=89(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-300/134

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) 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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

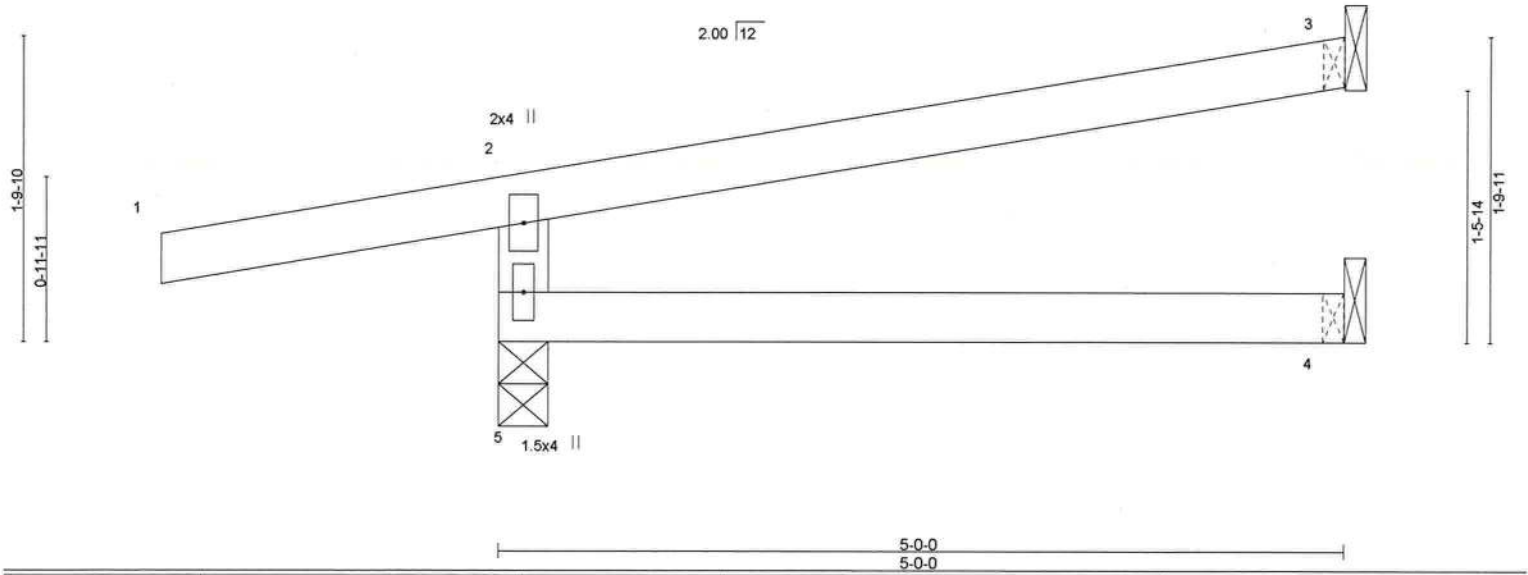
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J2B	Jack-Open	6	1	Job Reference (optional)	T15560199

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:01 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-8DvJhZ_nCVRssuhlj_NE9Uyvz3b9sxEOExJajYyJzNa

-2-0-0 5-0-0
2-0-0 5-0-0

Scale = 1:13.6



5-0-0
5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.05	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)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 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=45/Mechanical
Max Horz 5=46(LC 12)
Max Uplift 5=-111(LC 8), 3=-33(LC 9), 4=-15(LC 9)
Max Grav 5=349(LC 1), 3=117(LC 1), 4=86(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-299/240

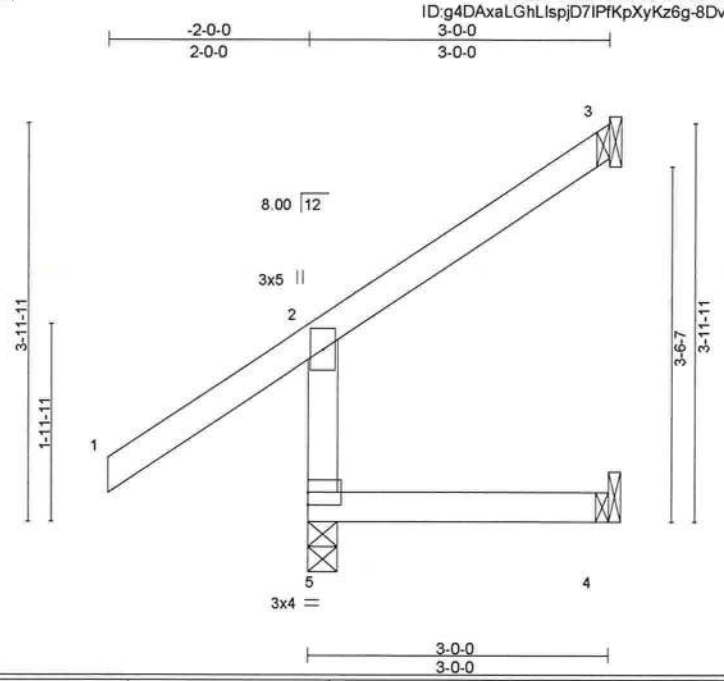
NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=111.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J3	Jack-Open	8	1	Job Reference (optional)	T15560200

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:01 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-8DvJhZ_nCVRssuhlj_NE9UyvX3aisxEOExJajYyJzNa



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)	0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 16 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=45/Mechanical, 4=18/Mechanical
Max Horz 5=131(LC 12)
Max Uplift 3=-38(LC 12), 4=-15(LC 12)
Max Grav 5=290(LC 1), 3=58(LC 17), 4=50(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-252/130

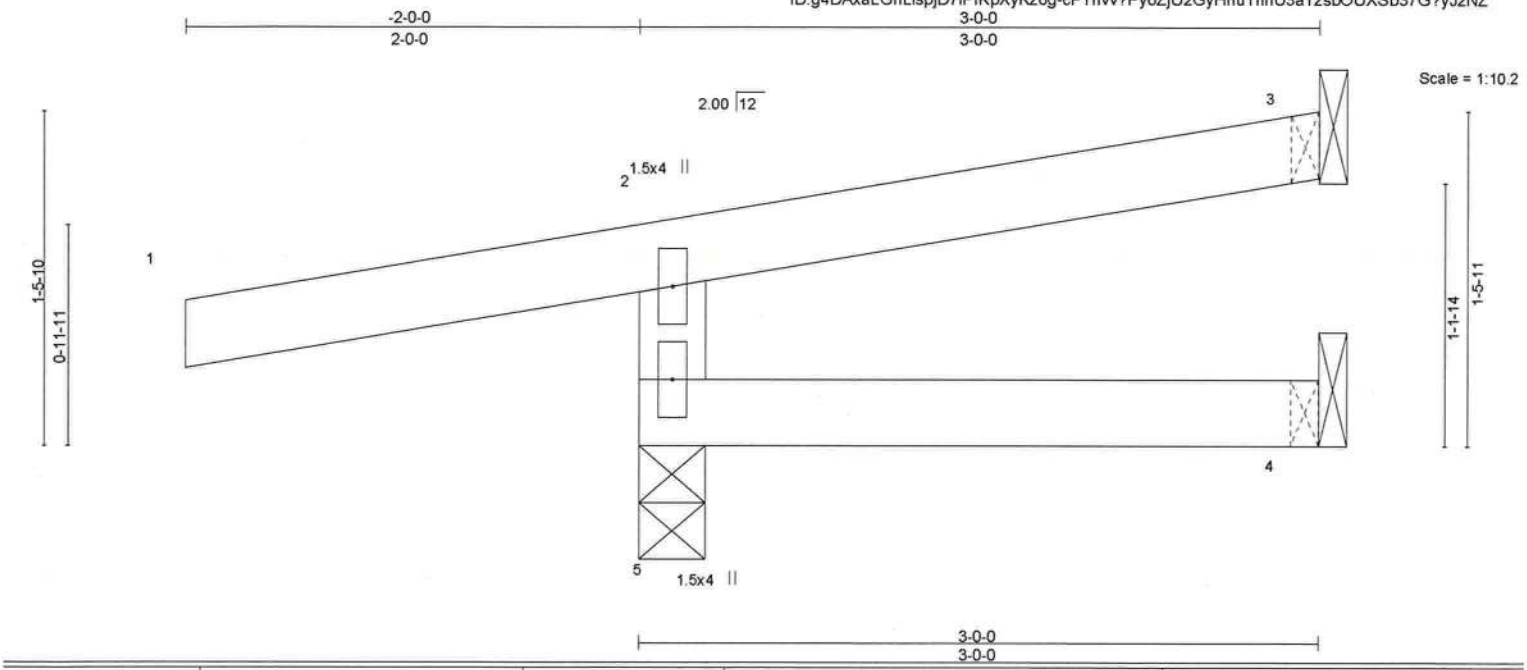
NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & 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) 3, 4.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J3B	Jack-Open	14	1	Job Reference (optional)	T15560201

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:02 2018 Page 1
ID:g4DAxaLGhLlspjD7lPfKpXyKz6g-cPThvv?PyoZjU2GyHhuThhU3aTzsbOUXSb37G?yJzNZ



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	4-5	>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: 13 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=47/Mechanical, 4=15/Mechanical
Max Horz 5=38(LC 12)
Max Uplift 5=-101(LC 8), 3=-17(LC 9), 4=-9(LC 9)
Max Grav 5=290(LC 1), 3=47(LC 1), 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=101.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

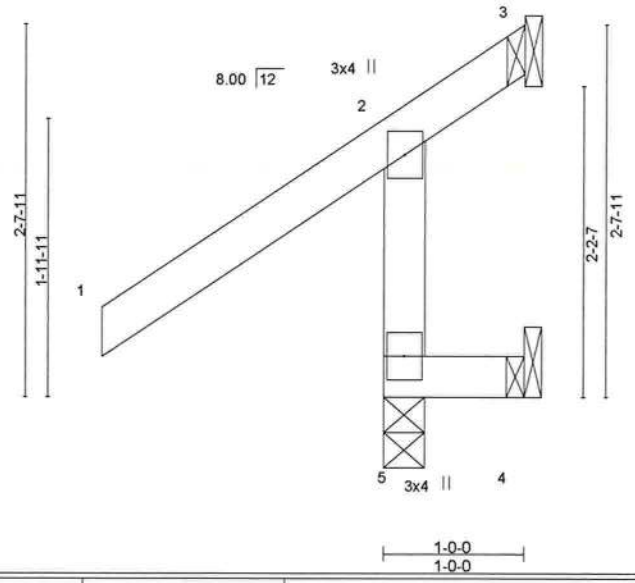
Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J4	Jack-Open	8	1	Job Reference (optional)	T15560202

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:03 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-4b136F01j6ha5Cr8qPPiEv1E1tlxKrjhhFogoRyJzNY

-2-0-0 2-0-0 | 1-0-0 1-0-0

Scale = 1:16.4



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	0.31	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.00	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: 9 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=-114/Mechanical, 4=-17/Mechanical
Max Horz 5=100(LC 12)
Max Uplift 5=-14(LC 8), 3=-114(LC 1), 4=-72(LC 12)
Max Grav 5=327(LC 1), 3=17(LC 8), 4=36(LC 10)

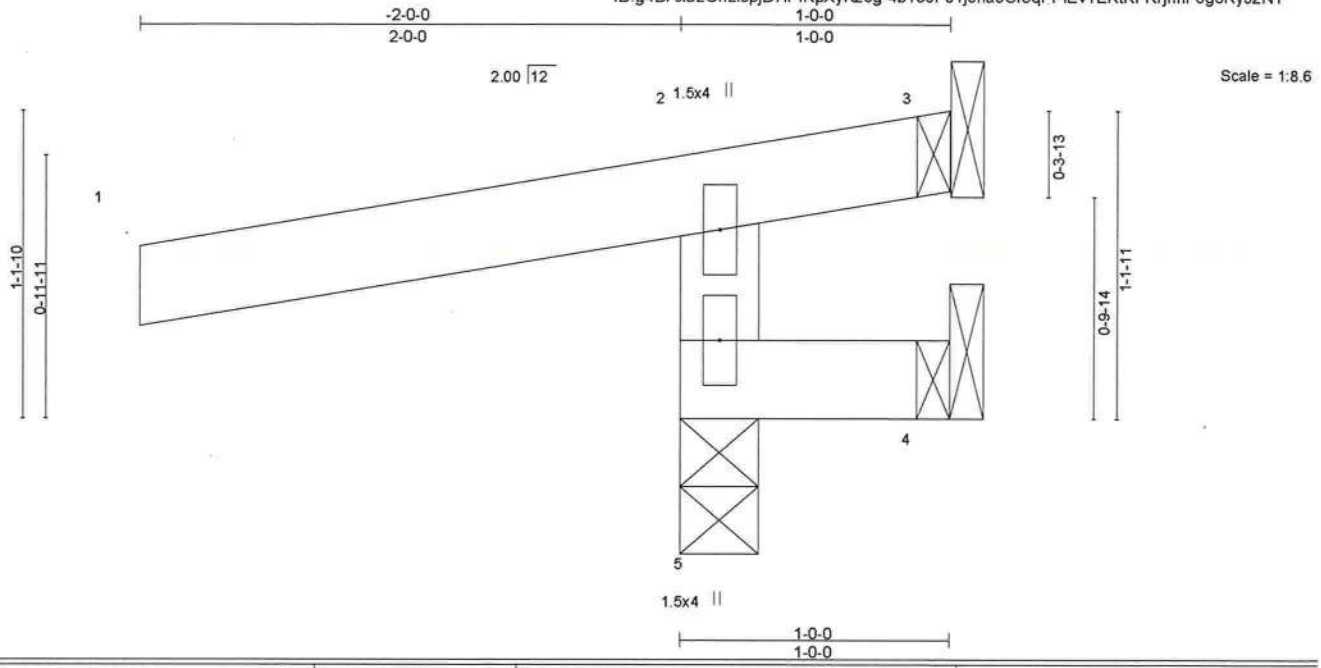
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-293/195

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, 4 except (jt=lb) 3=114.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	J4B	JACK-OPEN	14	1	Job Reference (optional)	T15560203

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:03 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-4b136F01j6ha5Cr8qPPiEv1EKtKFKrjhhFogoRyJzNY



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	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: 7 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=-101/Mechanical, 4=-29/Mechanical
Max Horz 5=30(LC 12)
Max Uplift 5=-131(LC 8), 3=-101(LC 1), 4=-29(LC 1)
Max Grav 5=327(LC 1), 3=47(LC 8), 4=10(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-281/250

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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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 except (jt=lb) 5=131, 3=101.

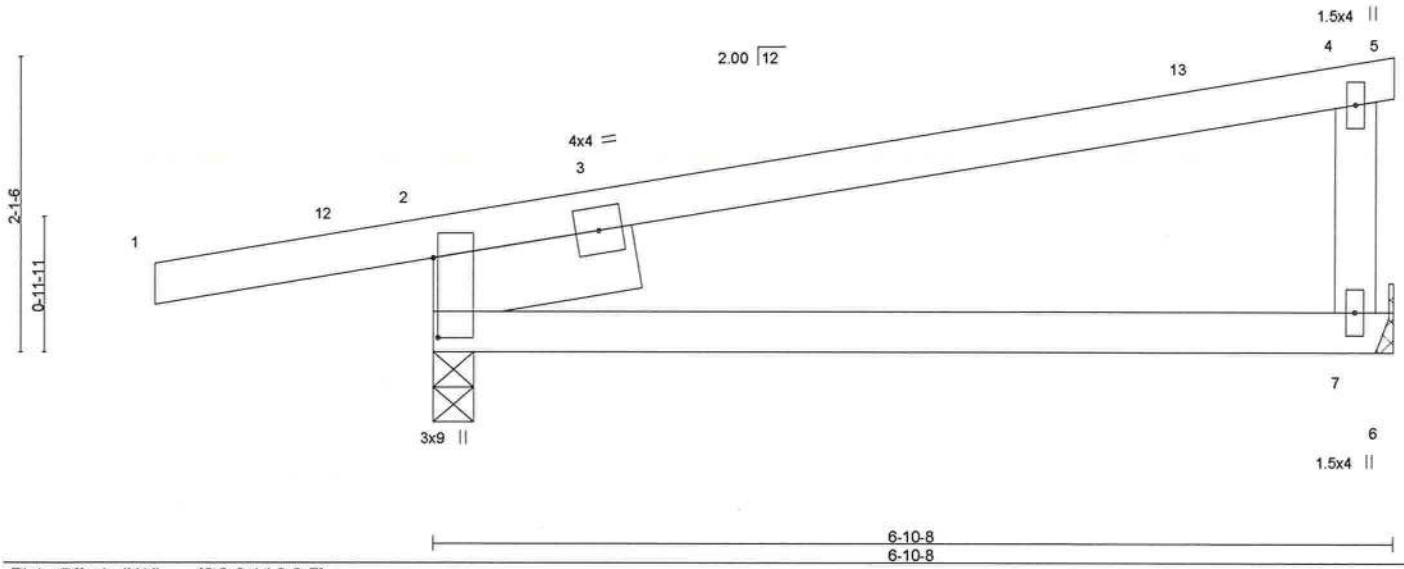
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	M1	Monopitch	20	1	Job Reference (optional)	T15560204

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:04 2018 Page 1
ID:g4DAxaLGhLlspjD7IPfKpXyKz6g-YobSKb0gUQpRjMQKO6xxm6aLXHap3IzqwvYEKtyJzNX

-2-0-0 2-0-0 | 6-10-8 6-10-8

Scale = 1:16.5



6-10-8 6-10-8

Plate Offsets (X,Y)-- [2:0-6-14,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.19	7-10	>425	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.16	7-10	>499	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 29 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) 7=257/Mechanical, 2=402/0-3-8
Max Horz 2=59(LC 9)
Max Uplift 7=-54(LC 8), 2=-123(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-258/198

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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) 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) 7 except (jt=lb) 2=123.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Spec House	
SPEC_HOUSE	M2	Monopitch	8	1	Job Reference (optional)	T15560205

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

8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:05 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-0_9qXw1IFjxILW?XyqSAJK6bRg?8oID_8ZHnsJyJzNW

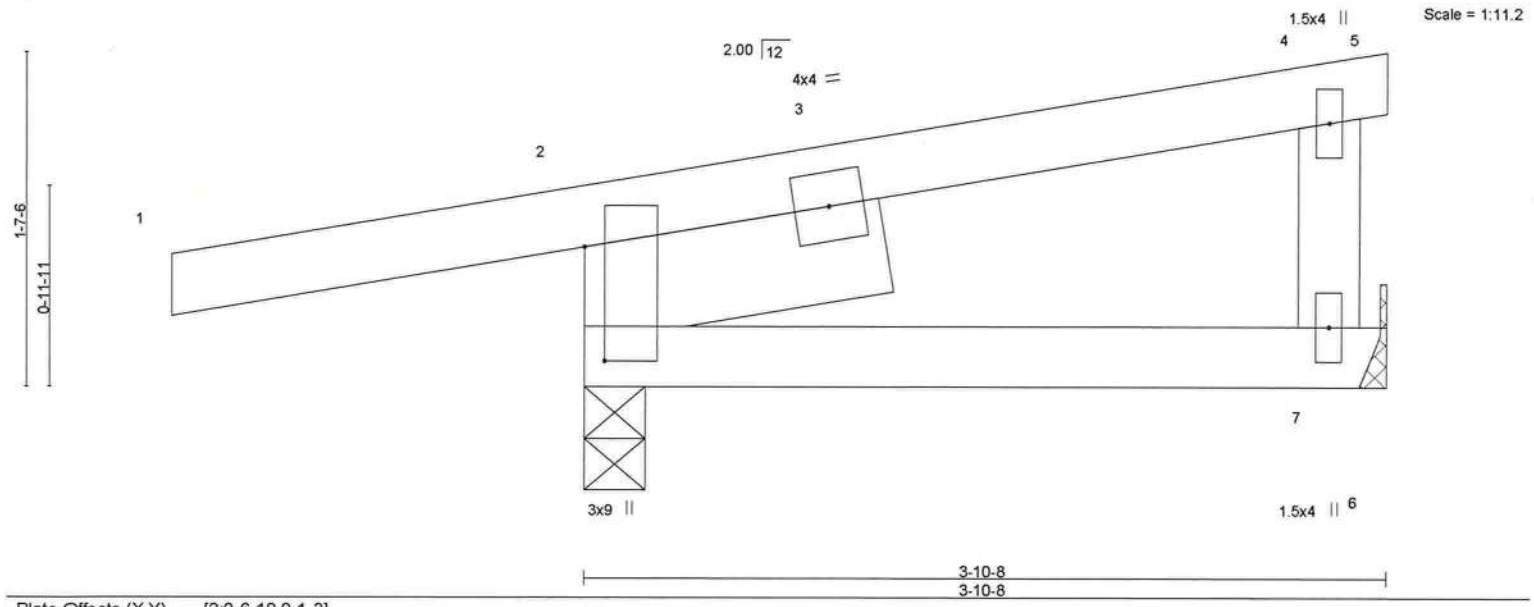


Plate Offsets (X,Y)-- [2:0-6-10,0-1-3]

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	0.25	Vert(LL)	-0.01	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	7-10	>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-MP							Weight: 20 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 or 3-10-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=122/Mechanical, 2=297/0-3-8
Max Horz 2=40(LC 9)
Max Uplift 7=-6(LC 9), 2=-69(LC 8)

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) 7, 2.

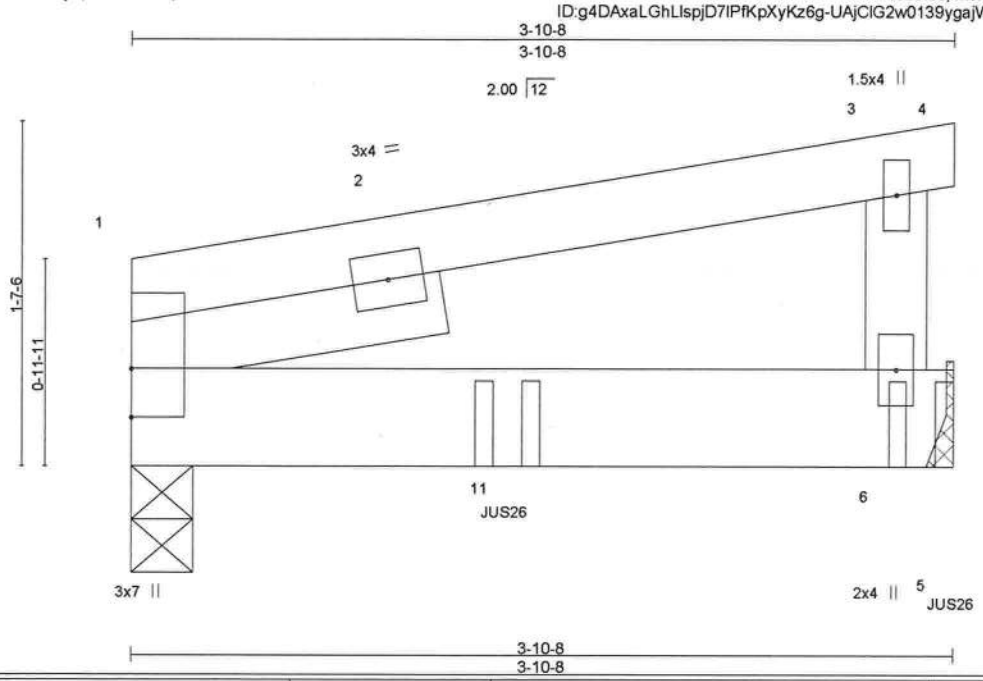
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 12,2018

Job	Truss	Truss Type	Qty	Ply	Spec House
SPEC_HOUSE	M3GIR	Monopitch Girder	1	2	T15560206

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Oct 6 2018 MiTek Industries, Inc. Mon Nov 12 09:22:06 2018 Page 1
ID:g4DAxaLGhLIspjD7IPfKpXyKz6g-UAjCIG2w0139ygajWXzPsXfoL4K_XCT7ND1KPmyJzNV



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	0.11	Vert(LL)	-0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.01	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 37 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=323/0-3-8, 6=691/Mechanical
Max Horz 1=32(LC 5)
Max Uplift 1=-13(LC 4), 6=-36(LC 5)

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

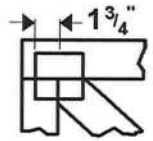
NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
8) Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-1-4 oc max. starting at 1-9-4 from the left end to 3-10-8 to connect truss(es) to back face of bottom chord.
9) 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
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 5-7=-20
Concentrated Loads (lb)
Vert: 6=-362(B) 11=-353(B)

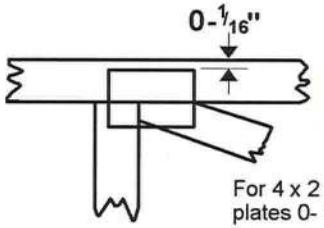
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 12,2018

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

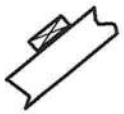
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

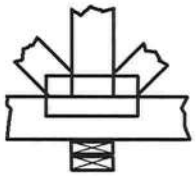
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

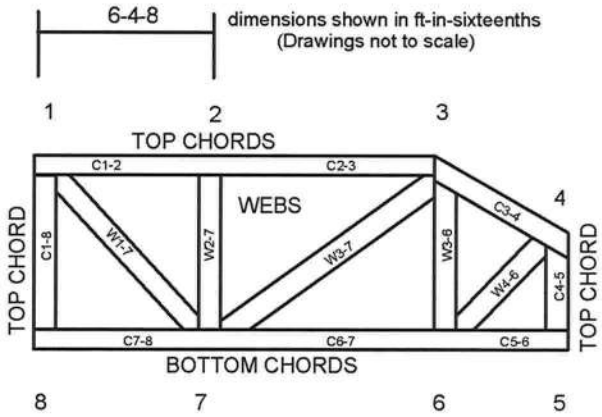


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS
ICC-ES Reports:

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

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

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

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.