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

RE: tamela_mueller - Tamela Mueller

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

Site Information:

Customer Info: Lee Holloway 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):

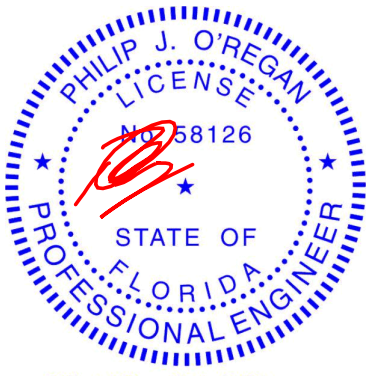
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 67 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	T23220329	A1GIR	3/17/21	23	T23220351	C6	3/17/21
2	T23220330	A2	3/17/21	24	T23220352	C7	3/17/21
3	T23220331	A3	3/17/21	25	T23220353	C8	3/17/21
4	T23220332	A4	3/17/21	26	T23220354	C9	3/17/21
5	T23220333	A5	3/17/21	27	T23220355	C10	3/17/21
6	T23220334	A6	3/17/21	28	T23220356	C11GIR	3/17/21
7	T23220335	A7	3/17/21	29	T23220357	CJ01	3/17/21
8	T23220336	A8	3/17/21	30	T23220358	CJ02	3/17/21
9	T23220337	A9	3/17/21	31	T23220359	CJ03	3/17/21
10	T23220338	A10	3/17/21	32	T23220360	CJ04	3/17/21
11	T23220339	B1GE	3/17/21	33	T23220361	D1GIR	3/17/21
12	T23220340	B2	3/17/21	34	T23220362	D2	3/17/21
13	T23220341	B3	3/17/21	35	T23220363	D3	3/17/21
14	T23220342	B4	3/17/21	36	T23220364	E1	3/17/21
15	T23220343	B5	3/17/21	37	T23220365	E2	3/17/21
16	T23220344	B6	3/17/21	38	T23220366	E3	3/17/21
17	T23220345	B7	3/17/21	39	T23220367	G01	3/17/21
18	T23220346	C1GIR	3/17/21	40	T23220368	G02	3/17/21
19	T23220347	C2	3/17/21	41	T23220369	H12	3/17/21
20	T23220348	C3	3/17/21	42	T23220370	H13	3/17/21
21	T23220349	C4	3/17/21	43	T23220371	J1	3/17/21
22	T23220350	C5	3/17/21	44	T23220372	J1A	3/17/21

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, 2023.



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

March 17,2021

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

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

RE: tamela_mueller - Tamela Mueller

Site Information:

Customer Info: Lee Holloway Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FL

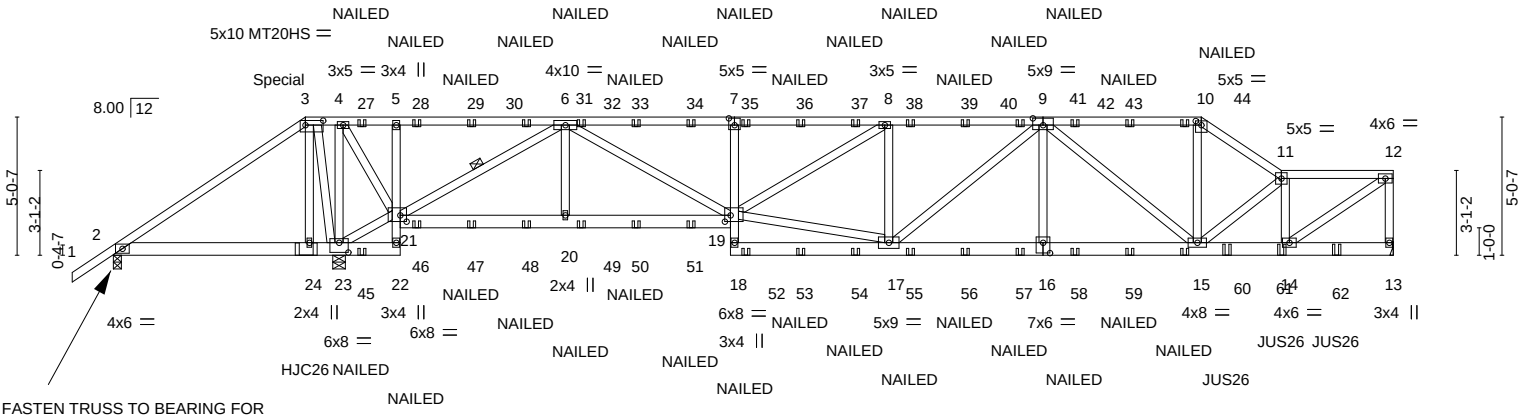
No.	Seal#	Truss Name	Date
45	T23220373	J1B	3/17/21
46	T23220374	J1C	3/17/21
47	T23220375	J2	3/17/21
48	T23220376	J3	3/17/21
49	T23220377	J4	3/17/21
50	T23220378	J08	3/17/21
51	T23220379	J10	3/17/21
52	T23220380	J11	3/17/21
53	T23220381	PB01	3/17/21
54	T23220382	PB02	3/17/21
55	T23220383	PB03	3/17/21
56	T23220384	PB04	3/17/21
57	T23220385	PB05	3/17/21
58	T23220386	PB06	3/17/21
59	T23220387	PB07	3/17/21
60	T23220388	PB08	3/17/21
61	T23220389	PB09	3/17/21
62	T23220390	PB10	3/17/21
63	T23220391	PB11	3/17/21
64	T23220392	PB12	3/17/21
65	T23220393	PB13	3/17/21
66	T23220394	PB14	3/17/21
67	T23220395	T04	3/17/21

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A1GIR	Roof Special Girder	1	2	T23220329
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:03 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-k_MLvpb_f3p5lMvLVvrrBSR7NjK766DaPTVSD?zaPCU

1-6-0	7-0-0	8-2-12	10-5-8	16-5-12	22-6-0	28-3-4	33-10-12	39-8-0	42-7-0	46-8-0
1-6-0	7-0-0	1-2-12	2-2-12	6-0-4	6-0-4	5-9-4	5-7-8	5-9-4	2-11-0	4-1-0

Scale = 1:84.0



FASTEN TRUSS TO BEARING FOR THE UPLIFT REACTION SHOWN WHILE PERMITTING NO UPWARD MOVEMENT OF THE BEARING.

7-0-0	8-2-12	10-5-8	16-5-12	22-6-0	28-3-4	33-10-12	39-8-0	42-7-0	46-8-0
7-0-0	1-2-12	2-2-12	6-0-4	6-0-4	5-9-4	5-7-8	5-9-4	2-11-0	4-1-0

Plate Offsets (X,Y)-- [3:0-7-12,0-2-0], [7:0-2-8,0-3-0], [9:0-4-8,0-3-0], [10:0-2-8,0-1-13], [16:0-3-0,0-4-8], [19:0-2-8,0-2-12], [21:0-2-12,0-2-12], [23:0-4-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.18	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.36	17-18	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 651 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 5-22,7-18: 2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-21

REACTIONS. (size) 13=Mechanical, 2=0-3-8, 23=0-5-8
Max Horz 2=200(LC 24)
Max Uplift 13=-626(LC 8), 2=-2143(LC 18), 23=-1638(LC 8)
Max Grav 13=2905(LC 18), 2=294(LC 5), 23=7226(LC 1)

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

TOP CHORD 2-3=-784/4217, 3-4=-777/4162, 4-5=-625/3262, 5-6=-616/3223, 6-7=-4883/1072, 7-8=-4839/1069, 8-9=-4946/1123, 9-10=-3503/837, 10-11=-4152/950, 11-12=-3635/830, 12-13=-2704/610

BOT CHORD 2-24=-3459/709, 23-24=-3459/704, 22-23=-373/39, 21-22=-359/115, 5-21=-583/291, 20-21=-265/1795, 19-20=-265/1795, 18-19=0/268, 7-19=-695/358, 17-18=-115/551, 16-17=-985/4850, 15-16=-985/4850, 14-15=-778/3750

WEBS 3-23=-2928/866, 4-23=-1656/274, 21-23=-4204/982, 4-21=-308/1825, 6-21=-5830/1143, 6-20=0/578, 6-19=-820/3594, 17-19=-881/4477, 8-17=-615/315, 9-16=0/460, 9-15=-1799/385, 10-15=-292/1821, 11-15=-415/131, 11-14=-2162/494, 12-14=-958/4400

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, 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Refer to girder(s) for truss to truss connections.

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:
March 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 13, 2143 lb uplift at joint 2 and 1638 lb uplift at joint 23.
12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
13) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to front face of bottom chord.
14) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 40-7-4 from the left end to 44-7-4 to connect truss(es) to front face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 258 lb down and 236 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-10=-60, 10-11=-60, 11-12=-60, 2-22=-20, 19-21=-20, 13-18=-20
   Concentrated Loads (lb)
   Vert: 3=-165(F) 24=-493(F) 14=-245(F) 27=-126(F) 28=-108(F) 29=-108(F) 31=-108(F) 32=-108(F) 33=-108(F) 34=-108(F) 35=-126(F) 36=-126(F) 37=-126(F) 38=-126(F) 39=-126(F) 41=-126(F) 42=-126(F) 43=-126(F) 44=-126(F) 45=-62(F) 46=-80(F) 47=-80(F) 48=-80(F) 49=-80(F) 50=-80(F) 51=-80(F) 52=-62(F) 53=-62(F) 54=-62(F) 55=-62(F) 56=-62(F) 57=-62(F) 58=-62(F) 59=-62(F) 60=-62(F) 61=-252(F) 62=-234(F)

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A2	Roof Special	1	1	T23220330
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.430 s Dec 17 2020 MiTek Industries, Inc. Wed Mar 17 09:58:08 2021 Page 1

ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-PNe4LnHLq6RYKI1kGN3KOXSYUkoMqy9jucUIjlza3Vz

1-6-0	4-8-7	9-0-0	10-5-8	16-5-12	22-6-0	30-1-0	37-8-0	44-5-8	46-8-0
1-6-0	4-8-7	4-3-9	1-5-8	6-0-4	6-0-4	7-7-0	7-7-0	6-9-8	2-2-8

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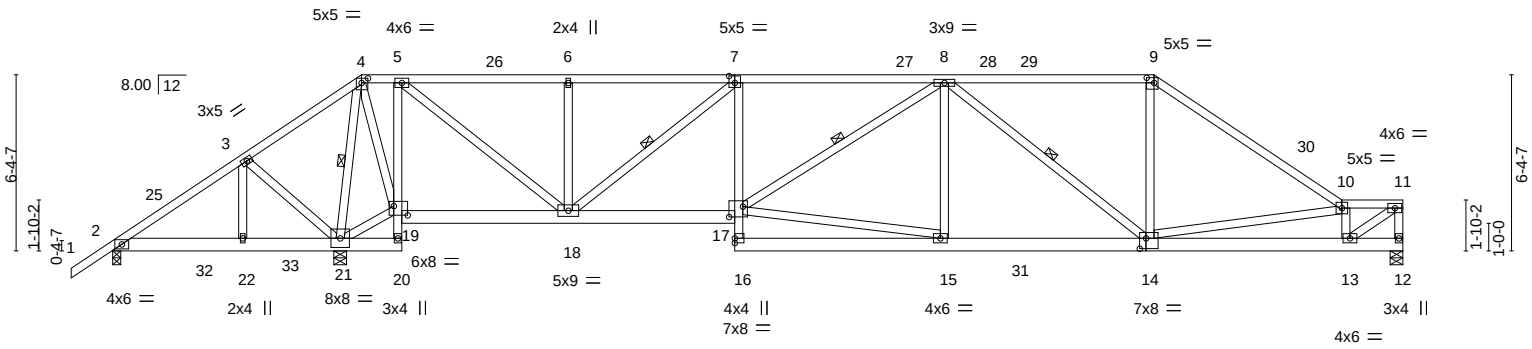


4-8-7	8-2-12	9-0-0	10-5-8	16-5-12	22-6-0	30-1-0	37-8-0	44-5-8	46-8-0
4-8-7	3-6-5	0-9-4	1-5-8	6-0-4	6-0-4	7-7-0	7-7-0	6-9-8	2-2-8

Plate Offsets (X,Y)-- [4:0-2-12,0-2-0], [7:0-2-8,0-3-0], [9:0-3-4,0-2-4], [14:0-2-12,0-4-8], [17:0-6-0,0-4-8], [19:0-6-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.15	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.29	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 331 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 5-20,7-16: 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 7-18, 8-17, 8-14, 4-21

REACTIONS. (lb/size) 12=1330/0-5-8, 2=-520/0-3-8, 21=3001/0-5-8
Max Horz 2=222(LC 11)
Max Uplift 12=-186(LC 12), 2=-747(LC 24), 21=-545(LC 12)
Max Grav 12=1519(LC 18), 21=3243(LC 17)

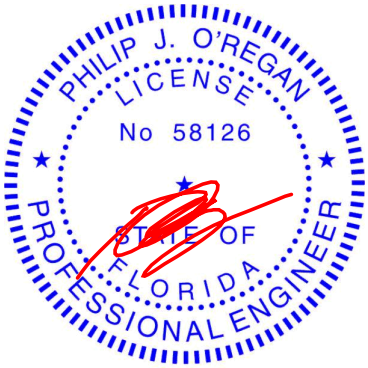
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-25=-246/1656, 3-25=-219/1666, 3-4=-306/1889, 4-5=-114/969, 5-26=-938/217, 6-26=-938/217, 6-7=-938/217, 7-27=-2121/408, 8-27=-2121/408, 8-28=-1765/392, 28-29=-1765/392, 9-29=-1765/392, 9-30=-2041/375, 10-30=-2131/344, 10-11=-1935/338, 11-12=-1430/206
BOT CHORD	2-32=-1435/216, 32-33=-1435/216, 22-33=-1435/216, 21-22=-1435/216, 5-19=-1710/365, 18-19=-1023/316, 17-18=-248/2079, 7-17=-3/629, 15-31=-279/2109, 14-31=-279/2109, 13-14=-334/2035
WEBS	5-18=-374/2391, 6-18=-366/156, 7-18=-1520/261, 15-17=-268/1907, 8-14=-630/69, 9-14=0/723, 10-14=-409/172, 10-13=-1364/342, 11-13=-395/2348, 19-21=-1455/397, 4-19=-92/985, 4-21=-2144/335, 3-21=-313/237

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-8-0, Interior(1) 13-8-0 to 37-8-0, Exterior(2R) 37-8-0 to 42-4-0, Interior(1) 42-4-0 to 46-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 12, 747 lb uplift at joint 2 and 545 lb uplift at joint 21.
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.

LOAD CASE(S) Standard



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A3	Hip	1	1	T23220331
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:06 2021 Page 1
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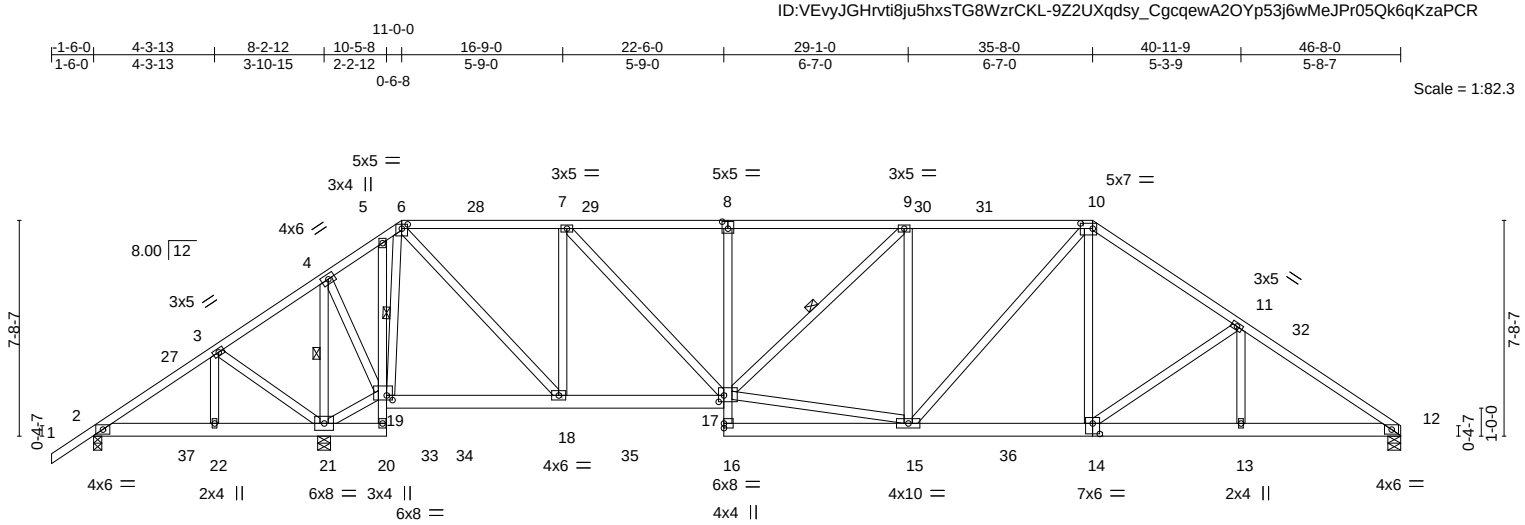


Plate Offsets (X,Y)-- [6:0-2-8,0-1-13], [8:0-2-8,0-3-0], [10:0-5-4,0-2-4], [14:0-3-0,0-4-8], [17:0-2-4,0-2-12], [19:0-2-8,0-2-0]

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	0.41	Vert(LL)	-0.13	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.24	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 349 lb	FT = 20%

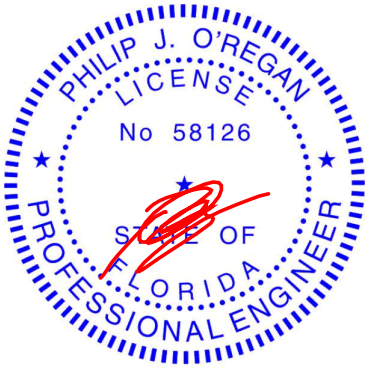
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-20,8-16: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-21, 6-19, 9-17

REACTIONS. (size) 12=0-5-8, 2=0-3-8, 21=0-5-8
Max Horz 2=242(LC 11)
Max Uplift 12=-195(LC 12), 2=-409(LC 24), 21=-501(LC 12)
Max Grav 12=1655(LC 18), 21=2920(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-69/1054, 3-4=-171/1286, 4-5=-40/420, 5-6=-11/350, 6-7=-1185/226, 7-8=-1933/334, 8-9=-1928/335, 9-10=-1992/360, 10-11=-2164/345, 11-12=-2639/342
BOT CHORD 2-22=-933/102, 21-22=-933/102, 17-18=0/1213, 8-17=-356/140, 15-16=-12/263, 14-15=-71/1656, 13-14=-200/2122, 12-13=-200/2122
WEBS 3-21=-303/339, 4-21=-2126/228, 19-21=-1066/288, 4-19=-87/1628, 6-19=-1720/263, 6-18=-238/1925, 7-18=-1120/260, 7-17=-158/1098, 15-17=-90/1676, 9-15=-445/133, 10-15=-43/477, 10-14=-37/578, 11-14=-572/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 11-0-0, Exterior(2R) 11-0-0 to 17-7-3, Interior(1) 17-7-3 to 35-8-0, Exterior(2R) 35-8-0 to 42-3-3, Interior(1) 42-3-3 to 46-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 12, 409 lb uplift at joint 2 and 501 lb uplift at joint 21.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

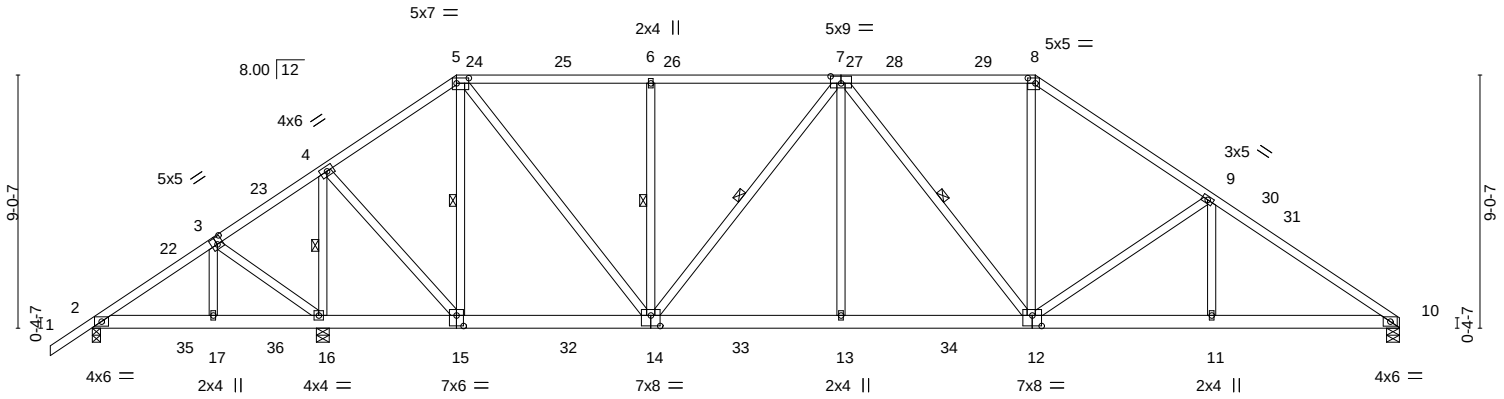
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A4	Hip	1	1	T23220332
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:08 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-5x9EyWf6UcSOr7oIHTQ0uW83Fk00nJtJZkDDvDzaPCP

1-6-0	4-3-13	8-2-12	13-0-0	19-11-4	26-8-12	33-8-0	39-11-9	46-8-0
1-6-0	4-3-13	3-10-15	4-9-4	6-11-4	6-9-8	6-11-4	6-3-9	6-8-7

Scale = 1:82.3



4-3-13	8-2-12	13-0-0	19-11-4	26-8-12	33-8-0	39-11-9	46-8-0
4-3-13	3-10-15	4-9-4	6-11-4	6-9-8	6-11-4	6-3-9	6-8-7

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [7:0-4-8,0-3-0], [8:0-3-4,0-2-4], [12:0-4-0,0-4-8], [14:0-4-0,0-4-8], [15:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.22	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 331 lb	FT = 20%

LUMBER-

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

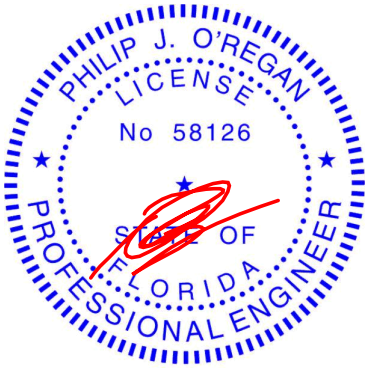
BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-16, 5-15, 6-14, 7-14, 7-12

REACTIONS. (size) 10=0-5-8, 2=0-3-8, 16=0-5-8
Max Horz 2=282(LC 11)
Max Uplift 10=-202(LC 12), 2=-146(LC 12), 16=-456(LC 12)
Max Grav 10=1755(LC 18), 2=161(LC 21), 16=2571(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/470, 3-4=-128/711, 4-5=-794/185, 5-6=-1509/312, 6-7=-1509/312, 7-8=-1768/349, 8-9=-2180/356, 9-10=-2769/354
BOT CHORD 2-17=-473/80, 16-17=-474/81, 15-16=-618/240, 14-15=0/677, 13-14=-56/1858, 12-13=-56/1858, 11-12=-197/2216, 10-11=-197/2216
WEBS 3-16=-304/279, 4-16=-2262/339, 4-15=-144/1663, 5-15=-1002/192, 5-14=-185/1466, 6-14=-436/174, 7-14=-642/101, 7-13=0/387, 7-12=-378/35, 8-12=-41/808, 9-12=-698/194, 9-11=0/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 13-0-0, Exterior(2R) 13-0-0 to 19-7-3, Interior(1) 19-7-3 to 33-8-0, Exterior(2R) 33-8-0 to 40-3-3, Interior(1) 40-3-3 to 46-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 10, 146 lb uplift at joint 2 and 456 lb uplift at joint 16.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A5	Hip	1	1	T23220333
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:10 2021 Page 1
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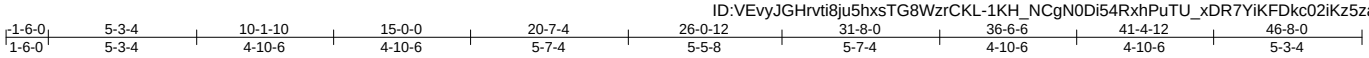

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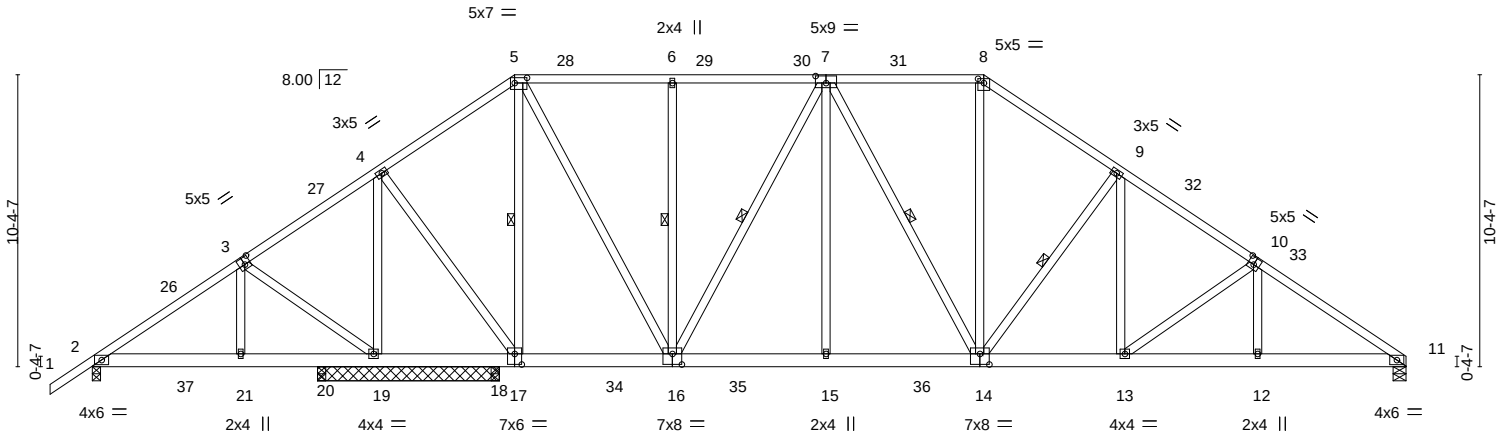


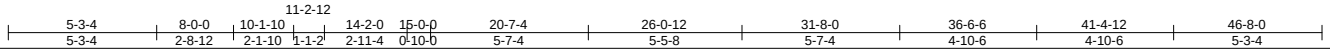


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-4], [7:0-4-8,0-3-0], [8:0-2-8,0-1-13], [10:0-2-8,0-3-0], [14:0-4-0,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.08	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.15	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 365 lb	FT = 20%

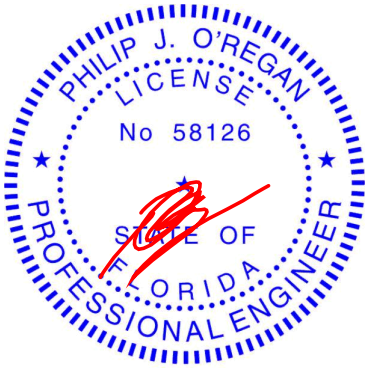
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-17, 6-16, 7-16, 7-14, 9-14

REACTIONS. All bearings 0-3-8 except (jt=length) 19=6-5-8, 11=0-5-8.
(lb) - Max Horz 2=322(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 20 except 2=-183(LC 12), 19=-248(LC 12), 11=-171(LC 12), 18=-172(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 20 except 2=358(LC 21), 19=1078(LC 17), 11=1543(LC 18), 18=1348(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-108/454, 5-6=-803/238, 6-7=-803/238, 7-8=-1296/306, 8-9=-1597/318, 9-10=-2016/304, 10-11=-2463/298
BOT CHORD 2-21=-295/185, 20-21=-295/186, 19-20=-295/186, 18-19=-402/248, 17-18=-402/248, 15-16=0/1152, 14-15=0/1152, 13-14=-59/1554, 12-13=-168/1973, 11-12=-167/1977
WEBS 3-19=-390/316, 4-19=-1006/235, 4-17=-48/583, 5-17=-1473/233, 5-16=-189/1493, 6-16=-350/158, 7-16=-814/118, 7-15=0/297, 8-14=-52/566, 9-14=-669/193, 9-13=-17/454, 10-13=-520/137

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 15-0-0, Exterior(2R) 15-0-0 to 21-7-3, Interior(1) 21-7-3 to 31-8-0, Exterior(2R) 31-8-0 to 38-3-3, Interior(1) 38-3-3 to 46-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20 except (jt=lb) 2=183, 19=248, 11=171, 18=172.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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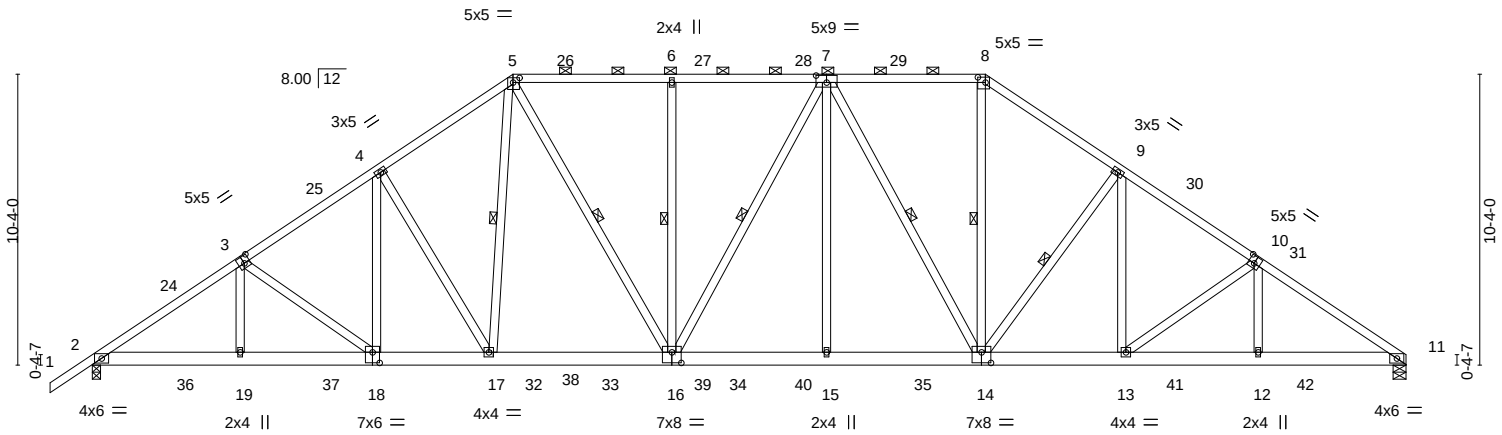
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A6	Piggyback Base	1	1	T23220334
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:11 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-VWrNbYh?nXqyibWtzb_jW8mZgx17_jGlFiStVYzaPCM

1-6-0	5-3-0	10-1-3	14-11-5	20-7-0	26-1-0	31-8-11	36-6-13	41-5-0	46-8-0
1-6-0	5-3-0	4-10-2	4-10-2	5-7-11	5-5-15	5-7-11	4-10-2	4-10-2	5-3-0

Scale = 1:81.8



5-3-0	10-1-3	14-2-12	14-11-5	20-7-0	26-1-0	31-8-11	36-6-13	41-5-0	46-8-0
5-3-0	4-10-2	4-1-9	0-8-9	5-7-11	5-5-15	5-7-11	4-10-2	4-10-2	5-3-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-12,0-2-0], [7:0-4-8,0-3-0], [8:0-3-4,0-2-4], [10:0-2-8,0-3-0], [14:0-4-0,0-4-8], [16:0-4-0,0-4-8], [18:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.26	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.36	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.13	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 364 lb	FT = 20%

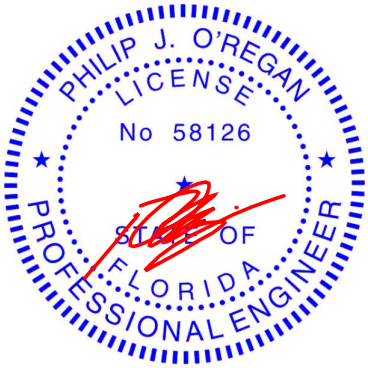
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-5-15 max.): 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-16, 6-16, 7-16, 7-14, 8-14, 9-14, 5-17

REACTIONS. (size) 2=0-3-8, 11=0-5-8
Max Horz 2=320(LC 11)
Max Uplift 2=-925(LC 12), 11=-859(LC 12)
Max Grav 2=2150(LC 20), 11=2184(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3457/2523, 3-4=-3070/2321, 4-5=-2744/2144, 5-6=-2479/1981, 6-7=-2479/1981, 7-8=-2271/1794, 8-9=-2760/2077, 9-10=-3177/2317, 10-11=-3618/2526
BOT CHORD 2-19=-2080/2827, 18-19=-2076/2823, 17-18=-1814/2487, 16-17=-1477/2165, 15-16=-1679/2473, 14-15=-1679/2473, 13-14=-1773/2520, 12-13=-2033/2935, 11-12=-2037/2940
WEBS 3-18=-411/335, 4-18=-402/371, 5-16=-495/714, 6-16=-350/157, 7-15=-263/300, 7-14=-694/449, 8-14=-1025/1211, 9-14=-668/574, 9-13=-438/452, 10-13=-515/385, 10-12=-267/238, 5-17=-734/693, 4-17=-529/541

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 14-11-5, Exterior(2R) 14-11-5 to 21-6-8, Interior(1) 21-6-8 to 31-8-11, Exterior(2R) 31-8-11 to 38-3-14, Interior(1) 38-3-14 to 46-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=925, 11=859.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:
March 17,2021

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6904 Parke East Blvd.
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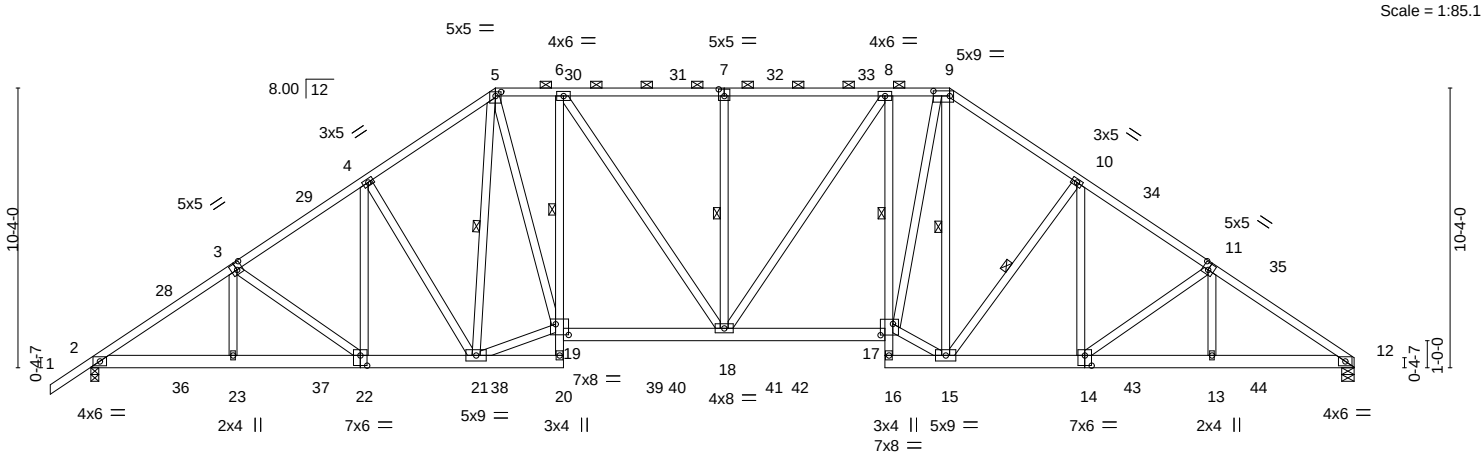
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A7	Piggyback Base	2	1	T23220335
					Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.430 s Dec 17 2020 MiTek Industries, Inc. Wed Mar 17 09:59:51 2021 Page 1

ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-uCN0z?XyalPxB7PXoVPU4GDBoGyiTTbua7xErHza3UM

1-6-0	5-3-0	10-1-3	14-11-5	17-5-8	23-4-12	29-4-0	31-8-11	36-6-13	41-5-0	46-8-0
1-6-0	5-3-0	4-10-2	4-10-2	2-6-3	5-11-4	5-11-4	2-4-11	4-10-2	4-10-2	5-3-0

Scale = 1:85.1



5-3-0	10-1-3	14-2-12	14-11-5	17-5-8	23-4-12	29-4-0	31-8-11	36-6-13	41-5-0	46-8-0
5-3-0	4-10-2	4-1-9	0-8-9	2-6-3	5-11-4	5-11-4	2-4-11	4-10-2	4-10-2	5-3-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-1-13], [7:0-2-8,0-3-0], [9:0-7-4,0-2-4], [11:0-2-8,0-3-0], [14:0-3-0,0-4-8], [17:0-5-8,0-5-0], [19:0-5-12,0-4-12], [22:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	0.29	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.43	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.18	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 393 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 6-20,8-16: 2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-3-5 max.): 5-9.
BOT CHORD	Rigid ceiling directly applied. Except: 1 Row at midpt 6-19, 8-17
WEBS	1 Row at midpt 7-18, 9-15, 10-15, 5-21

REACTIONS. (lb/size) 2=1958/0-3-8, 12=1865/0-5-8
Max Horz 2=320(LC 11)
Max Uplift 2=-924(LC 12), 12=-860(LC 12)
Max Grav 2=2122(LC 20), 12=2161(LC 18)

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

TOP CHORD 2-28=-3405/1395, 3-28=-3335/1412, 3-29=-3020/1301, 4-29=-2901/1317, 4-5=-2692/1251, 5-30=-2611/1234, 6-30=-2611/1234, 6-31=-2762/1293, 7-31=-2762/1293, 7-32=-2762/1293, 32-33=-2762/1293, 8-33=-2762/1293, 8-9=-2584/1201, 9-10=-2723/1227, 10-34=-3025/1330, 11-34=-3144/1313, 11-35=-3459/1440, 12-35=-3576/1423

BOT CHORD 2-36=-1203/2783, 23-36=-1203/2783, 23-37=-1201/2779, 22-37=-1201/2779, 21-22=-1006/2447, 6-19=-533/239, 19-39=-931/2621, 39-40=-932/2614, 18-40=-933/2611, 18-41=-902/2525, 41-42=-902/2525, 17-42=-902/2525, 8-17=-632/282, 14-15=-907/2484, 14-43=-1117/2899, 13-43=-1117/2899, 13-44=-1119/2904, 12-44=-1119/2904

WEBS 3-22=-406/254, 4-22=-246/377, 19-21=-823/2256, 5-19=-596/1600, 6-18=-130/335, 7-18=-394/155, 8-18=-176/474, 15-17=-755/2192, 9-17=-582/1609, 9-15=-374/55, 10-15=-664/338, 10-14=-250/443, 11-14=-508/261, 5-21=-343/49, 4-21=-539/330

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=47ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 3-2-0, Interior(1) 3-2-0 to 14-11-5, Exterior(2R) 14-11-5 to 21-6-8, Interior(1) 21-6-8 to 31-8-11, Exterior(2R) 31-8-11 to 38-3-14, Interior(1) 38-3-14 to 46-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 924 lb uplift at joint 2 and 860 lb uplift at joint 12.
8) Load case(s) 17 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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:
March 17,2021

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6904 Parke East Blvd.
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NOTES-

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

LOAD CASE(S) Standard Except:

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-9=-60, 9-12=-60, 2-20=-20, 17-19=-20, 12-16=-20
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=48, 2-28=25, 5-28=15, 5-31=32, 9-31=15, 9-34=32, 12-34=15, 2-36=-12, 36-38=25, 20-38=-12, 19-40=-12, 17-40=25, 15-16=25, 15-43=-12, 12-43=25
   Horz: 1-2=-60, 2-28=-37, 5-28=-27, 9-34=44, 12-34=27, 19-20=-30, 18-40=37, 16-17=-67, 12-27=37
5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=9, 2-29=15, 5-29=32, 5-32=15, 9-32=32, 9-35=15, 12-35=25, 2-37=25, 37-38=-12, 20-38=25, 19-41=25, 17-41=-12, 15-16=-12, 15-44=25, 12-44=-12
   Horz: 1-2=-21, 2-29=-27, 5-29=-44, 9-35=27, 12-35=37, 2-25=-37, 19-20=-67, 18-19=37, 16-17=-30
6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-9, 2-5=-38, 5-9=-38, 9-12=-38, 2-20=-9, 17-19=-9, 12-16=-9
   Horz: 1-2=-11, 2-5=18, 9-12=-18, 2-25=-11, 19-20=-22, 18-19=11, 16-17=-22, 12-27=11
7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-31, 2-5=-38, 5-9=-38, 9-12=-38, 2-20=-9, 17-19=-9, 12-16=-9
   Horz: 1-2=11, 2-5=18, 9-12=-18, 2-25=-11, 19-20=-22, 18-19=11, 16-17=-22, 12-27=11
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=16, 2-5=-2, 5-33=11, 9-33=4, 9-12=14, 2-20=13, 17-19=13, 12-16=13
   Horz: 1-2=-28, 2-5=-10, 9-12=26, 2-25=-25, 19-20=-51, 18-19=25, 16-17=-51, 12-27=25
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=7, 2-5=14, 5-30=4, 9-30=11, 9-12=-2, 2-20=-12, 17-19=-12, 12-16=-12
   Horz: 1-2=-19, 2-5=-26, 9-12=10
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-31, 2-5=-38, 5-9=-21, 9-12=-8, 2-20=5, 17-19=5, 12-16=5
    Horz: 1-2=11, 2-5=18, 9-12=12, 2-25=-25, 19-20=-51, 18-19=25, 16-17=-51, 12-27=25
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-1, 2-5=-8, 5-9=-21, 9-12=-38, 2-20=-20, 17-19=-20, 12-16=-20
    Horz: 1-2=-19, 2-5=-12, 9-12=-18
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=42, 2-5=23, 5-9=23, 9-12=23, 2-20=13, 17-19=13, 12-16=13
    Horz: 1-2=-54, 2-5=-35, 9-12=35, 2-25=-25, 19-20=-51, 18-19=25, 16-17=-51, 12-27=25
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=23, 2-5=4, 5-9=4, 9-12=4, 2-20=-12, 17-19=-12, 12-16=-12
    Horz: 1-2=-35, 2-5=-16, 9-12=16
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-14, 2-5=-21, 5-9=-21, 9-12=-21, 2-20=5, 17-19=5, 12-16=5
    Horz: 1-2=-6, 2-5=1, 9-12=-1, 2-25=-25, 19-20=-51, 18-19=25, 16-17=-51, 12-27=25
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-14, 2-5=-21, 5-9=-21, 9-12=-21, 2-20=-20, 17-19=-20, 12-16=-20
    Horz: 1-2=-6, 2-5=1, 9-12=-1
17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-58, 2-5=-63, 5-9=-51, 9-12=-41, 2-20=-16, 19-39=-31, 39-42=-16, 17-42=-31, 12-16=-16
    Horz: 1-2=8, 2-5=13, 9-12=9, 2-25=-19, 19-20=-38, 18-19=19, 16-17=-38, 12-27=19
18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-36, 2-5=-41, 5-9=-51, 9-12=-63, 2-20=-35, 19-39=-50, 39-42=-35, 17-42=-50, 12-16=-35
    Horz: 1-2=-14, 2-5=-9, 9-12=-13
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-46, 2-5=-51, 5-9=-51, 9-12=-51, 2-20=-16, 19-39=-31, 39-42=-16, 17-42=-31, 12-16=-16
    Horz: 1-2=-4, 2-5=1, 9-12=-1, 2-25=-19, 19-20=-38, 18-19=19, 16-17=-38, 12-27=19
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-46, 2-5=-51, 5-9=-51, 9-12=-51, 2-20=-35, 19-39=-50, 39-42=-35, 17-42=-50, 12-16=-35
    Horz: 1-2=-4, 2-5=1, 9-12=-1

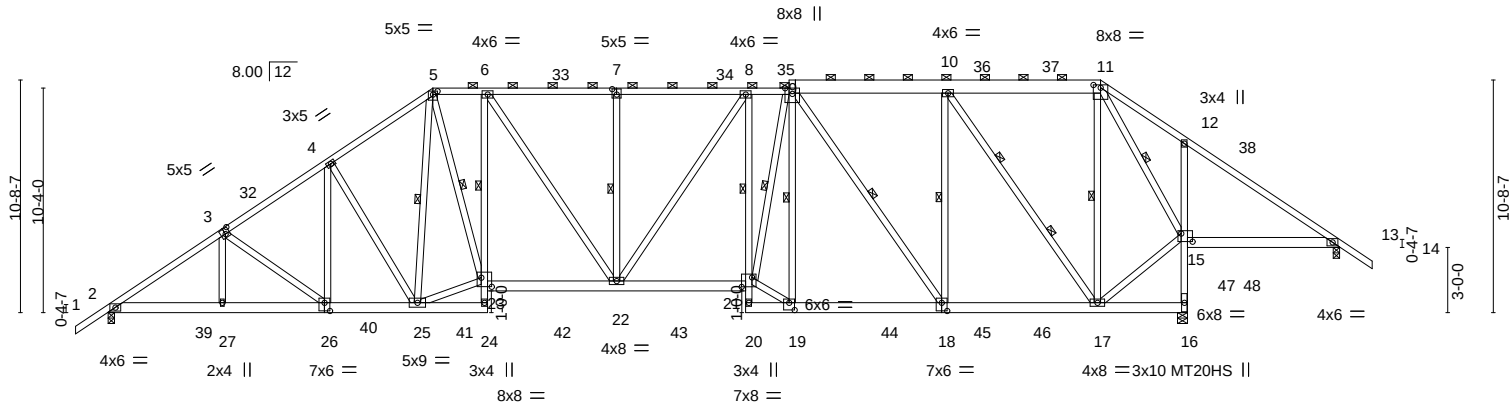
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A8	PIGGYBACK BASE	5	1	T23220336
					Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.430 s Dec 17 2020 MiTek Industries, Inc. Wed Mar 17 10:01:25 2021 Page 1

ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-8H2Yh9gvReFbSabbJF5Wt46EU91_U_EjBliD8rza3Su

1-6-0	5-3-0	10-1-3	14-11-5	17-5-8	23-4-12	29-4-0	31-4-0	38-6-0	45-8-0	49-8-0	56-8-0	58-2-0
1-6-0	5-3-0	4-10-2	4-10-2	2-6-3	5-11-4	5-11-4	2-0-0	7-2-0	7-2-0	4-0-0	7-0-0	1-6-0

Scale = 1:106.0



5-3-0	10-1-3	14-2-12	14-11-5	17-5-8	23-4-12	29-4-0	31-4-0	38-6-0	45-8-0	49-8-0	56-8-0
5-3-0	4-10-2	4-1-9	0-8-9	2-6-3	5-11-4	5-11-4	2-0-0	7-2-0	7-2-0	4-0-0	7-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-1-13], [7:0-2-8,0-3-0], [11:0-4-0,0-1-9], [15:0-6-4,0-4-8], [18:0-3-0,0-4-8], [19:0-3-0,0-4-0], [21:0-5-12,0-5-4], [23:0-5-12,0-5-0], [26:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.39	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.47	21-22	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.19	16	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 514 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 9-11: 2x8 SP 2400F 2.0E

BOT CHORD 2x6 SP No.2 *Except* 6-24,8-20,12-16: 2x4 SP No.2

WEBS 2x4 SP No.2 *Except* 10-17,9-18: 2x4 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (3-0-13 max.): 5-9, 9-19, 9-11. Except:
1 Row at midpt 9-19

BOT CHORD Rigid ceiling directly applied or 3-2-12 oc bracing. Except:
1 Row at midpt 6-23, 8-21

WEBS 1 Row at midpt 5-23, 7-22, 10-18, 11-17, 11-15, 5-25, 9-18, 9-21
2 Rows at 1/3 pts 10-17

REACTIONS. (lb/size) 2=2034/0-3-8, 16=2558/0-5-8, 13=121/0-3-8
Max Horz 2=348(LC 11)
Max Uplift 2=-1296(LC 12), 16=-1613(LC 12), 13=-92(LC 12)
Max Grav 2=2226(LC 2), 16=2871(LC 2), 13=162(LC 22)

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

TOP CHORD 2-3=-3584/2307, 3-32=-3201/2107, 4-32=-3081/2124, 4-5=-2876/2012, 5-6=-2816/2056, 6-33=-3028/2208, 7-33=-3028/2208, 7-34=-3028/2208, 34-35=-3028/2208, 8-35=-3028/2208, 8-9=-2888/2111, 9-19=-871/502, 9-10=-1815/1438, 10-36=-690/669, 36-37=-686/670, 11-37=-686/670, 11-12=-117/535, 12-38=-294/576, 13-38=-332/484

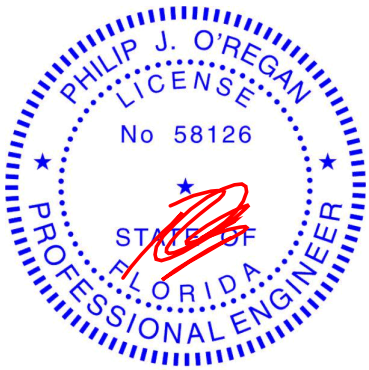
BOT CHORD 2-39=-2069/2968, 27-39=-2069/2968, 27-40=-2066/2965, 26-40=-2066/2965, 25-26=-1725/2602, 6-23=-608/426, 23-42=-1706/2832, 22-42=-1708/2825, 22-43=-1751/2883, 21-43=-1751/2883, 8-21=-736/497, 19-44=-1417/2464, 18-44=-1417/2464, 18-45=-994/1796, 45-46=-994/1796, 17-46=-994/1796, 15-16=-2838/1840, 12-15=-487/393, 15-47=-399/447, 47-48=-401/445, 13-48=-407/443

WEBS 3-26=-476/421, 4-26=-313/369, 23-25=-1488/2444, 5-23=-1147/1775, 6-22=-292/458, 7-22=-406/263, 8-22=-188/300, 10-18=-782/1264, 10-17=-2042/1341, 11-17=-978/1400, 15-17=-321/852, 11-15=-2119/1353, 5-25=-390/148, 4-25=-645/529, 9-18=-1162/813, 19-21=-1515/2572, 9-21=-1211/1902

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp C; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 4-2-0, Interior(1) 4-2-0 to 14-11-5, Exterior(2R) 14-11-5 to 20-7-5, Interior(1) 20-7-5 to 45-8-0, Exterior(2R) 45-8-0 to 51-4-0, Interior(1) 51-4-0 to 58-2-0 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2



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

March 17,2021

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6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1296 lb uplift at joint 2, 1613 lb uplift at joint 16 and 92 lb uplift at joint 13.
9) Load case(s) 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard Except:

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-9=-60, 9-11=-60, 11-14=-60, 2-24=-20, 21-23=-20, 16-20=-20, 13-15=-20
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=48, 2-5=39, 5-33=46, 9-33=39, 9-11=39, 11-38=46, 13-38=39, 13-14=18, 2-39=-12, 39-41=25, 24-41=-12, 23-42=-12, 21-42=25, 17-20=25, 16-17=-12, 15-47=-12, 13-47=25
   Horz: 1-2=-60, 2-5=-51, 8-9=-51, 10-11=-51, 11-38=58, 13-38=51, 13-14=30, 23-24=-30, 22-42=37, 20-21=-67, 13-47=37
   Drag: 9-10=-0
5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=18, 2-32=39, 5-32=46, 5-9=39, 9-36=39, 11-36=46, 11-13=39, 13-14=48, 2-40=25, 40-41=-12, 24-41=25, 21-23=25, 20-45=25, 17-45=-12, 16-17=25, 15-48=25, 13-48=-12
   Horz: 1-2=-30, 2-32=-51, 5-32=-58, 8-9=-51, 10-36=-51, 11-36=-58, 11-13=51, 13-14=60, 2-29=-37, 23-24=-67, 22-23=37, 20-21=-67, 15-48=37
   Drag: 9-10=-0
6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-1, 2-5=-59, 5-9=-59, 9-11=-59, 11-13=-59, 13-14=-39, 2-24=-1, 21-23=-1, 16-20=-1, 13-15=-1
   Horz: 1-2=-19, 2-5=39, 8-9=39, 10-11=39, 11-13=-39, 13-14=-19, 2-29=-19, 23-24=-37, 22-23=19, 20-21=-37, 13-15=19
   Drag: 9-10=0
7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-39, 2-5=-59, 5-9=-59, 9-11=-59, 11-13=-59, 13-14=-1, 2-24=-1, 21-23=-1, 16-20=-1, 13-15=-1
   Horz: 1-2=19, 2-5=39, 8-9=39, 10-11=39, 11-13=-39, 13-14=19, 2-29=-19, 23-24=-37, 22-23=19, 20-21=-37, 13-15=19
   Drag: 9-10=0
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=15, 2-5=11, 5-35=25, 9-35=18, 9-11=18, 11-13=28, 13-14=7, 2-24=13, 21-23=13, 16-20=13, 13-15=13
   Horz: 1-2=-27, 2-5=-23, 8-9=-30, 10-11=-30, 11-13=40, 13-14=19, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=-0
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=7, 2-5=28, 5-34=18, 9-34=25, 9-37=25, 11-37=37, 11-13=11, 13-14=15, 2-24=13, 21-23=13, 16-20=13, 13-15=13
   Horz: 1-2=-19, 2-5=-40, 8-9=-37, 10-37=-37, 11-37=-49, 11-13=23, 13-14=27, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=-0
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-32, 2-5=-52, 5-9=-35, 9-11=-35, 11-13=-21, 13-14=-1, 2-24=5, 21-23=5, 16-20=5, 13-15=5
   Horz: 1-2=12, 2-5=32, 8-9=15, 10-11=15, 11-13=-1, 13-14=19, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=0
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-1, 2-5=-21, 5-9=-35, 9-11=-35, 11-13=-52, 13-14=-32, 2-24=5, 21-23=5, 16-20=5, 13-15=5
   Horz: 1-2=-19, 2-5=1, 8-9=15, 10-11=15, 11-13=-32, 13-14=-12, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=0
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=42, 2-5=37, 5-9=37, 9-11=37, 11-13=37, 13-14=42, 2-24=13, 21-23=13, 16-20=13, 13-15=13
   Horz: 1-2=-54, 2-5=-49, 8-9=-49, 10-11=-49, 11-13=49, 13-14=54, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=-0
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=23, 2-5=18, 5-9=18, 9-11=18, 11-13=18, 13-14=23, 2-24=13, 21-23=13, 16-20=13, 13-15=13
   Horz: 1-2=-35, 2-5=-30, 8-9=-30, 10-11=-30, 11-13=30, 13-14=35, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=-0
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-14, 2-5=-35, 5-9=-35, 9-11=-35, 11-13=-35, 13-14=-14, 2-24=5, 21-23=5, 16-20=5, 13-15=5
   Horz: 1-2=-6, 2-5=15, 8-9=15, 10-11=15, 11-13=-15, 13-14=6, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=0
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-14, 2-5=-35, 5-9=-35, 9-11=-35, 11-13=-35, 13-14=-14, 2-24=5, 21-23=5, 16-20=5, 13-15=5
   Horz: 1-2=-6, 2-5=15, 8-9=15, 10-11=15, 11-13=-15, 13-14=6, 2-29=-25, 23-24=-51, 22-23=25, 20-21=-51, 13-15=25
   Drag: 9-10=0
17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S) Standard Except:

Uniform Loads (plf)

Vert: 1-2=-59, 2-5=-74, 5-9=-61, 9-11=-61, 11-13=-51, 13-14=-36, 2-24=-16, 23-42=-31, 42-43=-16, 21-43=-31, 19-20=-16, 19-44=-31, 18-44=-16, 18-46=-31, 16-46=-16, 13-15=-16

Horz: 1-2=9, 2-5=24, 8-9=11, 10-11=11, 11-13=-1, 13-14=14, 2-29=-19, 23-24=-38, 22-23=19, 20-21=-38, 13-15=19

Drag: 9-10=0

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-36, 2-5=-51, 5-9=-61, 9-11=-61, 11-13=-74, 13-14=-59, 2-24=-16, 23-42=-31, 42-43=-16, 21-43=-31, 19-20=-16, 19-44=-31, 18-44=-16, 18-46=-31, 16-46=-16, 13-15=-16

Horz: 1-2=-14, 2-5=1, 8-9=11, 10-11=11, 11-13=-24, 13-14=-9, 2-29=-19, 23-24=-38, 22-23=19, 20-21=-38, 13-15=19

Drag: 9-10=0

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-46, 2-5=-61, 5-9=-61, 9-11=-61, 11-13=-61, 13-14=-46, 2-24=-16, 23-42=-31, 42-43=-16, 21-43=-31, 19-20=-16, 19-44=-31, 18-44=-16, 18-46=-31, 16-46=-16, 13-15=-16

Horz: 1-2=-4, 2-5=11, 8-9=11, 10-11=11, 11-13=-11, 13-14=4, 2-29=-19, 23-24=-38, 22-23=19, 20-21=-38, 13-15=19

Drag: 9-10=0

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-46, 2-5=-61, 5-9=-61, 9-11=-61, 11-13=-61, 13-14=-46, 2-24=-16, 23-42=-31, 42-43=-16, 21-43=-31, 19-20=-16, 19-44=-31, 18-44=-16, 18-46=-31, 16-46=-16, 13-15=-16

Horz: 1-2=-4, 2-5=11, 8-9=11, 10-11=11, 11-13=-11, 13-14=4, 2-29=-19, 23-24=-38, 22-23=19, 20-21=-38, 13-15=19

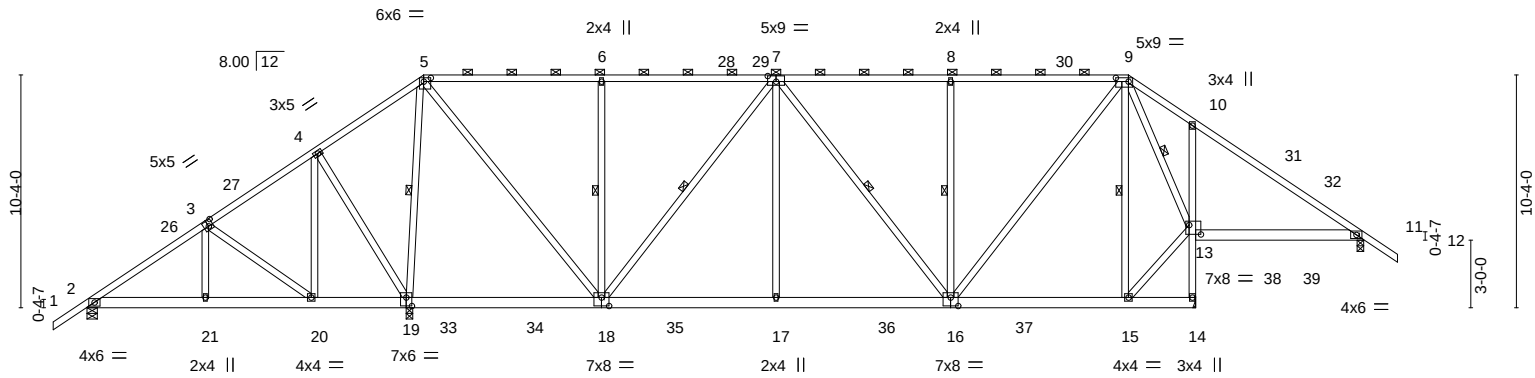
Drag: 9-10=0

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A9	Piggyback Base	1	1	T23220337
					Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.430 s Dec 17 2020 MiTek Industries, Inc. Wed Mar 17 10:01:39 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-kzurdxri8x0c8kgH7BLoS1haPotEmJTnPx6ye1za3Sg

1-6-0	5-3-0	10-1-3	14-11-5	22-10-1	30-7-0	38-3-15	46-2-11	49-2-8	56-8-0	58-2-0
1-6-0	5-3-0	4-10-2	4-10-2	7-10-11	7-8-15	7-8-15	7-10-11	2-11-13	7-5-8	1-6-0

Scale = 1:102.3



5-3-0	10-1-3	14-3-12	14-11-5	22-10-1	30-7-0	38-3-15	46-2-11	49-2-8	56-8-0
5-3-0	4-10-2	4-2-9	0-7-9	7-10-11	7-8-15	7-8-15	7-10-11	2-11-13	7-5-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-3-12,0-2-0], [7:0-4-8,0-3-0], [9:0-6-12,0-2-0], [13:0-6-4,0-5-0], [16:0-4-0,0-4-8], [18:0-4-0,0-4-8], [19:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.08	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.15	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 436 lb	FT = 20%

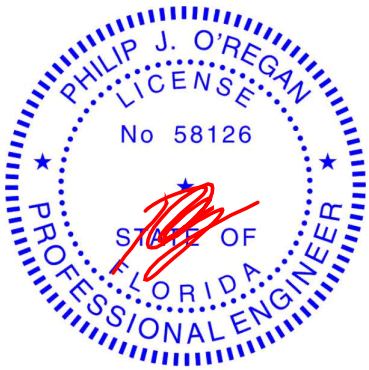
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
10-14: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (4-7-5 max.): 5-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-18, 7-18, 7-16, 8-16, 9-15, 9-13, 5-19

REACTIONS. All bearings 0-3-8 except (jt=length) 2=0-5-8, 14=Mechanical.
(lb) - Max Horz 2=-312(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 19=-355(LC 12), 14=-312(LC 12), 11=-208(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=447(LC 17), 19=2793(LC 17), 14=1926(LC 18), 11=336(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-351/16, 4-27=-1/282, 4-5=0/592, 5-6=-861/250, 6-28=-861/250, 28-29=-861/250, 7-29=-861/250, 7-8=-1173/306, 8-30=-1173/306, 9-30=-1173/306
BOT CHORD 2-21=-98/406, 20-21=-100/401, 19-33=-287/194, 33-34=-287/194, 18-34=-287/194, 18-35=-0/1299, 17-35=-0/1299, 17-36=-0/1299, 16-36=-0/1299, 16-37=0/416, 15-37=0/416, 13-14=-1934/318, 10-13=-338/269
WEBS 3-21=0/254, 3-20=-530/117, 4-20=-24/359, 5-18=-212/1690, 6-18=-503/203, 7-18=-727/102, 7-17=0/434, 8-16=-502/203, 9-16=-134/1191, 9-15=-258/29, 13-15=0/660, 9-13=-1162/157, 5-19=-1947/283, 4-19=-573/224

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 4-2-0, Interior(1) 4-2-0 to 14-11-5, Exterior(2R) 14-11-5 to 22-10-1, Interior(1) 22-10-1 to 46-2-11, Exterior(2R) 46-2-11 to 54-2-14, Interior(1) 54-2-14 to 58-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 19=355, 14=312, 11=208.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	A10	Piggyback Base	3	1	T23220338
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:16:56 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-RdRiRQWbJwx5PHt?axDCP_ewbuyDzsrYotJaUvzaPCb

-1-6-0	7-8-2	14-11-5	22-10-1	30-7-0	38-3-15	46-2-11	51-3-9	56-8-0	58-2-0
1-6-0	7-8-2	7-3-4	7-10-11	7-8-15	7-8-15	7-10-11	5-0-15	5-4-7	1-6-0

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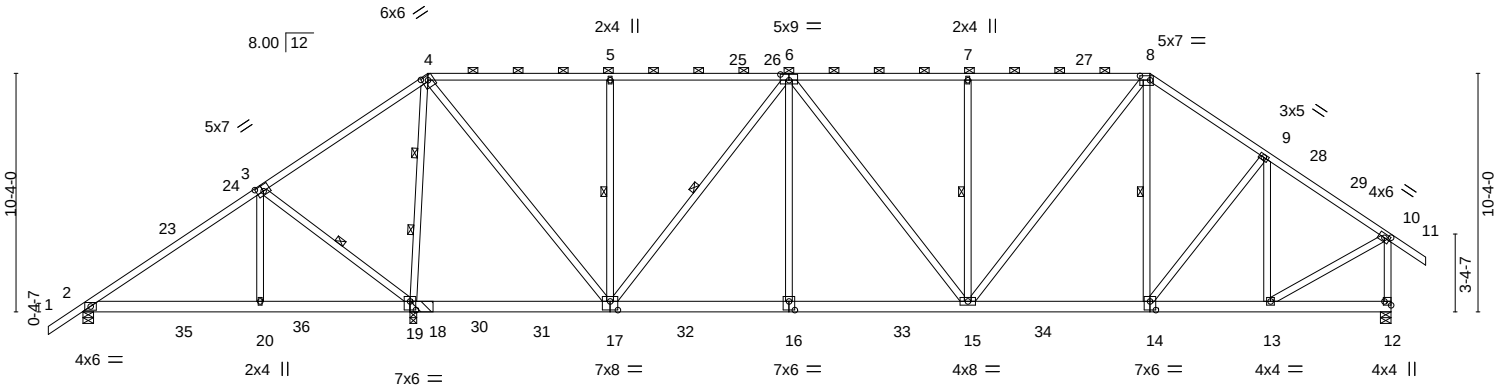


7-8-2	14-2-0	14-11-5	22-10-1	30-7-0	38-3-15	46-2-11	51-3-9	56-8-0
7-8-2	6-5-14	0-9-5	7-10-11	7-8-15	7-8-15	7-10-11	5-0-15	5-4-7

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [4:0-3-0,0-2-3], [6:0-4-8,0-3-0], [8:0-5-4,0-2-4], [10:0-2-14,0-2-0], [12:Edge,0-3-8], [14:0-3-0,0-4-8], [16:0-3-0,0-4-8], [17:0-4-0,0-4-8], [19:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.13	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.22	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 429 lb	FT = 20%

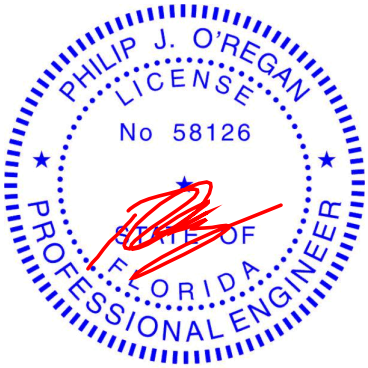
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-3-12 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-17, 6-17, 7-15, 8-14, 3-19
2 Rows at 1/3 pts 4-19

REACTIONS. (size) 2=0-5-8, 19=(0-3-8 + bearing block) (req. 0-3-11), 12=0-5-8
Max Horz 2=382(LC 11)
Max Uplift 2=-235(LC 12), 19=-625(LC 12), 12=-278(LC 12)
Max Grav 2=332(LC 21), 19=3120(LC 17), 12=2010(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/354, 3-4=-207/811, 4-5=-1057/241, 5-6=-1057/241, 6-7=-1972/379, 7-8=-1972/379, 8-9=-1913/355, 9-10=-1717/277, 10-12=-1916/307
BOT CHORD 2-20=-418/112, 19-20=-418/113, 17-19=-482/366, 16-17=0/1762, 15-16=0/1762, 14-15=-28/1463, 13-14=-61/1296
WEBS 3-20=-414/304, 4-17=-269/2189, 5-17=-502/200, 6-17=-1217/172, 6-16=0/432, 6-15=-127/272, 7-15=-502/202, 8-15=-62/742, 9-14=-14/331, 9-13=-589/91, 10-13=-61/1461, 4-19=-2478/401, 3-19=-597/667

NOTES-
1) 2x6 SP No.2 bearing block 12" long at jt. 19 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=57ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 4-2-0, Interior(1) 4-2-0 to 14-11-5, Exterior(2R) 14-11-5 to 22-10-1, Interior(1) 22-10-1 to 46-2-11, Exterior(2R) 46-2-11 to 54-2-14, Interior(1) 54-2-14 to 58-2-0 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
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 2, 625 lb uplift at joint 19 and 278 lb uplift at joint 12.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

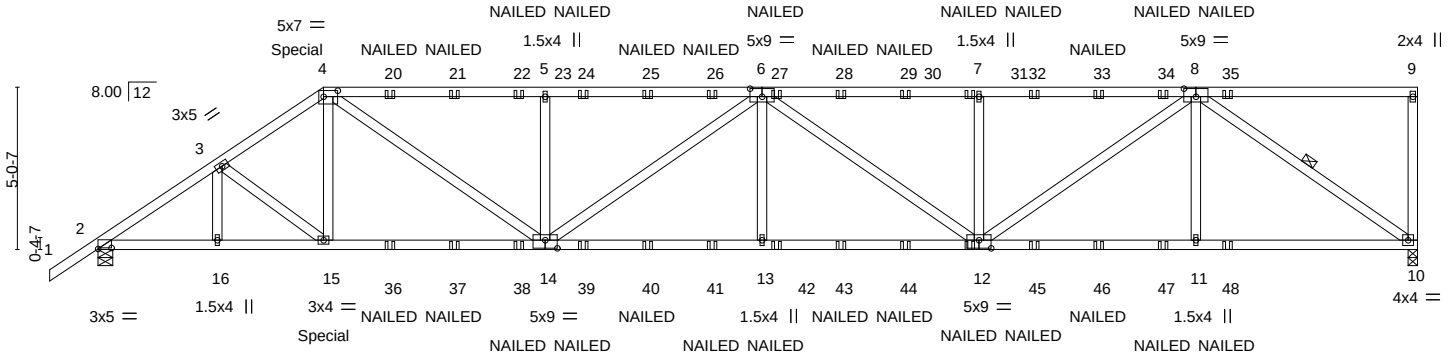
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B1GE	Half Hip Girder	1	2	T23220339
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:21 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-CRS9hzpGQb4Yv7HoYh93wFA8dzP5KEoDYGtPszzaPCC

-1-6-0	3-8-7	7-0-0	13-10-9	20-7-6	27-4-2	34-0-15	40-11-8
1-6-0	3-8-7	3-3-9	6-10-9	6-8-13	6-8-13	6-8-13	6-10-9

Scale = 1:71.5



3-8-7	7-0-0	13-10-9	20-7-6	27-4-2	34-0-15	40-11-8
3-8-7	3-3-9	6-10-9	6-8-13	6-8-13	6-8-13	6-10-9

Plate Offsets (X,Y)-- [2:0-5-0,0-0-6], [4:0-5-4,0-2-4], [6:0-4-8,0-3-0], [8:0-4-8,0-3-0], [12:0-4-8,0-3-0], [14:0-4-8,0-3-0]

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	0.97	Vert(LL)	0.29	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.57	13-14	>862	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.17	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 468 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-6: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* 12-14: 2x4 SP No.1
WEBS 2x4 SP No.2

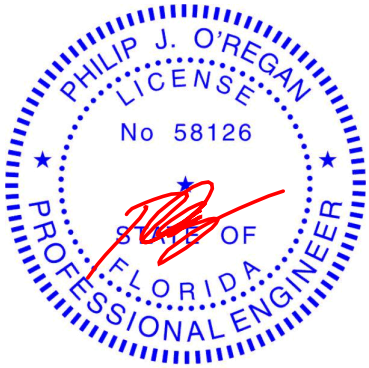
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS. (size) 10=0-3-8, 2=0-5-8
Max Horz 2=230(LC 7)
Max Uplift 10=-698(LC 8), 2=-885(LC 8)
Max Grav 10=3168(LC 1), 2=3474(LC 1)

"Special" indicates special hanger(s) or other connection device(s) required at location(s)shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5689/1394, 3-4=-5588/1430, 4-5=-7133/1770, 5-6=-7133/1770, 6-7=-6838/1642, 7-8=-6838/1642
BOT CHORD 2-16=-1166/4665, 15-16=-1166/4665, 14-15=-1156/4650, 13-14=-1747/7794, 12-13=-1747/7794, 11-12=-937/4193, 10-11=-937/4193
WEBS 3-15=-251/206, 4-15=-100/771, 4-14=-654/3017, 5-14=-897/475, 6-14=-809/141, 6-13=0/545, 6-12=-1169/297, 7-12=-839/448, 8-12=-762/3237, 8-11=0/515, 8-10=-5098/1158

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=698, 2=885.
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
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Date:
March 17,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 258 lb down and 235 lb up at 7-0-0 on top chord, and 493 lb down and 194 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

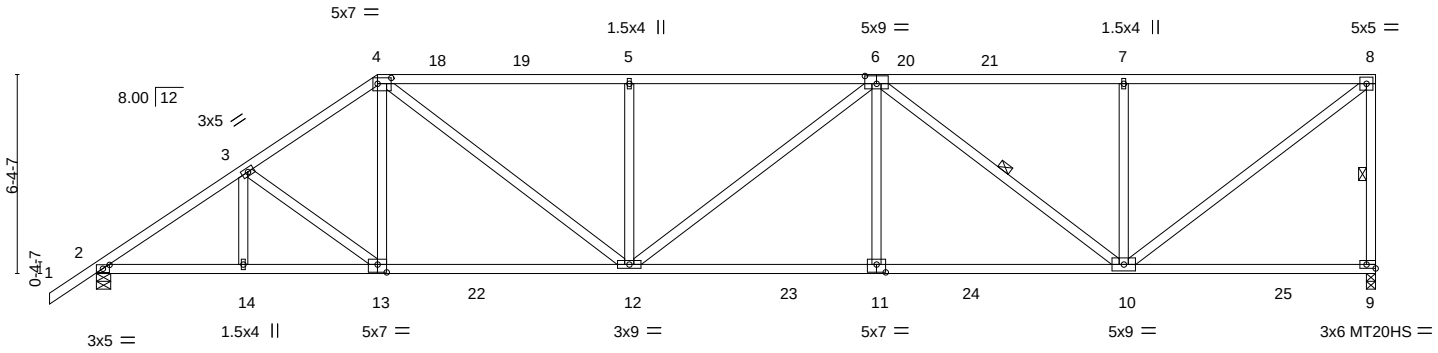
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 10-17=-20
   Concentrated Loads (lb)
   Vert: 4=-165(B) 15=-493(B) 12=-62(B) 7=-126(B) 20=-126(B) 21=-126(B) 22=-126(B) 24=-126(B) 25=-126(B) 26=-126(B) 27=-126(B) 28=-126(B) 29=-126(B) 32=-126(B) 33=-126(B) 34=-126(B) 35=-126(B) 36=-62(B) 37=-62(B) 38=-62(B) 39=-62(B) 40=-62(B) 41=-62(B) 42=-62(B) 43=-62(B) 44=-62(B) 45=-62(B) 46=-62(B) 47=-62(B) 48=-62(B)

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B2	Half Hip	1	1	T23220340
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:22 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-he?XuJquBvDOXHs?6PgITTjMANhh3gZNnwcyOPzaPCB

-1-6-0	4-8-7	9-0-0	17-0-12	24-11-12	32-10-12	40-11-8
1-6-0	4-8-7	4-3-9	8-0-12	7-11-0	7-11-0	8-0-12

Scale = 1:73.8



4-8-7	9-0-0	17-0-12	24-11-12	32-10-12	40-11-8
4-8-7	4-3-9	8-0-12	7-11-0	7-11-0	8-0-12

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [4:0-5-4,0-2-4], [6:0-4-8,0-3-0], [9:Edge,0-1-8], [11:0-3-8,0-3-0], [13:0-3-8,0-3-0]

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	0.79	Vert(LL)	-0.28	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.51	11-12	>961	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 239 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-9, 6-10

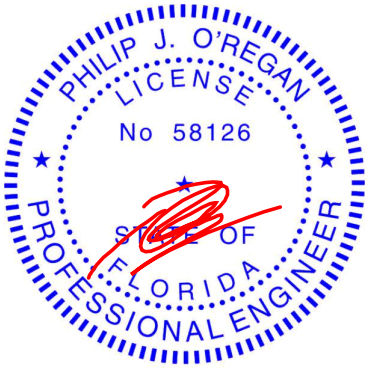
REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=290(LC 11)
Max Uplift 9=-234(LC 12), 2=-295(LC 12)
Max Grav 9=1877(LC 17), 2=1996(LC 17)

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

TOP CHORD	2-3=-3042/372, 3-4=-2746/392, 4-5=-3140/483, 5-6=-3140/483, 6-7=-2053/344, 7-8=-2053/344, 8-9=-1713/280
BOT CHORD	2-14=-273/2580, 13-14=-273/2580, 12-13=-190/2296, 11-12=-294/3098, 10-11=-294/3098
WEBS	3-13=-354/104, 4-13=0/500, 4-12=-147/1188, 5-12=-512/198, 6-11=0/408, 6-10=-1309/160, 7-10=-512/214, 8-10=-316/2520

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=234, 2=295.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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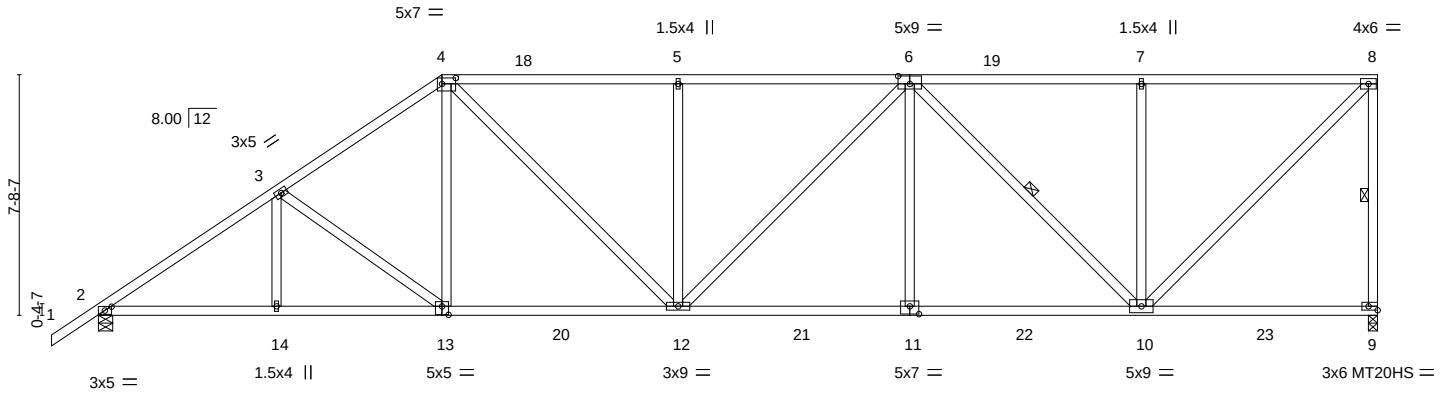
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B3	Half Hip	1	1	T23220341
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:23 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-9qZv6erXyDLF8RRBg6CX?gGbOn3wo7JW0aMWxrzaPCA

-1-6-0	5-8-7	11-0-0	18-6-12	25-11-12	33-4-12	40-11-8
1-6-0	5-8-7	5-3-9	7-6-12	7-5-0	7-5-0	7-6-12

Scale = 1:73.8



5-8-7	11-0-0	18-6-12	25-11-12	33-4-12	40-11-8
5-8-7	5-3-9	7-6-12	7-5-0	7-5-0	7-6-12

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [4:0-5-4,0-2-4], [6:0-4-8,0-3-0], [9:Edge,0-1-8], [11:0-3-8,0-3-0], [13:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.23	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.42	12-13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.13	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 256 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-9, 6-10

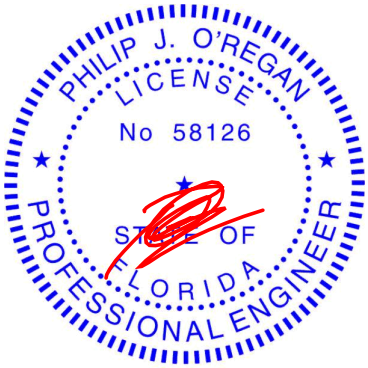
REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=349(LC 11)
Max Uplift 9=-235(LC 12), 2=-293(LC 12)
Max Grav 9=1916(LC 17), 2=2020(LC 17)

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

TOP CHORD	2-3=-3054/374, 3-4=-2637/394, 4-5=-2668/440, 5-6=-2668/440, 6-7=-1642/308, 7-8=-1642/308, 8-9=-1757/283
BOT CHORD	2-14=-292/2608, 13-14=-292/2608, 12-13=-228/2200, 11-12=-226/2533, 10-11=-226/2533
WEBS	3-13=-504/139, 4-13=-3/579, 4-12=-93/829, 5-12=-477/183, 6-12=-35/263, 6-11=0/401, 6-10=-1254/152, 7-10=-482/206, 8-10=-278/2254

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=235, 2=293.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

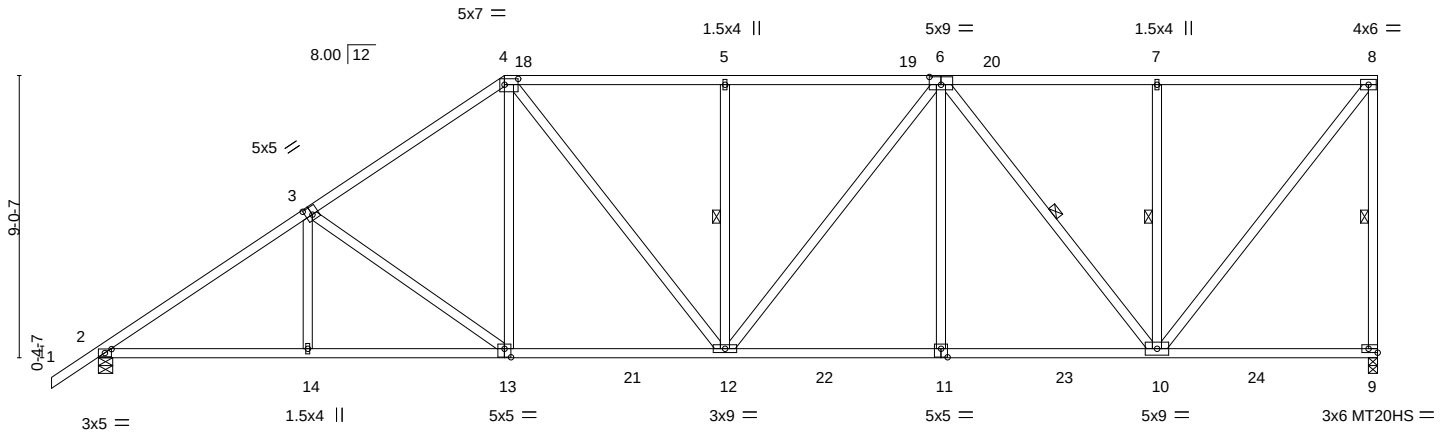
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B4	Half Hip	1	1	T23220342
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:24 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-d07HJ_r9jWT6mb0NDqjmYuohFBRwXZQgEE53TIzaPC9

-1-6-0	6-8-7	13-0-0	20-0-12	26-11-12	33-10-12	40-11-8
1-6-0	6-8-7	6-3-9	7-0-12	6-11-0	6-11-0	7-0-12

Scale = 1:73.8



6-8-7	13-0-0	20-0-12	26-11-12	33-10-12	40-11-8
6-8-7	6-3-9	7-0-12	6-11-0	6-11-0	7-0-12

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [3:0-2-8,0-3-0], [4:0-5-4,0-2-4], [6:0-4-8,0-3-0], [9:Edge,0-1-8], [11:0-2-8,0-3-4], [13:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	-0.20	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.36	12-13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.12	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 273 lb	FT = 20%

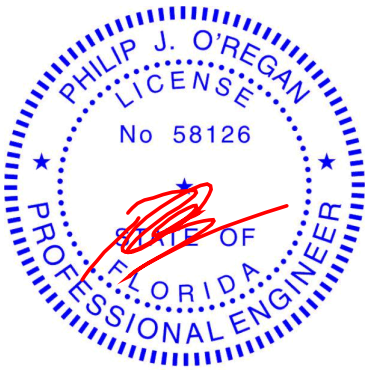
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-9, 5-12, 6-10, 7-10

REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=408(LC 11)
Max Uplift 9=-237(LC 12), 2=-292(LC 12)
Max Grav 9=1945(LC 17), 2=2032(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3035/372, 3-4=-2507/395, 4-5=-2303/414, 5-6=-2303/414, 6-7=-1348/288, 7-8=-1348/288, 8-9=-1793/289
BOT CHORD 2-14=-334/2607, 13-14=-335/2604, 12-13=-259/2089, 11-12=-239/2117, 10-11=-239/2117
WEBS 3-14=0/263, 3-13=-638/173, 4-13=-21/655, 4-12=-54/566, 5-12=-441/166, 6-12=-51/396, 6-11=0/383, 6-10=-1240/151, 7-10=-451/199, 8-10=-255/2095

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=237, 2=292.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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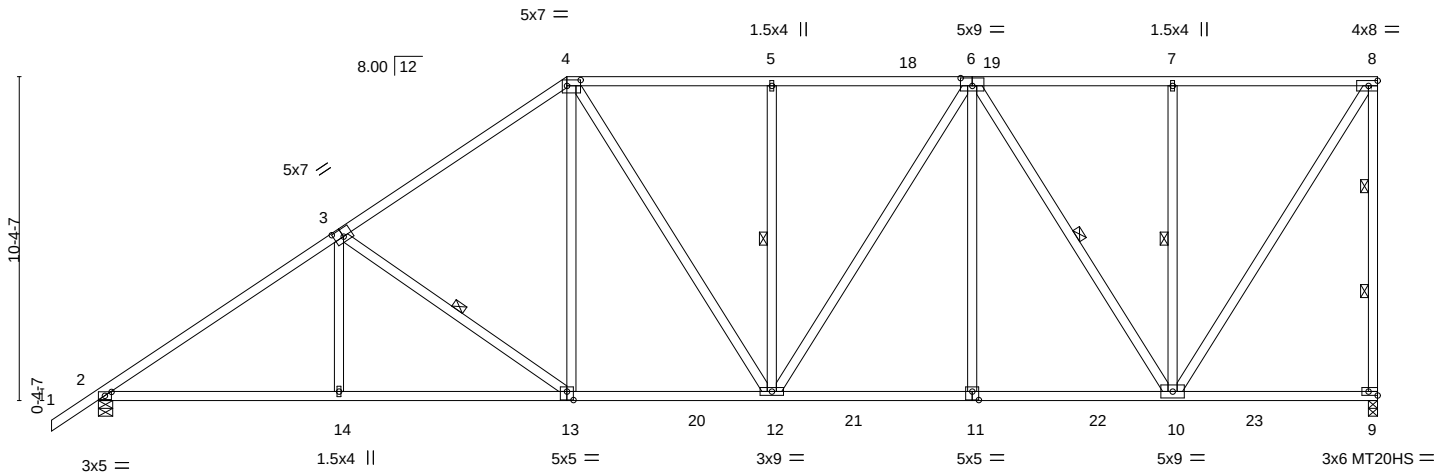
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B5	Half Hip	1	1	T23220343
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:26 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-ZPF2kgtPF7jq?uAmLFlEdJu1t_5C?R8yiYaAXAzaPC7

-1-6-0	7-8-7	15-0-0	21-6-12	27-11-12	34-4-12	40-11-8
1-6-0	7-8-7	7-3-9	6-6-12	6-5-0	6-5-0	6-6-12

Scale = 1:73.8



7-8-7	15-0-0	21-6-12	27-11-12	34-4-12	40-11-8
7-8-7	7-3-9	6-6-12	6-5-0	6-5-0	6-6-12

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [3:0-3-8,0-3-0], [4:0-5-4,0-2-4], [6:0-4-8,0-3-0], [9:Edge,0-1-8], [11:0-2-8,0-3-4], [13:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.18	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.30	12-13	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 291 lb	FT = 20%

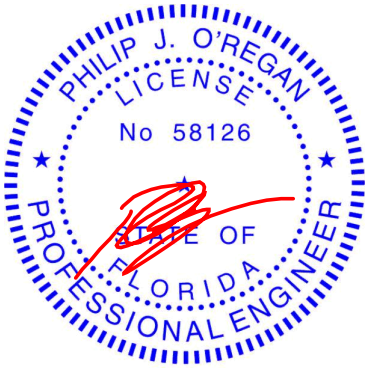
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
8-9: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-13, 5-12, 6-10, 7-10
2 Rows at 1/3 pts 8-9

REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=468(LC 11)
Max Uplift 9=-239(LC 12), 2=-290(LC 12)
Max Grav 9=1968(LC 17), 2=2037(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3001/369, 3-4=-2367/393, 4-5=-2004/396, 5-6=-2004/396, 6-7=-1128/279, 7-8=-1128/279, 8-9=-1823/297
BOT CHORD 2-14=-372/2594, 13-14=-373/2590, 12-13=-285/1970, 11-12=-249/1796, 10-11=-249/1796
WEBS 3-14=0/317, 3-13=-766/205, 4-13=-35/728, 4-12=-46/352, 5-12=-400/147, 6-12=-65/517, 6-11=0/361, 6-10=-1255/153, 7-10=-417/191, 8-10=-242/1999

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=239, 2=290.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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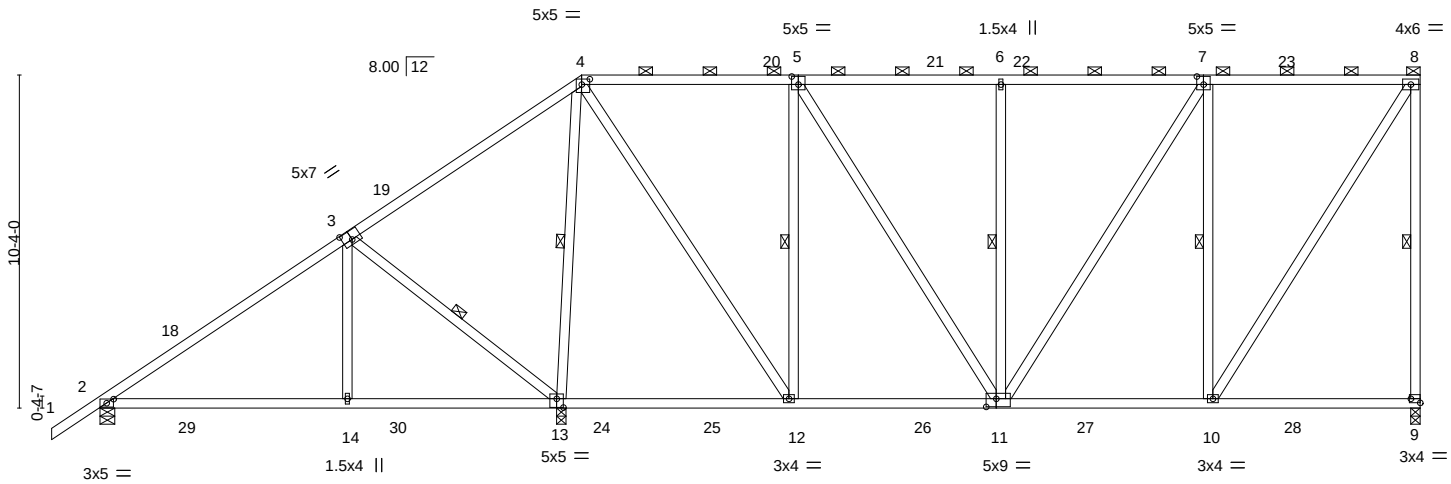
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B6	Piggyback Base	1	1	T23220344
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:27 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-1bpQx0u10Rrhd2lyvyGTAWQBEOVxkwX6xCKj4czaPC6

-1-6-0	7-8-2	14-11-5	21-6-4	27-11-7	34-4-9	40-11-8
1-6-0	7-8-2	7-3-4	6-6-15	6-5-3	6-5-3	6-6-15

Scale = 1:71.5



7-8-2	14-3-12	14-11-5	21-6-4	27-11-7	34-4-9	40-11-8
7-8-2	6-7-10	0-7-9	6-6-15	6-5-3	6-5-3	6-6-15

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [3:0-3-8,0-3-4], [4:0-3-0,0-2-0], [5:0-2-8,0-3-0], [7:0-2-8,0-3-0], [9:Edge,0-1-8], [11:0-3-12,0-3-0], [13:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	0.16	14-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.20	14-17	>829	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 290 lb	FT = 20%

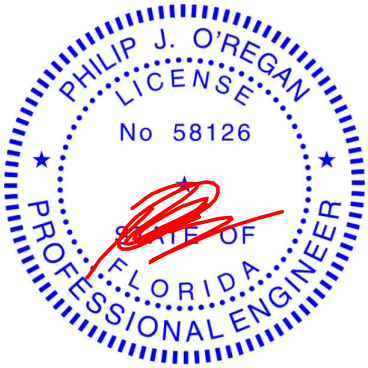
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-9, 5-12, 6-11, 7-10, 4-13, 3-13

REACTIONS. (size) 9=0-3-8, 2=0-5-8, 13=0-3-8
Max Horz 2=466(LC 11)
Max Uplift 9=-129(LC 12), 2=-264(LC 12), 13=-496(LC 12)
Max Grav 9=1201(LC 19), 2=531(LC 1), 13=2086(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-404/355, 3-4=-302/368, 4-5=-668/184, 5-6=-866/219, 6-7=-871/221, 7-8=-714/208, 8-9=-1073/188
BOT CHORD 2-14=-522/357, 13-14=-518/356, 12-13=-231/254, 11-12=-124/645, 10-11=-153/670
WEBS 3-14=-359/300, 4-12=-138/1169, 5-12=-683/205, 5-11=-62/364, 6-11=-356/149, 7-11=-20/295, 7-10=-647/197, 8-10=-113/1092, 4-13=-1483/329, 3-13=-611/589

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 2-7-2, Interior(1) 2-7-2 to 14-11-5, Exterior(2R) 14-11-5 to 20-8-13, Interior(1) 20-8-13 to 40-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=129, 2=264, 13=496.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

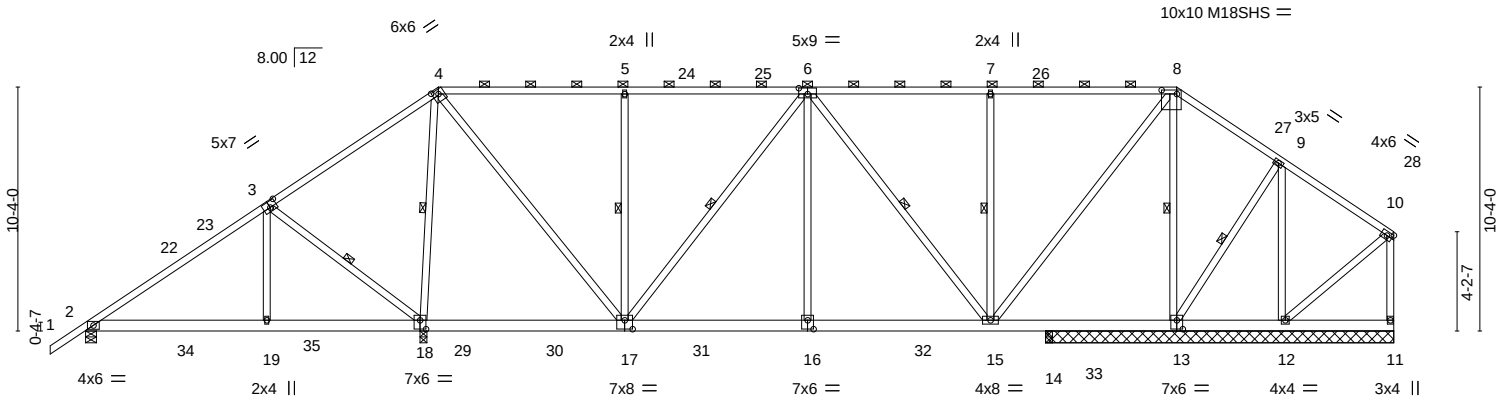
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	B7	Piggyback Base	1	1	T23220345
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:28 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-VnNo9MufmlzYFCJ8SgniikzOfoudTMkF9s3Gc3zaPC5

1-6-0	7-8-2	14-11-5	22-10-1	30-7-0	38-3-15	46-2-11	50-8-1	55-5-0
1-6-0	7-8-2	7-3-4	7-10-11	7-8-15	7-8-15	7-10-11	4-5-7	4-8-15

Scale = 1:97.6



7-8-2	14-3-12	14-11-5	22-10-1	30-7-0	38-3-15	40-11-8	46-2-11	50-8-1	55-5-0
7-8-2	6-7-10	0-7-9	7-10-11	7-8-15	7-8-15	2-7-9	5-3-3	4-5-7	4-8-15

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [4:0-3-0,0-2-3], [6:0-4-8,0-3-0], [8:0-7-12,0-2-0], [13:0-3-0,0-4-8], [16:0-3-0,0-4-8], [17:0-4-0,0-4-8], [18:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.09	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.15	15-16	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 420 lb	FT = 20%

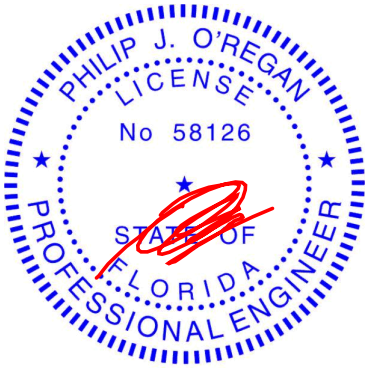
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-17, 6-17, 6-15, 7-15, 8-13, 9-13, 4-18, 3-18

REACTIONS. All bearings 14-9-0 except (jt=length) 2=0-5-8, 18=0-3-8, 14=0-3-8.
(lb) - Max Horz 2=380(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 11, 14 except 2=-243(LC 12), 18=-543(LC 12), 13=-242(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11 except 2=459(LC 21), 18=2330(LC 17), 13=1712(LC 18), 12=359(LC 18), 14=349(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-302/307, 3-4=-213/506, 4-5=-737/187, 5-6=-738/187, 6-7=-612/209, 7-8=-612/209, 8-9=-12/334
BOT CHORD 2-19=-340/235, 18-19=-335/234, 17-18=-282/337, 16-17=0/969, 15-16=0/969, 14-15=-306/253, 13-14=-306/253
WEBS 3-19=-412/307, 4-17=-174/1356, 5-17=-503/201, 6-17=-409/91, 6-16=0/472, 6-15=-609/42, 7-15=-503/203, 8-15=-152/1203, 8-13=-1385/214, 4-18=-1687/341, 3-18=-600/661

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=55ft; eave=7ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 4-0-8, Interior(1) 4-0-8 to 14-11-5, Exterior(2R) 14-11-5 to 22-10-1, Interior(1) 22-10-1 to 46-2-11, Exterior(2R) 46-2-11 to 54-0-12, Interior(1) 54-0-12 to 55-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 11, 14 except (jt=lb) 2=243, 18=543, 13=242.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:
March 17,2021

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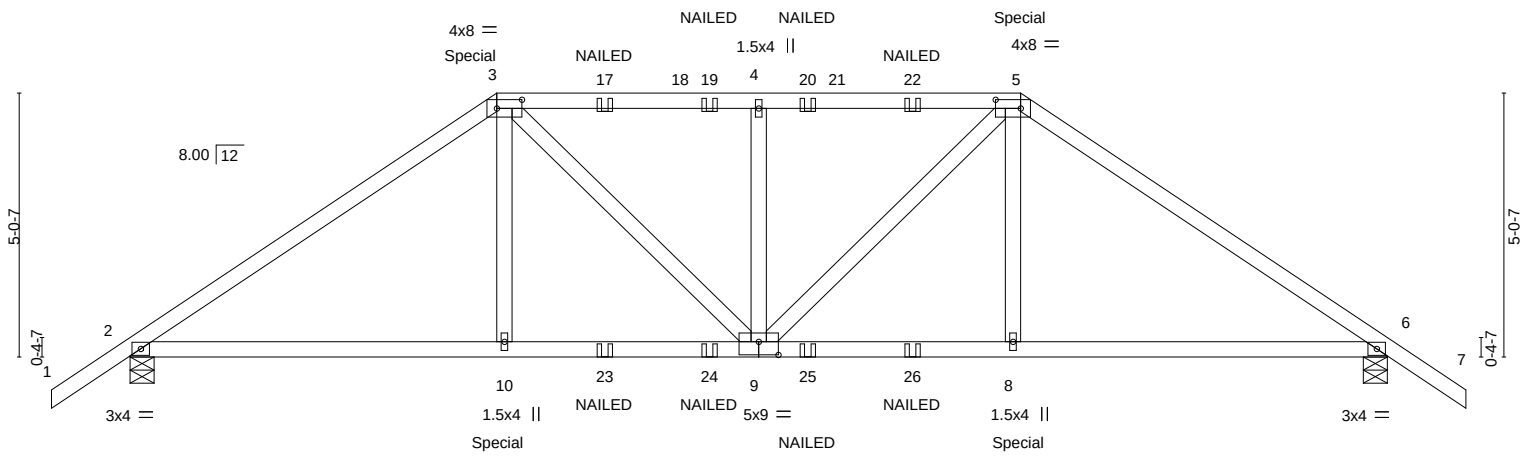
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C1GIR	Hip Girder	1	2	T23220346
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:33 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-slAhC3yobHbrLzC6FDNtPngJ8paj8n6_J7n1HGzaPC0

-1-6-0 | 7-0-0 | 12-0-0 | 17-0-0 | 24-0-0 | 25-6-0
1-6-0 | 7-0-0 | 5-0-0 | 5-0-0 | 7-0-0 | 1-6-0

Scale = 1:44.0



7-0-0 | 12-0-0 | 17-0-0 | 24-0-0
7-0-0 | 5-0-0 | 5-0-0 | 7-0-0

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

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	0.49	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.11	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 241 lb	FT = 20%

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

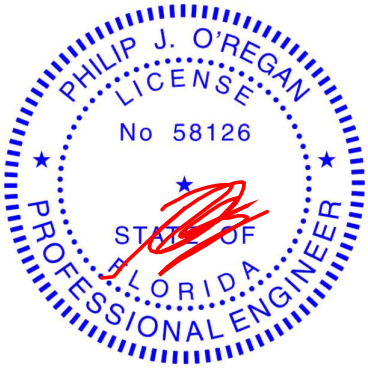
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=-155(LC 6)
Max Uplift 2=-596(LC 8), 6=-596(LC 8)
Max Grav 2=2083(LC 1), 6=2083(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3195/902, 3-4=-3059/922, 4-5=-3059/922, 5-6=-3195/902
BOT CHORD 2-10=-625/2560, 9-10=-627/2581, 8-9=-587/2581, 6-8=-585/2560
WEBS 3-10=-94/690, 3-9=-200/731, 4-9=-692/362, 5-9=-200/731, 5-8=-94/690

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=596, 6=596.
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) 258 lb down and 233 lb up at 7-0-0, and 258 lb down and 233 lb up at 17-0-0 on top chord, and 493 lb down and 194 lb up at 7-0-0, and 493 lb down and 194 lb up at 16-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

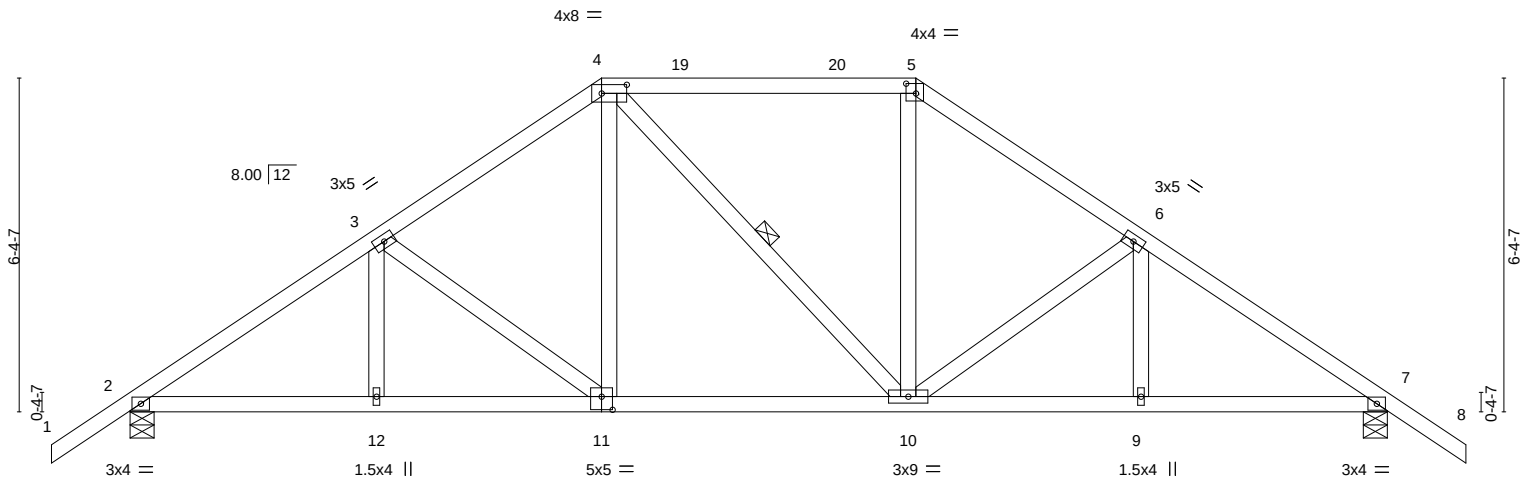
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 5-7=-60, 11-14=-20
   Concentrated Loads (lb)
   Vert: 3=-165(F) 5=-165(F) 10=-493(F) 8=-493(F) 17=-126(F) 19=-126(F) 20=-126(F) 22=-126(F) 23=-62(F) 24=-62(F) 25=-62(F) 26=-62(F)

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C2	Hip	1	1	T23220347
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:34 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-Kxk3PPzQMbjiz7nIpwu6y?DWZDxBtDw8YnWbpizaPC?

-1-6-0	4-8-7	9-0-0	15-0-0	19-3-9	24-0-0	25-6-0
1-6-0	4-8-7	4-3-9	6-0-0	4-3-9	4-8-7	1-6-0

Scale = 1:44.0



4-8-7	9-0-0	15-0-0	19-3-9	24-0-0
4-8-7	4-3-9	6-0-0	4-3-9	4-8-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.04	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 136 lb	FT = 20%

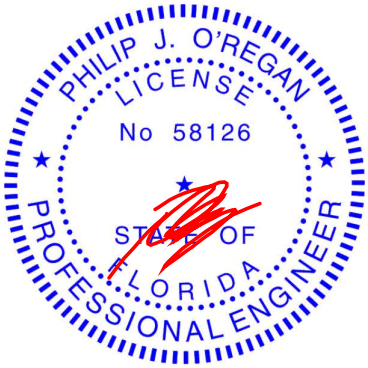
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-10

REACTIONS. (size) 2=0-5-8, 7=0-5-8
Max Horz 2=-191(LC 10)
Max Uplift 2=-200(LC 12), 7=-200(LC 12)
Max Grav 2=1050(LC 1), 7=1050(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1451/205, 3-4=-1157/226, 4-5=-905/225, 5-6=-1151/225, 6-7=-1451/205
BOT CHORD 2-12=-44/1176, 11-12=-44/1176, 10-11=0/903, 9-10=-44/1151, 7-9=-44/1151
WEBS 3-11=-343/106, 4-11=-0/352, 5-10=0/352, 6-10=-346/106

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=200, 7=200.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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March 17,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C3	Hip	1	1	T23220348
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:35 2021 Page 1
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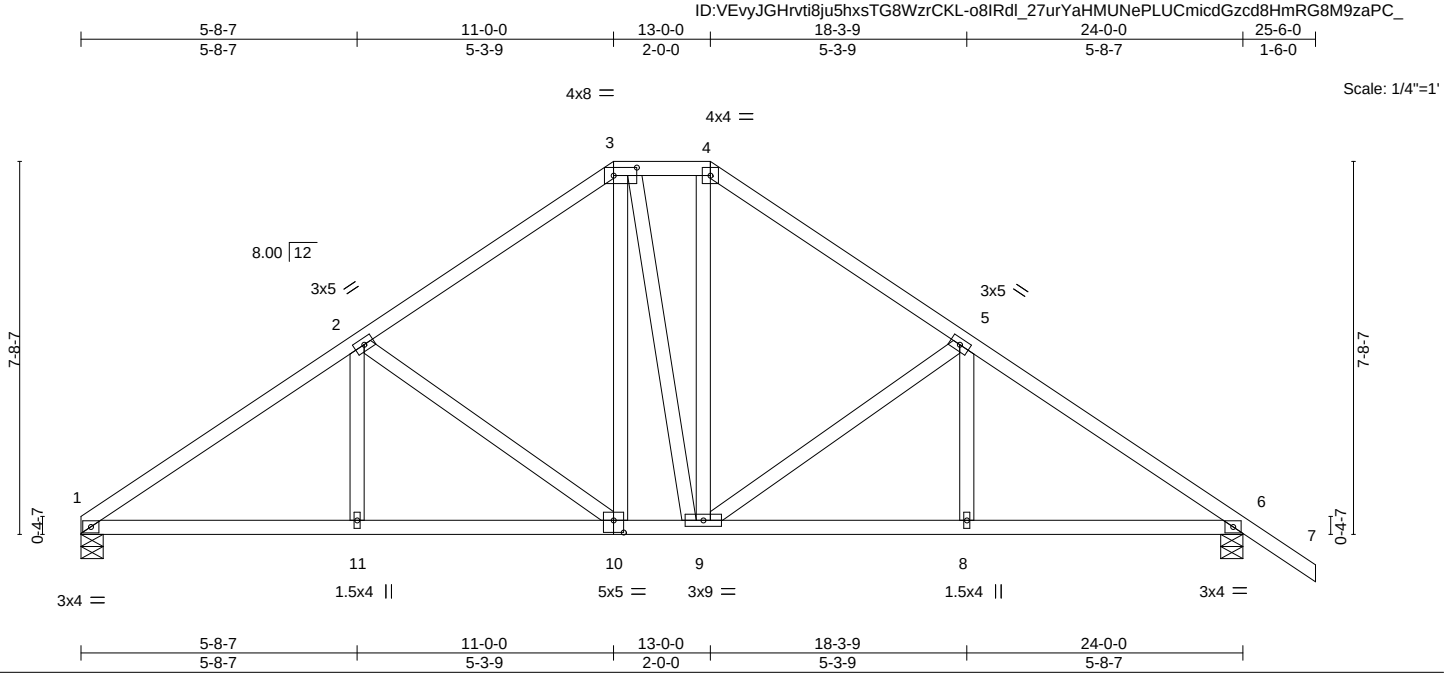


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [10:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.04	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.09	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 143 lb	FT = 20%

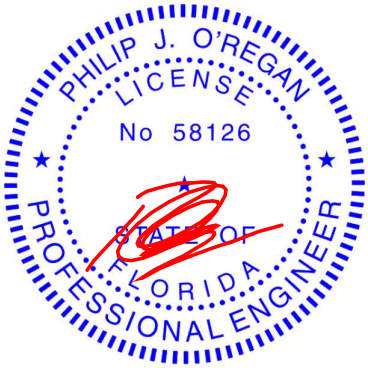
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 1=0-5-8, 6=0-5-8
Max Horz 1=-220(LC 10)
Max Uplift 1=-134(LC 12), 6=-203(LC 12)
Max Grav 1=957(LC 1), 6=1053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1428/227, 2-3=-1039/238, 3-4=-781/239, 4-5=-1033/235, 5-6=-1432/213
BOT CHORD 1-11=-54/1184, 10-11=-54/1184, 9-10=0/790, 8-9=-39/1128, 6-8=-39/1128
WEBS 2-10=-487/160, 3-10=-49/336, 4-9=-42/335, 5-9=-470/141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=134, 6=203.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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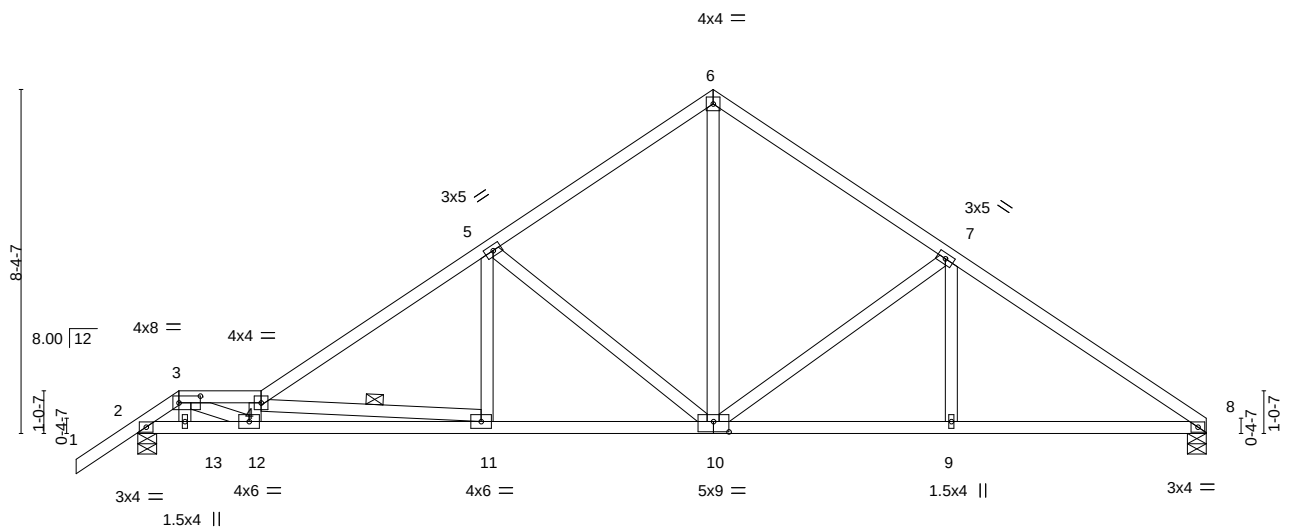
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C4	Roof Special	1	1	T23220349
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:36 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-GKsqq5?guCzPCRxhwLxa1QIrv0TsL0LR?5?itbzaPBz

-1-6-0 1-6-0 | 1-0-0 1-0-0 | 3-0-0 2-0-0 | 8-6-0 5-6-0 | 14-0-0 5-6-0 | 19-9-9 5-9-9 | 26-0-0 6-2-7

Scale = 1:56.1



1-0-0 1-0-0 | 3-0-0 2-0-0 | 8-6-0 5-6-0 | 14-0-0 5-6-0 | 19-9-9 5-9-9 | 26-0-0 6-2-7

Plate Offsets (X,Y)-- [3:0-6-4,0-2-0], [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	0.39	Vert(LL)	-0.16	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.34	11-12	>928	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 143 lb	FT = 20%

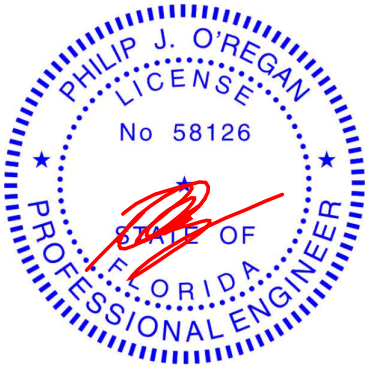
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 8=0-5-8, 2=0-5-8
Max Horz 2=239(LC 11)
Max Uplift 8=-145(LC 12), 2=-214(LC 12)
Max Grav 8=1037(LC 1), 2=1133(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1659/173, 3-4=-3217/405, 4-5=-1743/270, 5-6=-1120/260, 6-7=-1126/257, 7-8=-1548/246
BOT CHORD 2-13=-97/1354, 12-13=-99/1376, 11-12=-419/3377, 10-11=-128/1415, 9-10=-117/1237, 8-9=-117/1237
WEBS 3-12=-303/2017, 4-12=-834/201, 4-11=-1981/294, 5-11=0/469, 5-10=-743/191, 6-10=-147/826, 7-10=-527/170, 7-9=0/257

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=145, 2=214.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C5	Roof Special	1	1	T23220350
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:37 2021 Page 1
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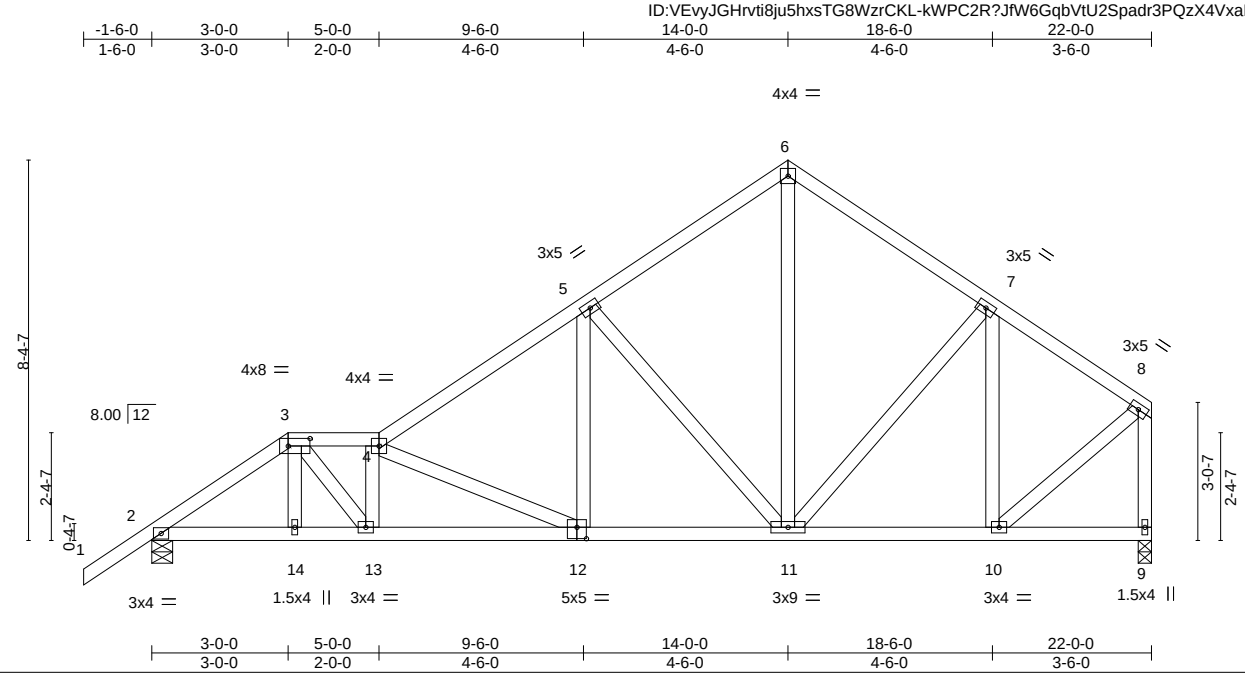


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [12:0-2-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.05	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.10	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 145 lb	FT = 20%

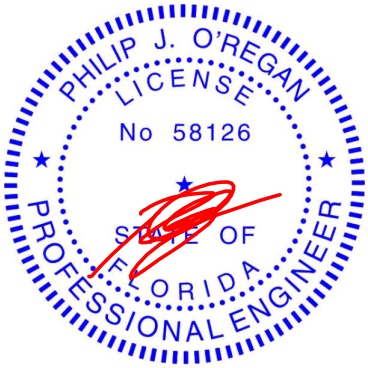
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 9=0-3-8
Max Horz 2=287(LC 11)
Max Uplift 2=-190(LC 12), 9=-122(LC 12)
Max Grav 2=967(LC 1), 9=871(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1332/170, 3-4=-1571/237, 4-5=-1217/214, 5-6=-750/217, 6-7=-746/215, 7-8=-660/151, 8-9=-840/140
BOT CHORD 2-14=-119/1116, 13-14=-118/1119, 12-13=-191/1609, 11-12=-72/978, 10-11=-17/511
WEBS 3-13=-121/762, 4-13=-512/131, 4-12=-714/142, 5-12=-5/427, 5-11=-611/166, 6-11=-124/510, 7-10=-340/80, 8-10=-49/650

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 9=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C6	Roof Special	1	1	T23220351
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:38 2021 Page 1
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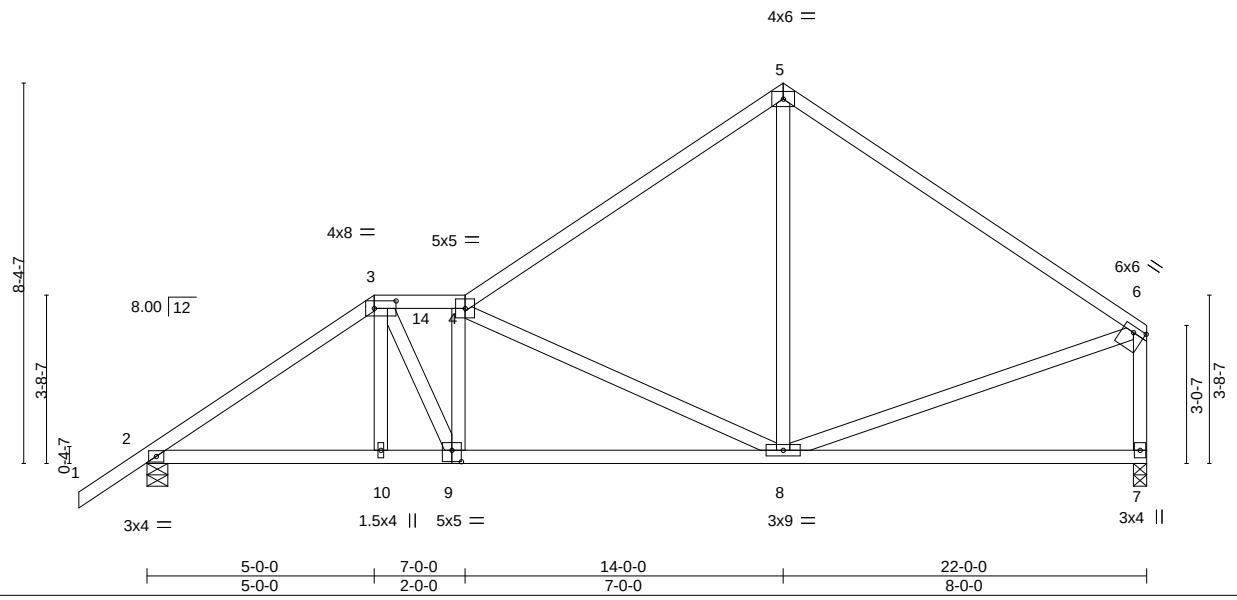


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [6:0-3-0,0-1-8], [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.17	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 128 lb	FT = 20%

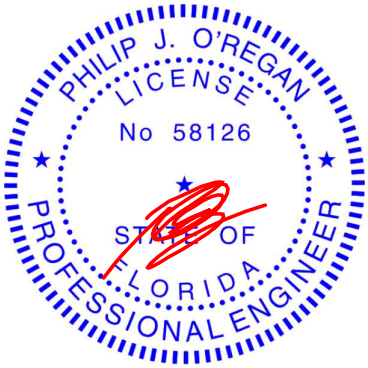
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 7=0-3-8
Max Horz 2=287(LC 11)
Max Uplift 2=-190(LC 12), 7=-122(LC 12)
Max Grav 2=967(LC 1), 7=871(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1281/184, 3-4=-1219/224, 4-5=-810/191, 5-6=-831/184, 6-7=-797/164
BOT CHORD 2-10=-106/1047, 9-10=-105/1050, 8-9=-132/1272
WEBS 3-9=-77/485, 4-9=-351/137, 4-8=-752/192, 5-8=0/438, 6-8=-5/556

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 7=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C7	Roof Special	1	1	T23220352
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:40 2021 Page 1
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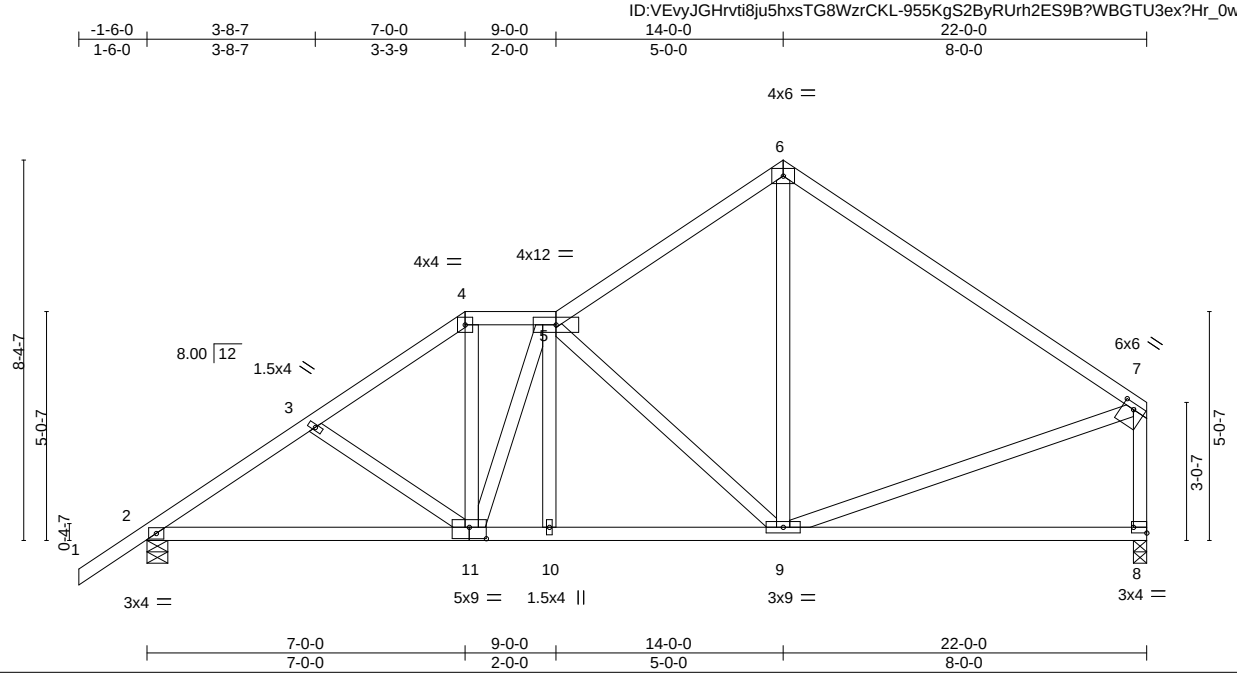


Plate Offsets (X,Y)-- [7:0-3-0,0-1-8], [8:Edge,0-1-8], [11:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.09	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.19	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 138 lb	FT = 20%

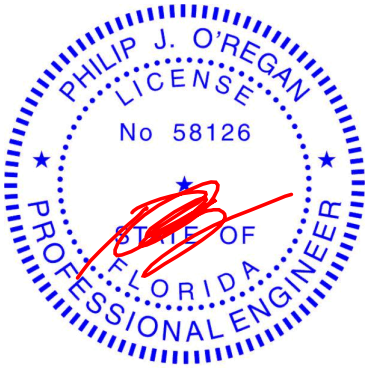
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 8=0-3-8
Max Horz 2=287(LC 11)
Max Uplift 2=-190(LC 12), 8=-122(LC 12)
Max Grav 2=967(LC 1), 8=871(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1296/207, 3-4=-1127/193, 4-5=-892/192, 5-6=-759/203, 6-7=-826/184, 7-8=-794/165
BOT CHORD 2-11=-151/1110, 10-11=-93/993, 9-10=-93/992
WEBS 4-11=-40/440, 5-9=-561/152, 6-9=-24/447, 7-9=-9/537

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 8=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C8	Roof Special	1	1	T23220353
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:41 2021 Page 1
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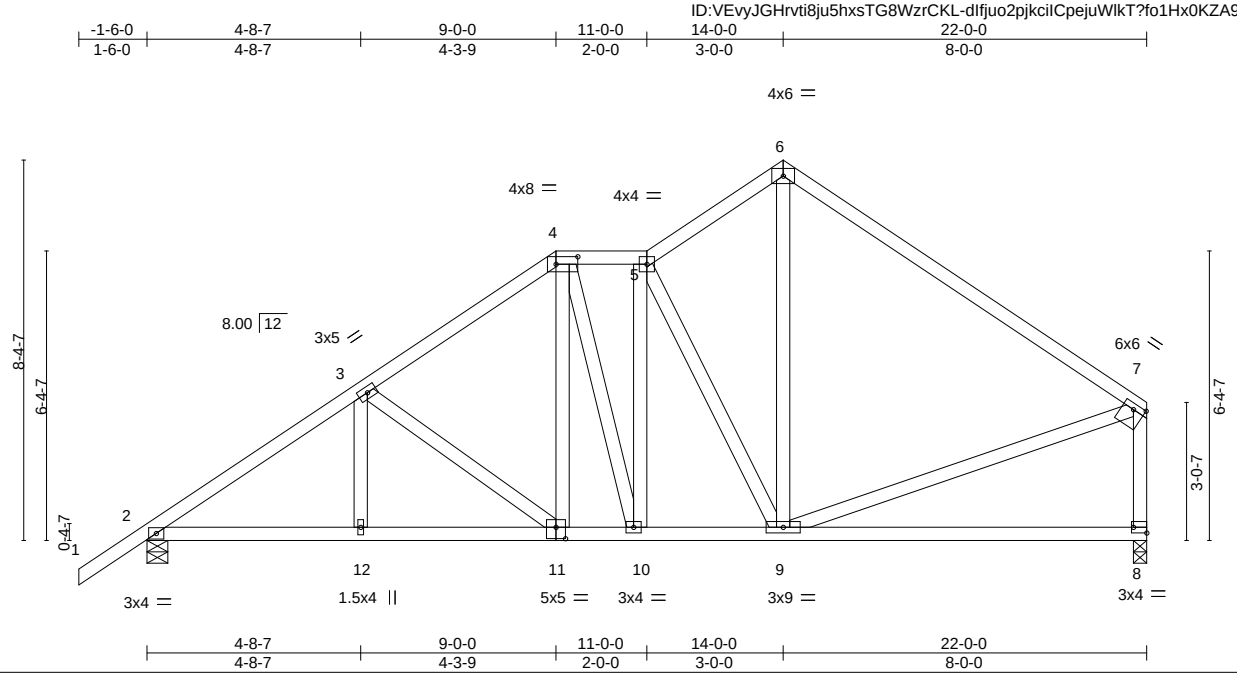


Plate Offsets (X,Y)-- [4:0-5-12,0-2-0], [7:0-3-0,0-1-8], [8:Edge,0-1-8], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.19	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-AS							Weight: 150 lb	FT = 20%

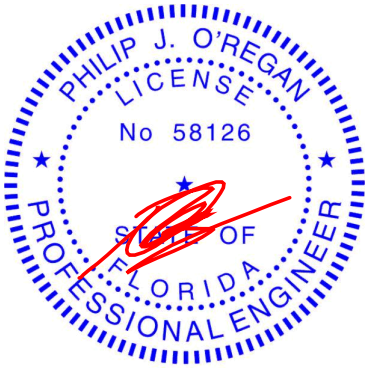
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 8=0-3-8
Max Horz 2=287(LC 11)
Max Uplift 2=-190(LC 12), 8=-122(LC 12)
Max Grav 2=967(LC 1), 8=871(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1310/186, 3-4=-1003/211, 4-5=-773/211, 5-6=-692/209, 6-7=-825/184, 7-8=-793/165
BOT CHORD 2-12=-129/1093, 11-12=-129/1093, 10-11=-80/799, 9-10=-69/789
WEBS 3-11=-366/107, 4-11=-16/313, 5-9=-474/128, 6-9=-35/449, 7-9=-8/530

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 8=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C9	Roof Special	1	1	T23220354
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:42 2021 Page 1
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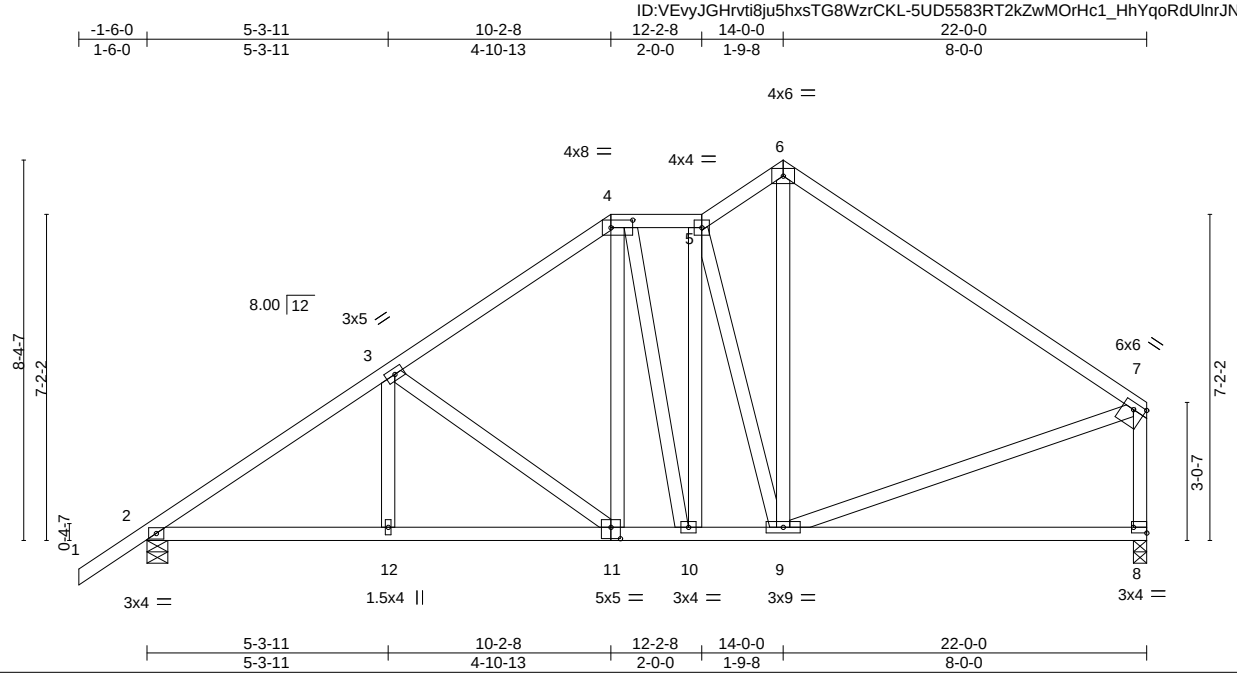


Plate Offsets (X,Y)-- [4:0-5-12,0-2-0], [7:Edge,0-1-12], [8:Edge,0-1-8], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.09	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.18	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 156 lb	FT = 20%

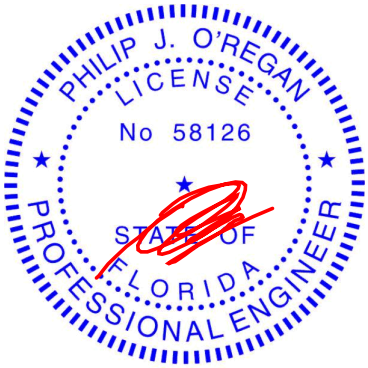
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 8=0-3-8
Max Horz 2=287(LC 11)
Max Uplift 2=-190(LC 12), 8=-122(LC 12)
Max Grav 2=967(LC 1), 8=871(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1293/189, 3-4=-932/212, 4-5=-674/212, 5-6=-645/197, 6-7=-827/184, 7-8=-794/165
BOT CHORD 2-12=-123/1072, 11-12=-123/1072, 10-11=-67/727, 9-10=-54/684
WEBS 3-11=-428/128, 4-11=-16/361, 5-9=-427/103, 6-9=-10/432, 7-9=-9/532

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 8=122.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C10	Half Hip	1	1	T23220355
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:29 2021 Page 1
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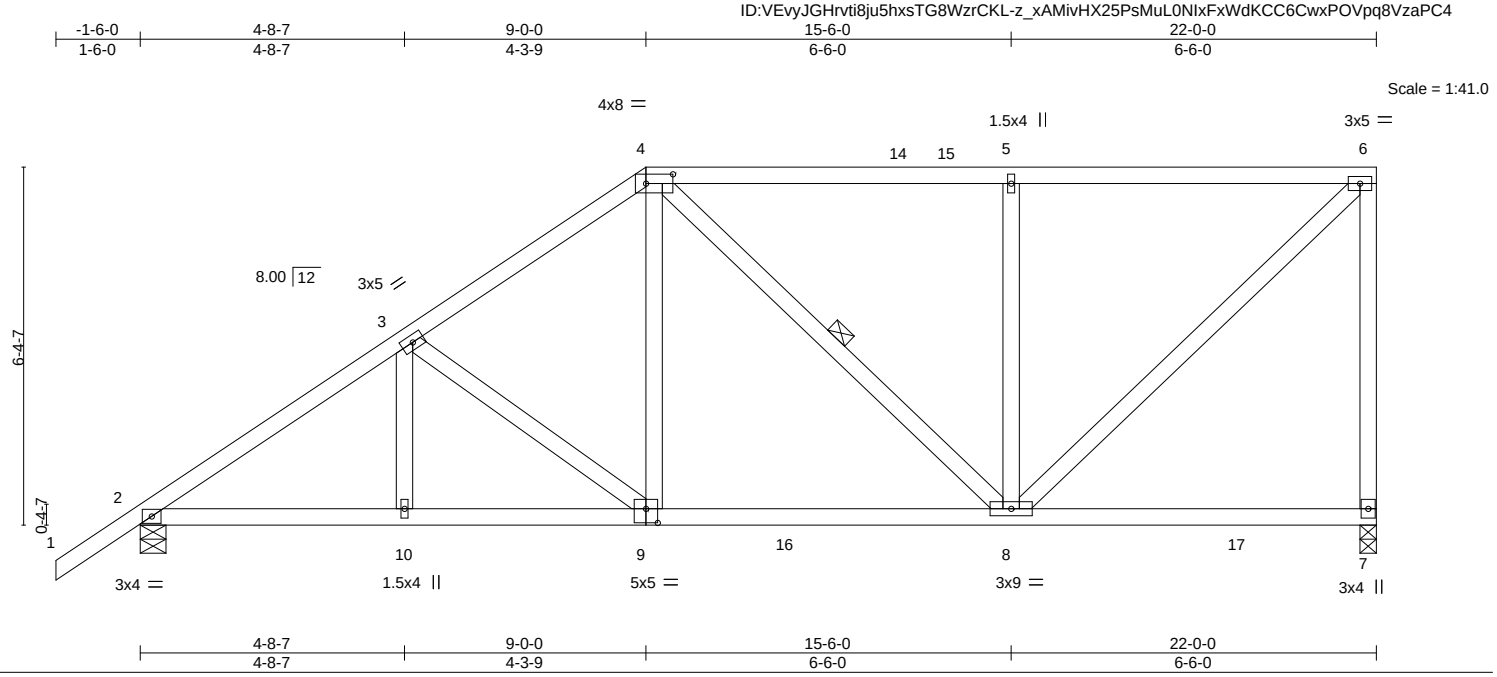


Plate Offsets (X,Y)-- [4:0-5-12,0-2-0], [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 134 lb	FT = 20%

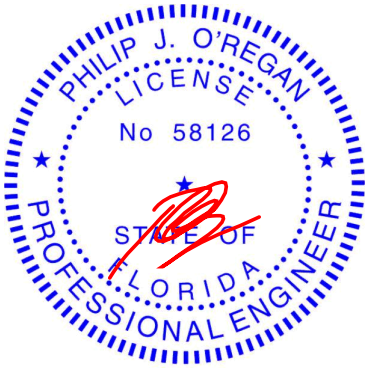
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 7=0-3-8, 2=0-5-8
Max Horz 2=290(LC 11)
Max Uplift 7=-159(LC 9), 2=-186(LC 12)
Max Grav 7=1019(LC 17), 2=1105(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1492/180, 3-4=-1159/200, 4-5=-801/190, 5-6=-801/190, 6-7=-891/184
BOT CHORD 2-10=-255/1289, 9-10=-255/1289, 8-9=-208/969
WEBS 3-9=-399/107, 4-9=0/465, 5-8=-442/191, 6-8=-172/1091

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=159, 2=186.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	C11GIR	Half Hip Girder	1	2	T23220356
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:31 2021 Page 1
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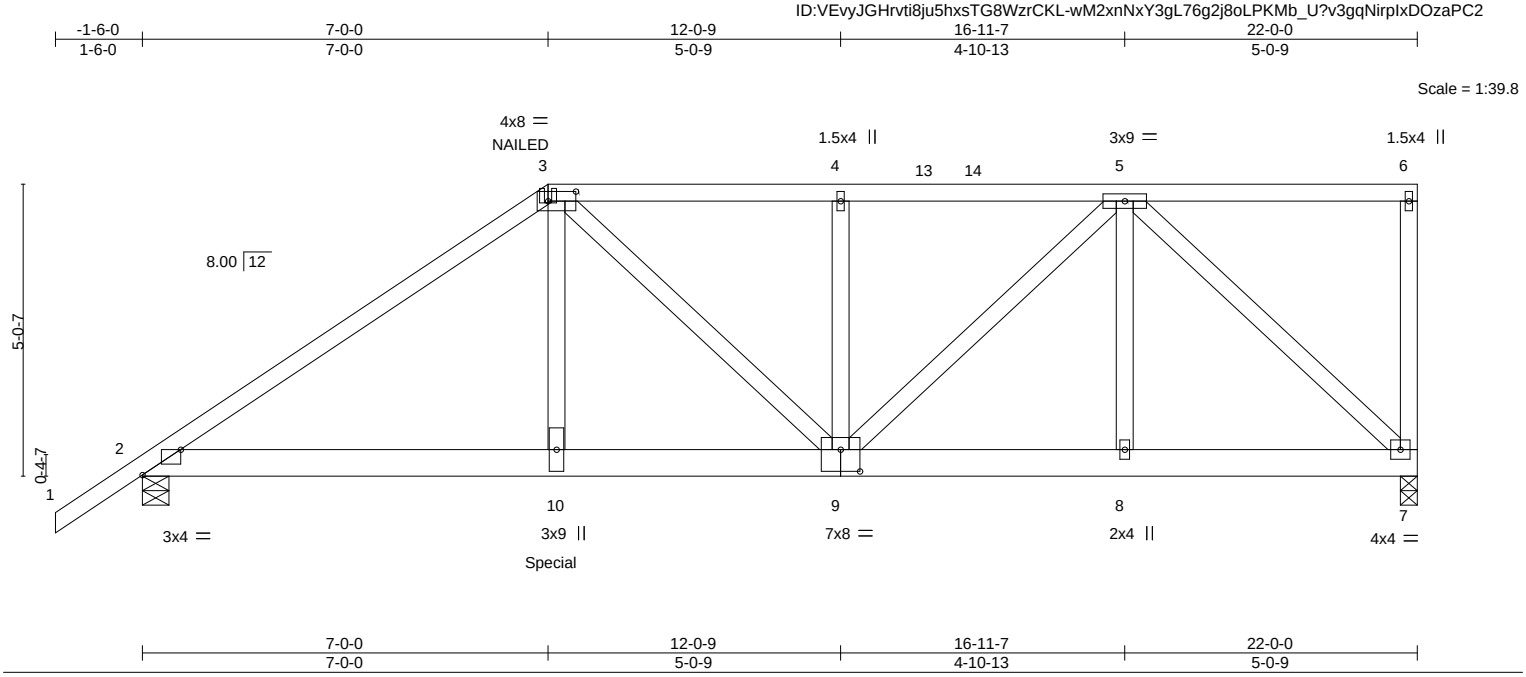


Plate Offsets (X,Y)-- [2:0-7-15,Edge], [3:0-5-12,0-2-0], [9:0-4-0,0-4-8]

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	0.43	Vert(LL)	-0.04	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.08	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 286 lb	FT = 20%

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

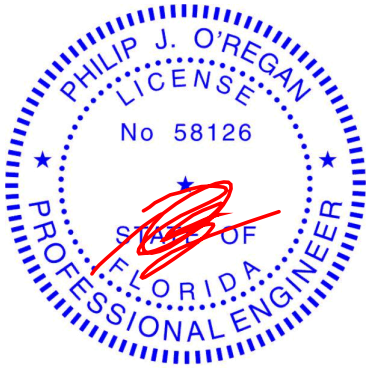
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-5-8
Max Horz 2=228(LC 5)
Max Uplift 7=-291(LC 5), 2=-475(LC 8)
Max Grav 7=1369(LC 1), 2=1992(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3071/699, 3-4=-2077/506, 4-5=-2077/506
BOT CHORD 2-10=-644/2459, 9-10=-654/2511, 8-9=-318/1268, 7-8=-318/1268
WEBS 3-10=-348/1680, 3-9=-612/356, 4-9=-311/113, 5-9=-269/1117, 5-7=-1732/370

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=291, 2=475.
10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (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) 1484 lb down and 417 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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March 17,2021

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-6=-60, 2-7=-20
   Concentrated Loads (lb)
   Vert: 3=-39(B) 10=-1484(B)

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	CJ01	Diagonal Hip Girder	5	1	T23220357
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:43 2021 Page 1
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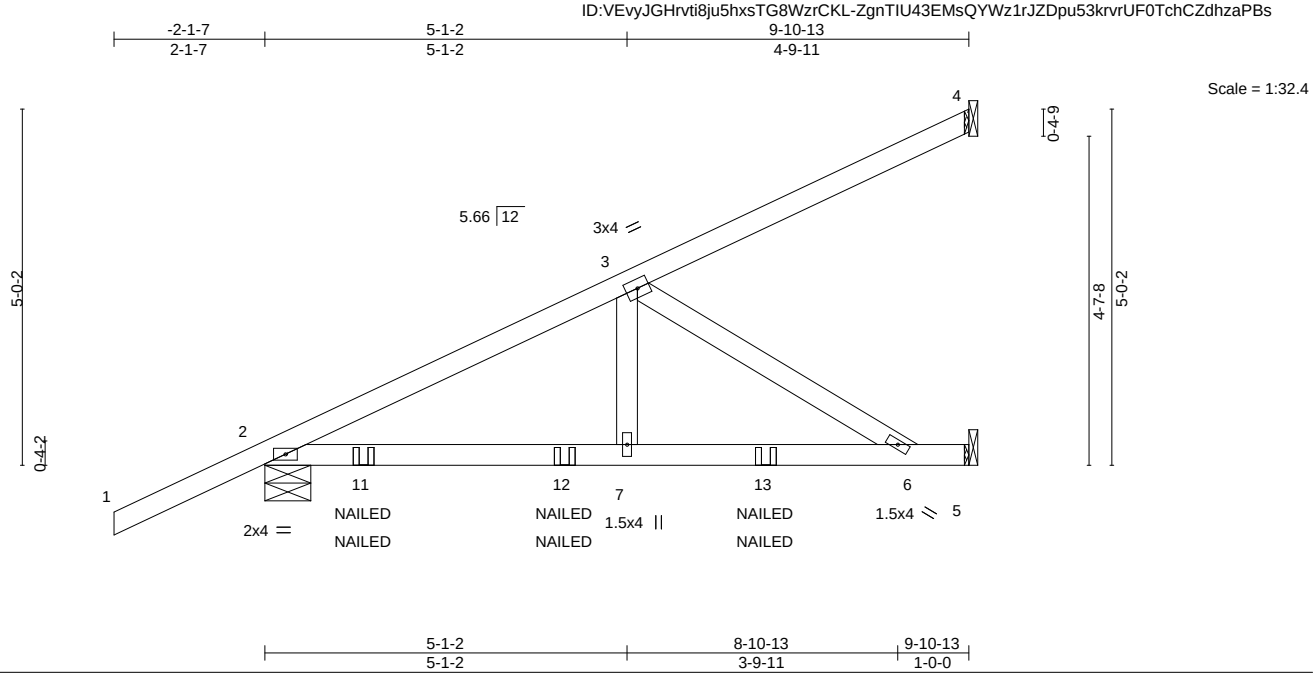


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.12	6-7	>960	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.19	6-7	>612	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 45 lb	FT = 20%

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

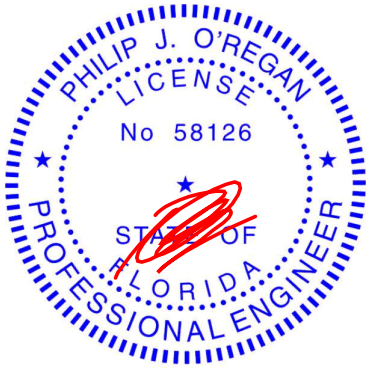
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-7-12, 5=Mechanical
Max Horz 2=218(LC 24)
Max Uplift 4=-62(LC 8), 2=-296(LC 8), 5=-185(LC 8)
Max Grav 4=124(LC 1), 2=617(LC 28), 5=483(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-837/252
BOT CHORD 2-7=-335/743, 6-7=-335/743
WEBS 3-7=-205/493, 3-6=-867/391

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=296, 5=185.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=116(F=58, B=58) 12=-87(F=-43, B=-43) 13=-255(F=-127, B=-127)



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	CJ02	Diagonal Hip Girder	1	1	T23220358
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:44 2021 Page 1
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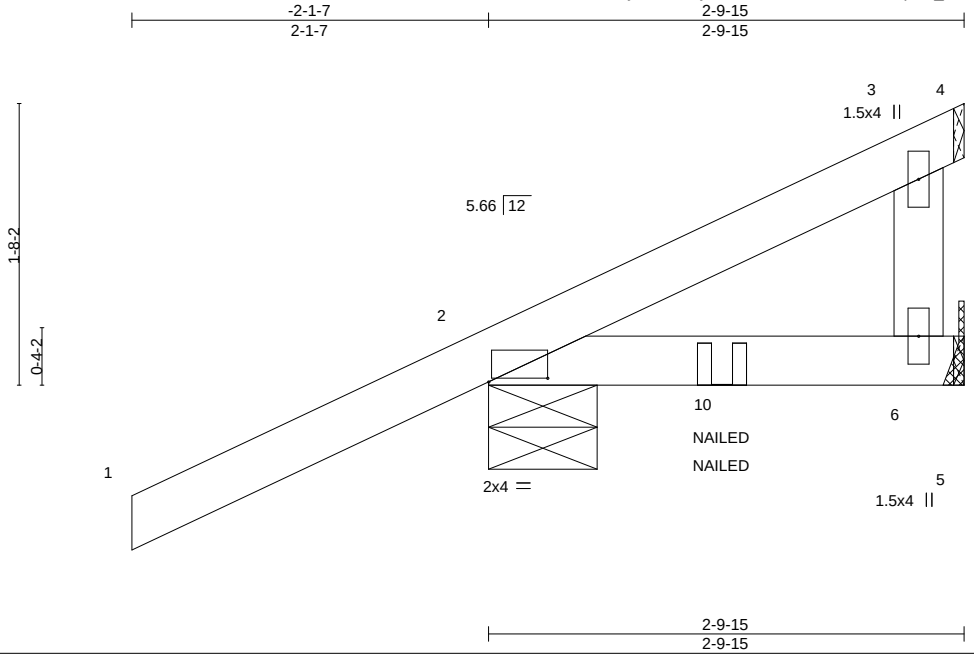


Plate Offsets (X,Y)-- [2:0-4-3,0-0-4]

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	0.34	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)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

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

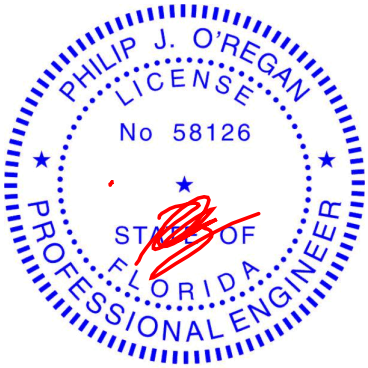
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-7-12
Max Horz 2=76(LC 7)
Max Uplift 6=-55(LC 5), 2=-189(LC 8)
Max Grav 6=81(LC 25), 2=249(LC 28)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=189.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 5-7=-20
Concentrated Loads (lb)
Vert: 10=116(F=58, B=58)



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	CJ03	Diagonal Hip Girder	2	1	T23220359
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:45 2021 Page 1
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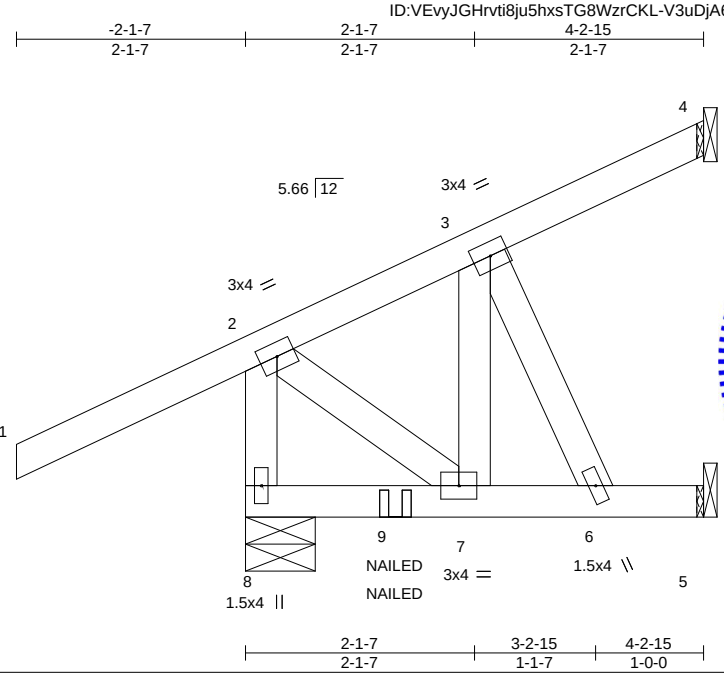

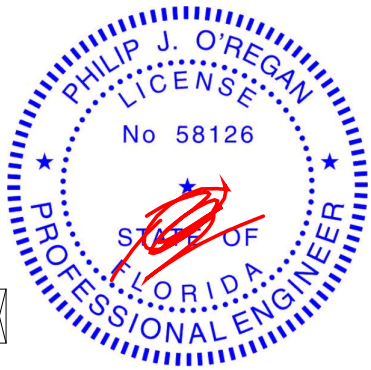

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

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	0.39	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 29 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 8=0-7-12, 4=Mechanical, 5=Mechanical
Max Horz 8=167(LC 8)
Max Uplift 8=-266(LC 8), 4=-49(LC 8), 5=-92(LC 5)
Max Grav 8=328(LC 28), 4=71(LC 28), 5=98(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-303/212
WEBS 3-7=-320/185, 3-6=-186/262

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 8=266.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 9=90(F=45, B=45)

March 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	CJ04	Diagonal Hip Girder	2	1	T23220360
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:46 2021 Page 1
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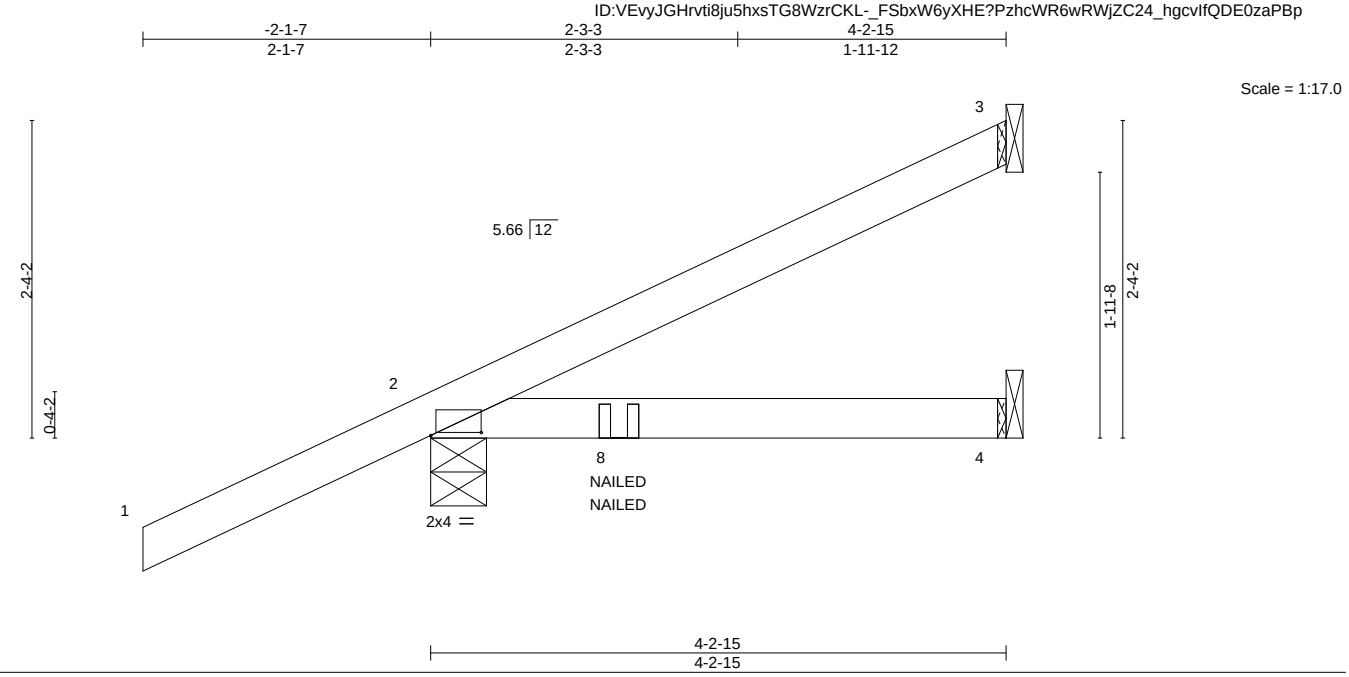


Plate Offsets (X,Y)-- [2:0-4-7,0-0-4]

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	0.34	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.02	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 17 lb	FT = 20%

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

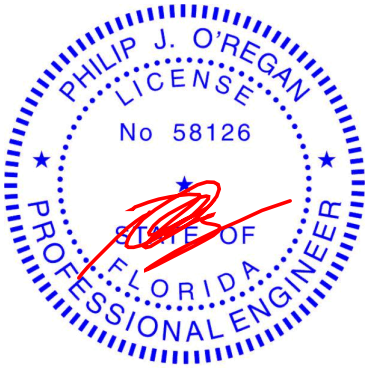
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-15, 4=Mechanical
Max Horz 2=124(LC 24)
Max Uplift 3=-47(LC 8), 2=-186(LC 8), 4=-3(LC 5)
Max Grav 3=95(LC 28), 2=292(LC 28), 4=47(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=186.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 8=116(F=58, B=58)



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Date:
March 17,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	D1GIR	Hip Girder	1	1	T23220361
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:47 2021 Page 1
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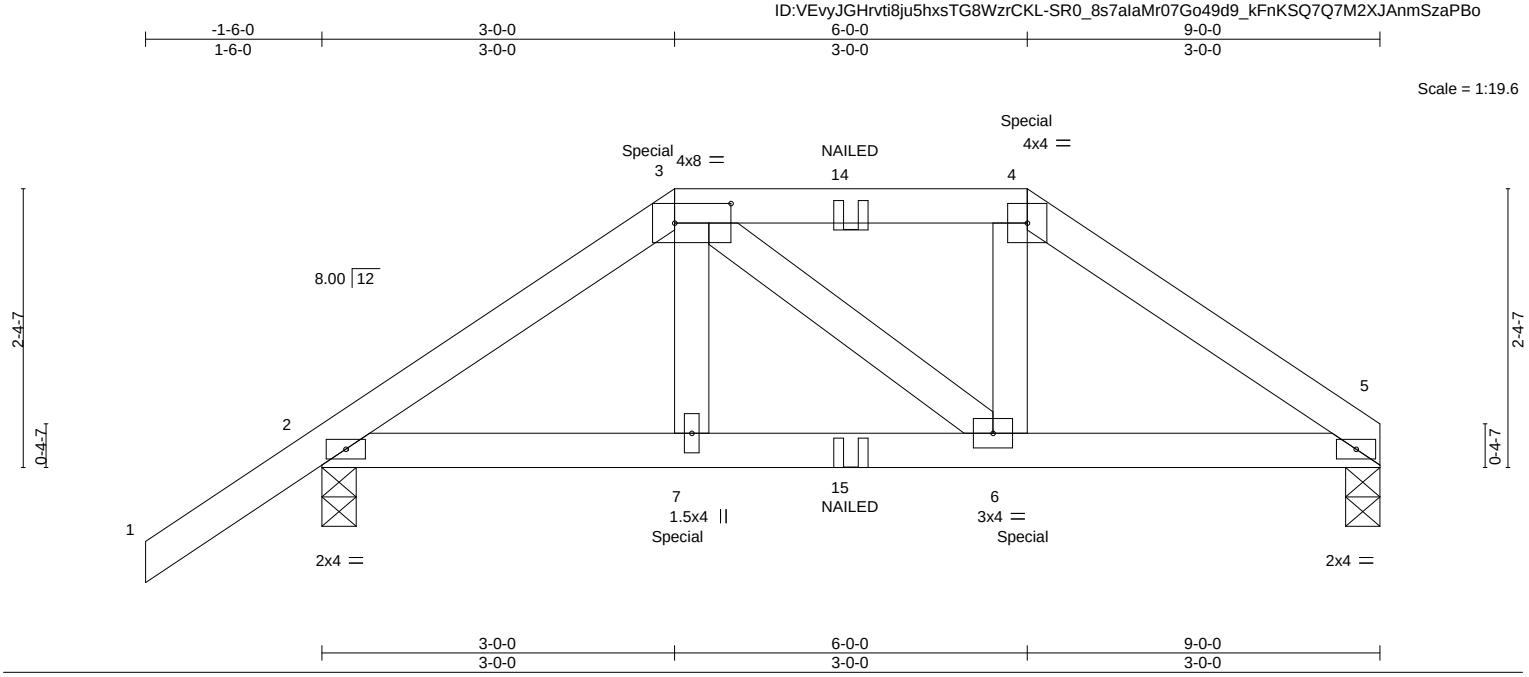


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0]

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	0.19	Vert(LL)	-0.01	6-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	6-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 42 lb	FT = 20%

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

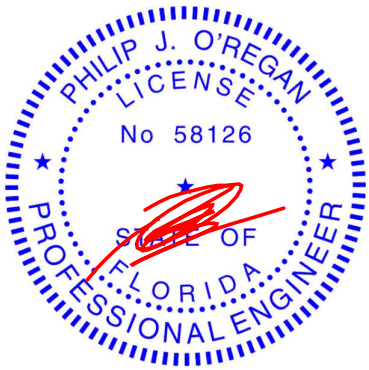
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 2=0-3-8
Max Horz 2=74(LC 24)
Max Uplift 5=-72(LC 8), 2=-152(LC 8)
Max Grav 5=442(LC 30), 2=537(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-605/102, 3-4=-490/114, 4-5=-609/113
BOT CHORD 2-7=-71/480, 6-7=-69/488, 5-6=-66/482

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=152.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 167 lb down and 127 lb up at 3-0-0, and 167 lb down and 127 lb up at 6-0-0 on top chord, and 64 lb down and 9 lb up at 3-0-0, and 64 lb down and 9 lb up at 5-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-5=-60, 8-11=-20
Concentrated Loads (lb)
Vert: 3=-8(F) 4=-8(F) 7=-12(F) 6=-12(F) 14=-6(F) 15=-9(F)



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March 17,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	D2	Common	2	1	T23220362
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:48 2021 Page 1
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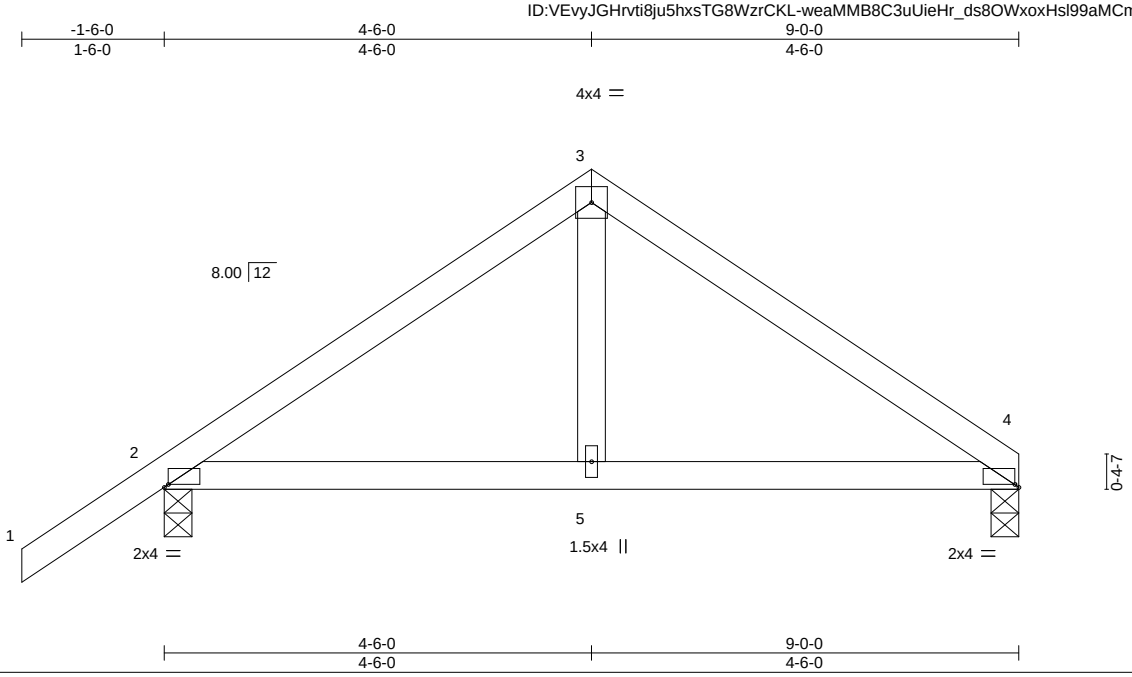


Plate Offsets (X,Y)-- [2:0-0-8,Edge], [4:0-0-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.02	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.03	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 37 lb	FT = 20%

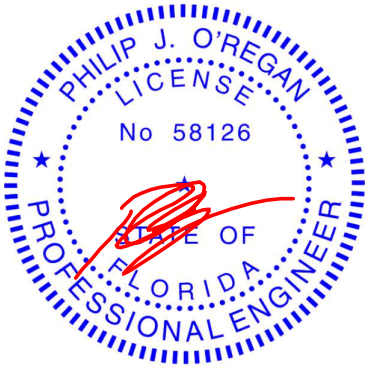
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 4=0-3-8, 2=0-3-8
Max Horz 2=101(LC 11)
Max Uplift 4=-43(LC 12), 2=-122(LC 12)
Max Grav 4=353(LC 1), 2=457(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-413/59, 3-4=-409/55
BOT CHORD 2-5=0/280, 4-5=0/280

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=122.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	D3	Common	2	1	T23220363
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:49 2021 Page 1
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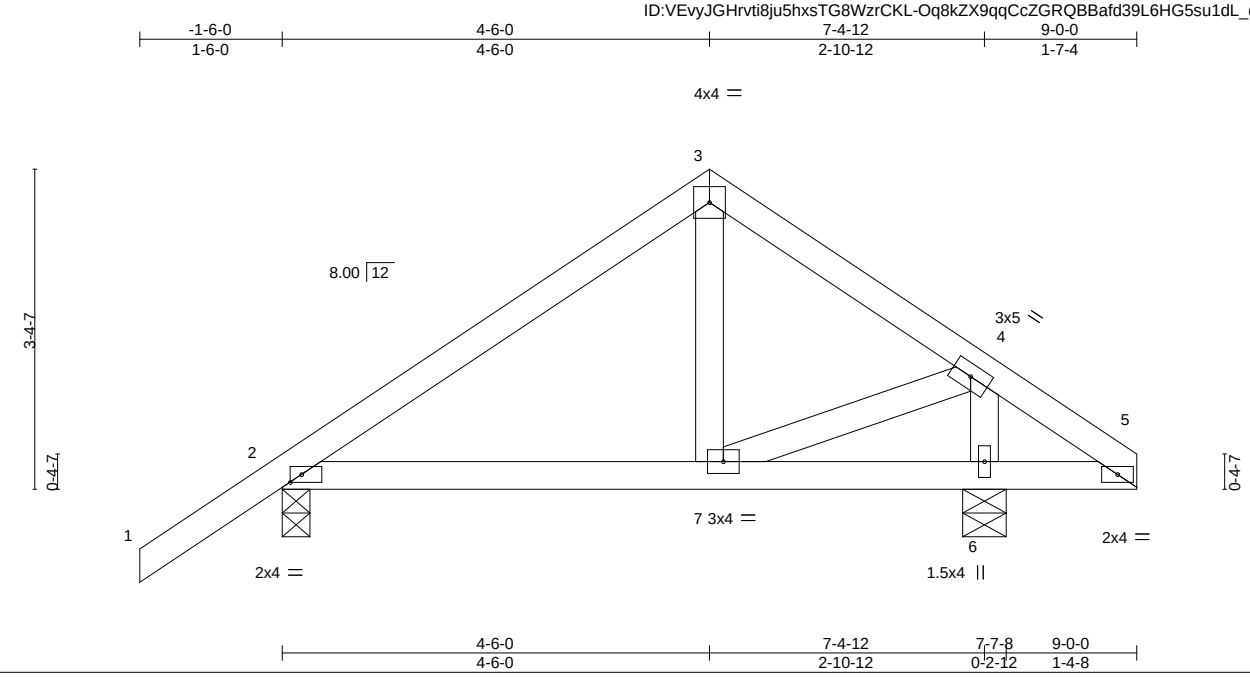


Plate Offsets (X,Y)-- [2:0-1-7,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.02	7-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.03	7-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 42 lb	FT = 20%

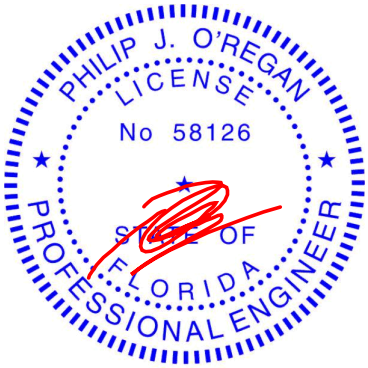
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-3-8, 6=0-5-8
Max Horz 2=101(LC 11)
Max Uplift 2=-113(LC 12), 6=-53(LC 12)
Max Grav 2=381(LC 1), 6=429(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-264/38, 3-4=-256/48
WEBS 4-6=-397/85

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=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.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	E1	Roof Special	1	1	T23220364
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:49 2021 Page 1
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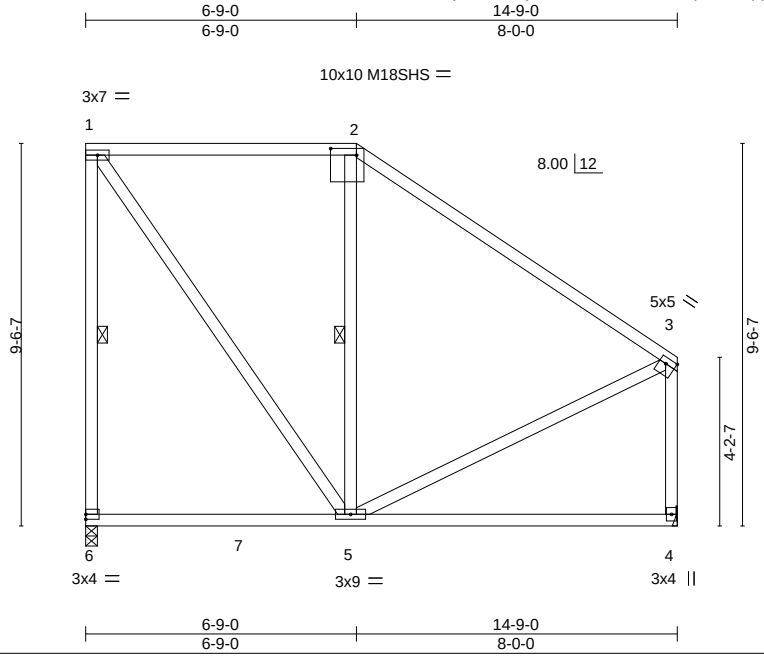

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Plate Offsets (X,Y)-- [2:0-7-12,0-2-0], [3:Edge,0-1-12]

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	0.72	Vert(LL)	-0.09	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.18	4-5	>947	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 108 lb	FT = 20%

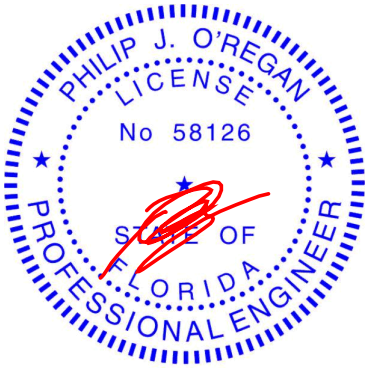
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-6, 2-5

REACTIONS. (size) 6=0-3-8, 4=Mechanical
Max Horz 6=-400(LC 8)
Max Uplift 6=-208(LC 8), 4=-67(LC 12)
Max Grav 6=751(LC 18), 4=667(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-617/222, 1-2=-358/184, 2-3=-515/138, 3-4=-544/114
BOT CHORD 5-6=-424/322
WEBS 1-5=-196/589, 2-5=-304/200, 3-5=-89/363

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=208.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	E2	Roof Special	1	1	T23220365
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:50 2021 Page 1
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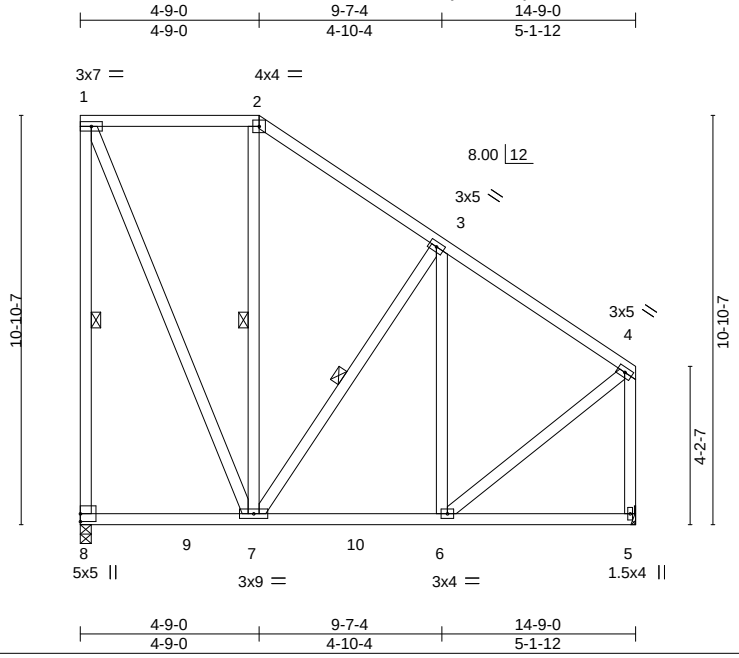


Scale = 1:61.2

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.06	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 132 lb	FT = 20%

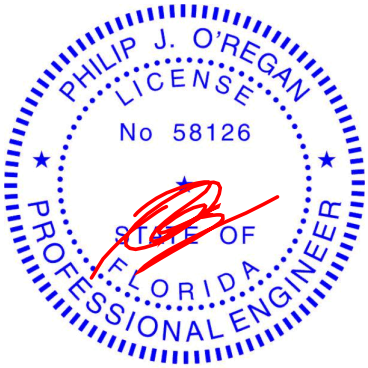
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-8, 2-7, 3-7

REACTIONS. (size) 8=0-3-8, 5=Mechanical
Max Horz 8=-459(LC 8)
Max Uplift 8=-233(LC 8), 5=-61(LC 12)
Max Grav 8=784(LC 18), 5=707(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-678/222, 1-2=-327/189, 2-3=-410/184, 3-4=-497/124, 4-5=-626/88
BOT CHORD 7-8=-483/359, 6-7=-112/404
WEBS 1-7=-212/634, 3-7=-354/159, 4-6=-83/474

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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) 5 except (jt=lb) 8=233.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	E3	PIGGYBACK BASE	1	1	T23220366
					Job Reference (optional)

Mayo Truss, Mayo, Fl, Mitek

8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Mar 17 12:13:32 2021 Page 1
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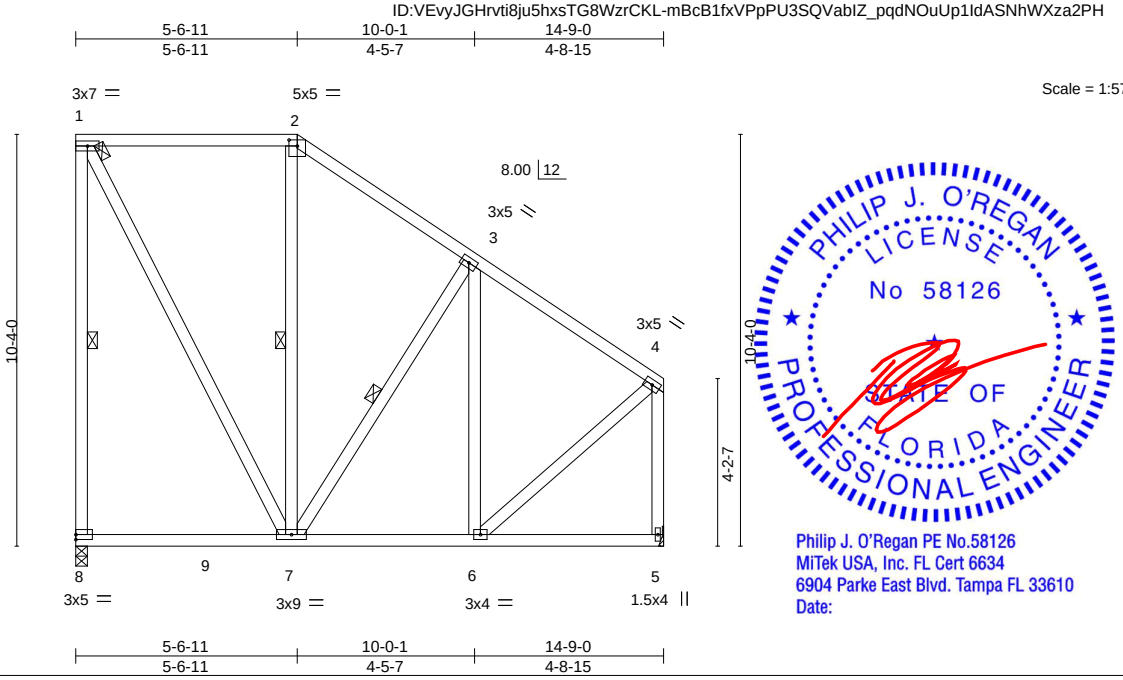

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Date:

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 128 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-8, 2-7, 3-7

REACTIONS. (size) 8=0-3-8, 5=Mechanical
Max Horz 8=-435(LC 8)
Max Uplift 8=-223(LC 8), 5=-64(LC 12)
Max Grav 8=762(LC 18), 5=678(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-637/225, 1-2=-334/186, 2-3=-411/182, 3-4=-455/125, 4-5=-599/89
BOT CHORD 8-9=-458/339, 7-9=-458/339, 6-7=-99/371
WEBS 1-7=-202/584, 3-7=-297/145, 4-6=-68/449

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 8 and 64 lb uplift at joint 5.
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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	G01	Common Girder	1	2	T23220367
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:52 2021 Page 1
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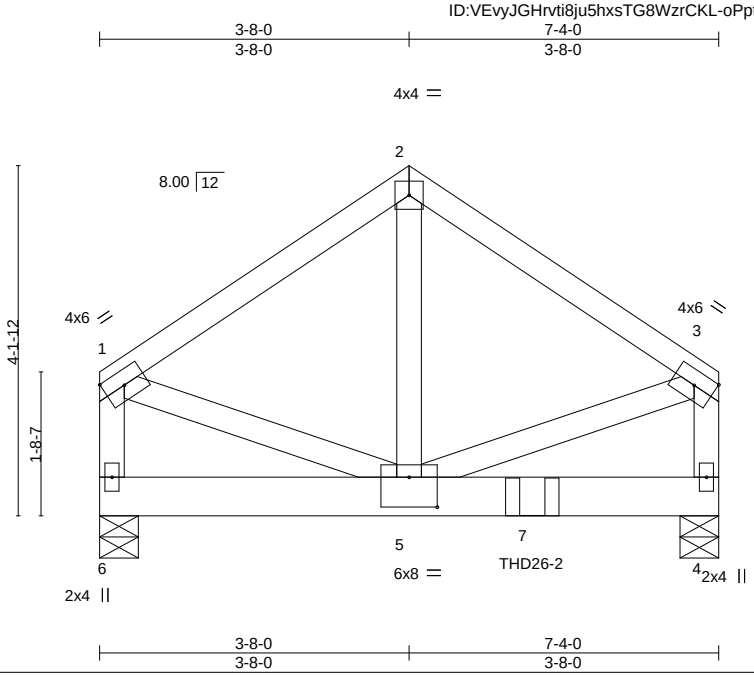

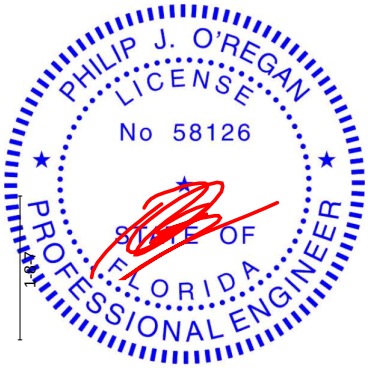

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Date:

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 98 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-5-8, 4=0-5-8
Max Horz 6=-122(LC 6)
Max Uplift 6=-227(LC 8), 4=-491(LC 8)
Max Grav 6=1127(LC 1), 4=2321(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1439/325, 2-3=-1439/325, 1-6=-1338/296, 3-4=-1337/296
WEBS 2-5=-285/1361, 1-5=-245/1247, 3-5=-245/1246

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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=227, 4=491.
9) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 5-1-8 from the left end to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

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

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-2885(B)

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	G02	Common Girder	1	1	T23220368
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:53 2021 Page 1
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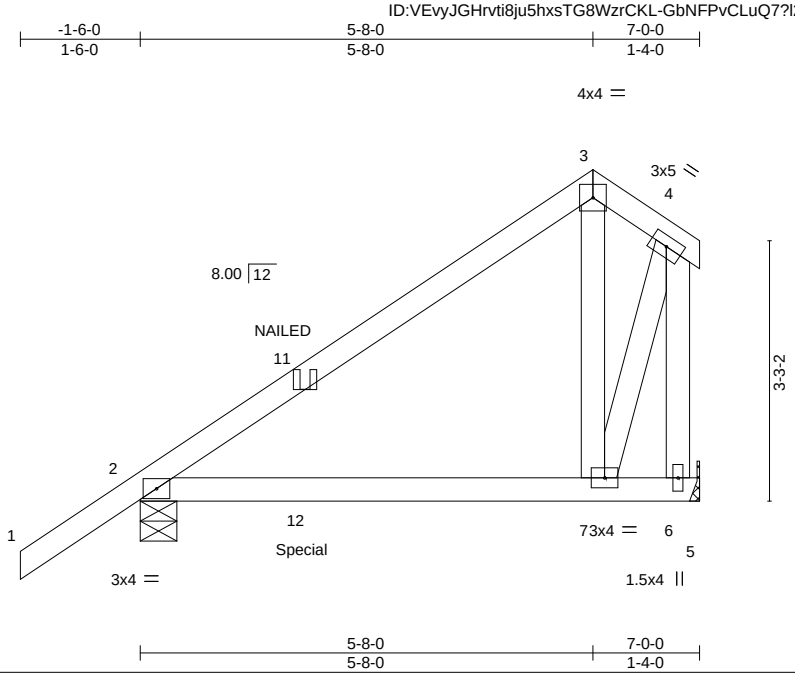


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.06	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.08	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 40 lb	FT = 20%

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

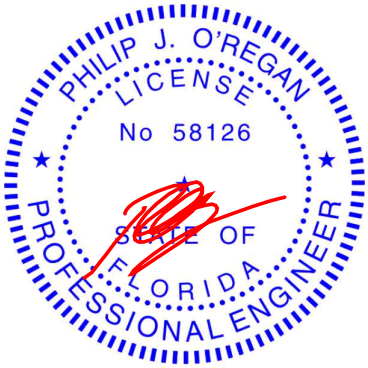
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 6=Mechanical
Max Horz 2=177(LC 7)
Max Uplift 2=-166(LC 8), 6=-54(LC 8)
Max Grav 2=387(LC 36), 6=287(LC 36)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-6=-407/102
WEBS 4-7=-101/340

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=166.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 95 lb down and 90 lb up at 2-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 12=37(F)



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	H12	Half Hip	1	1	T23220369
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:54 2021 Page 1
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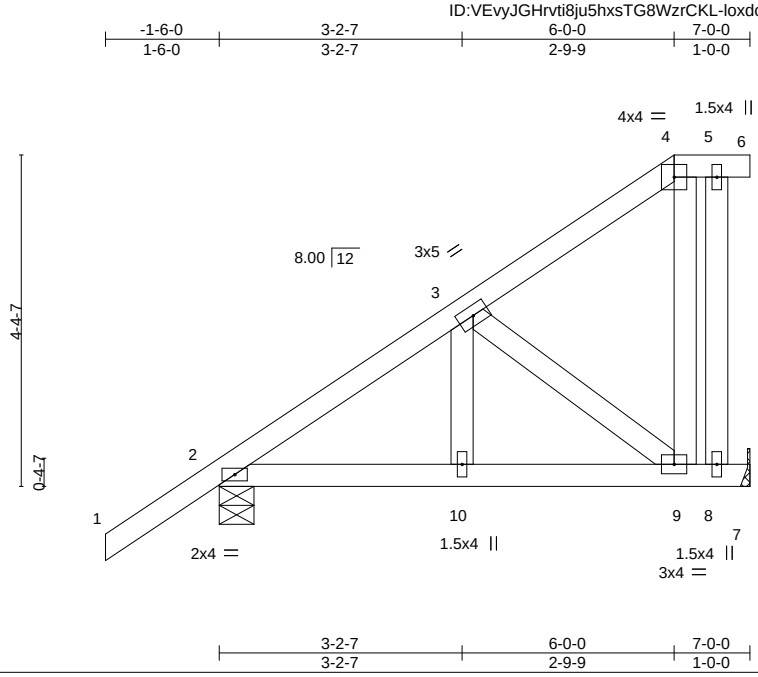


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.03	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.05	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 45 lb	FT = 20%

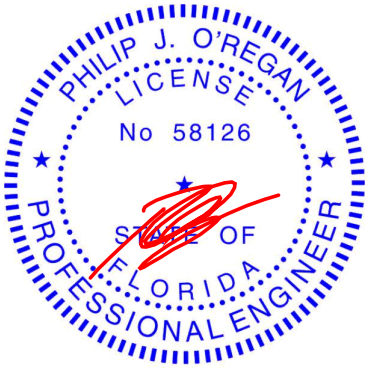
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 7=Mechanical
Max Horz 2=200(LC 11)
Max Uplift 2=-106(LC 12), 7=-78(LC 9)
Max Grav 2=377(LC 1), 7=286(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-346/31
BOT CHORD 2-10=-88/337, 9-10=-88/337
WEBS 3-9=-336/71

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=106.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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March 17,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	H13	Hip Girder	1	1	T23220370
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:55 2021 Page 1
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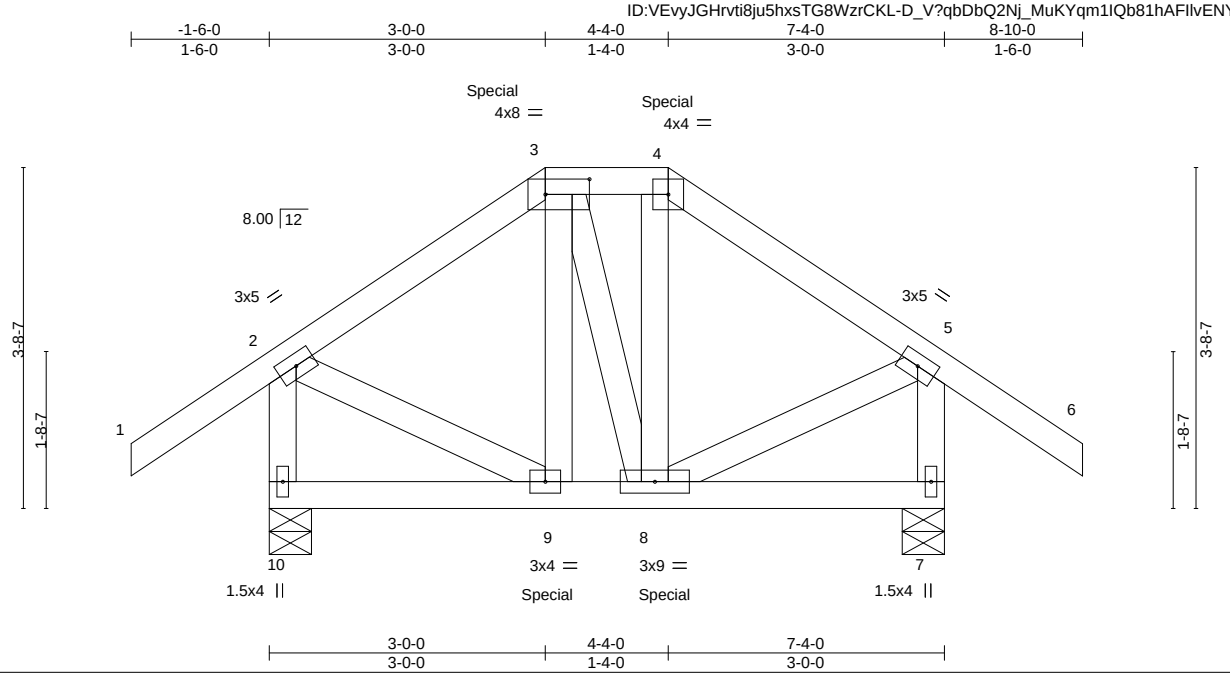


Plate Offsets (X,Y)-- [3:0-5-12,0-2-0]

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	0.20	Vert(LL)	-0.00	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 56 lb	FT = 20%

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

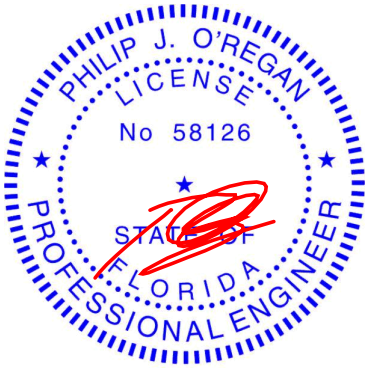
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=0-5-8, 7=0-5-8
Max Horz 10=-144(LC 6)
Max Uplift 10=-293(LC 8), 7=-293(LC 8)
Max Grav 10=461(LC 29), 7=461(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-317/262, 4-5=-317/262, 2-10=-435/307, 5-7=-435/307
BOT CHORD 8-9=-250/326
WEBS 2-9=-242/341, 5-8=-242/341

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=293, 7=293.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 158 lb down and 156 lb up at 3-0-0, and 158 lb down and 156 lb up at 4-4-0 on top chord, and 113 lb down and 134 lb up at 3-0-0, and 113 lb down and 134 lb up at 4-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 5-6=-60, 7-10=-20
Concentrated Loads (lb)
Vert: 3=-1(F) 4=-1(F) 9=-14(F) 8=-14(F)



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J1	Jack-Open	32	1	T23220371
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:57 2021 Page 1
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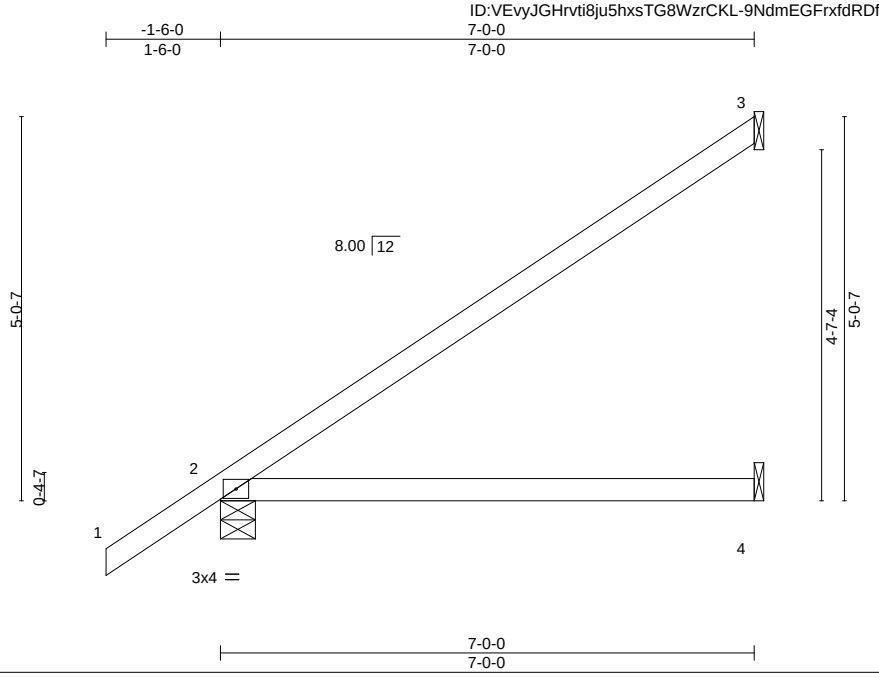


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.09	4-7	>916	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>389	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 26 lb	FT = 20%

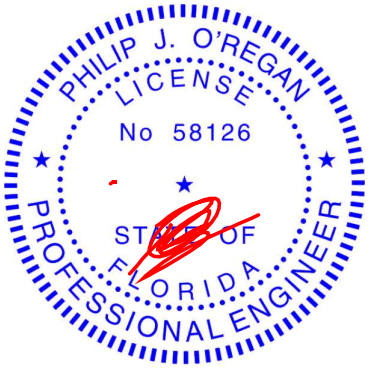
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=218(LC 12)
Max Uplift 3=-106(LC 12), 2=-57(LC 12)
Max Grav 3=204(LC 17), 2=377(LC 1), 4=125(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 3=106.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J1A	Jack-Open	6	1	T23220372
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:00 2021 Page 1
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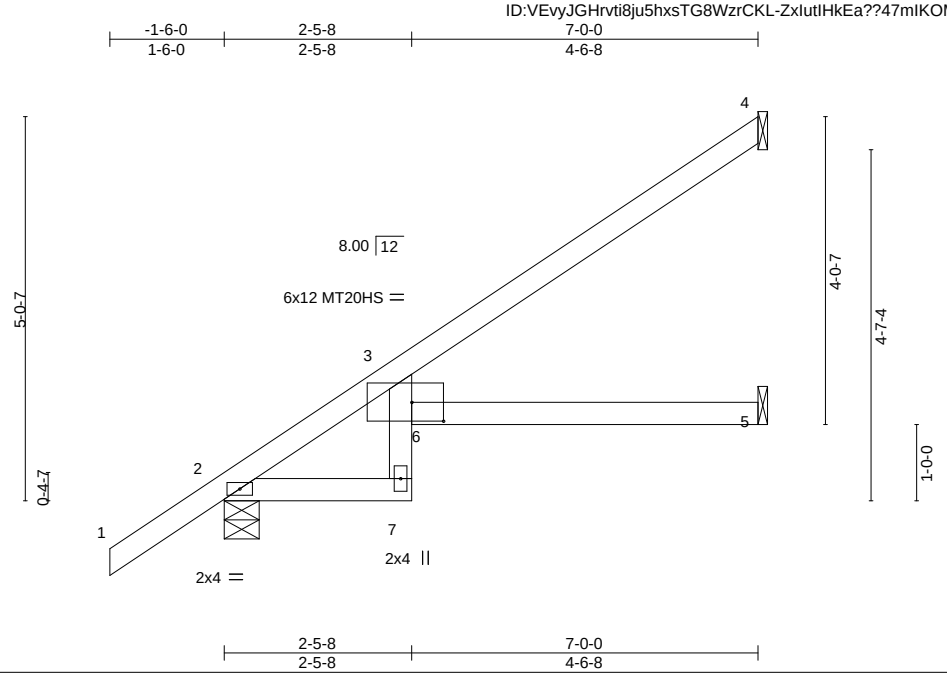


Plate Offsets (X,Y)-- [3:0-5-0,0-2-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.13	5-6	>659	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.22	5-6	>378	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.08	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 28 lb	FT = 20%

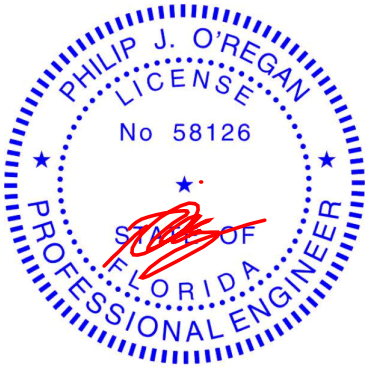
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=218(LC 12)
Max Uplift 4=-88(LC 12), 2=-57(LC 12)
Max Grav 4=184(LC 17), 2=377(LC 1), 5=122(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-349/0
BOT CHORD 2-7=-67/295

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) 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) 4, 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J1B	Jack-Open	2	1	T23220373
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:01 2021 Page 1
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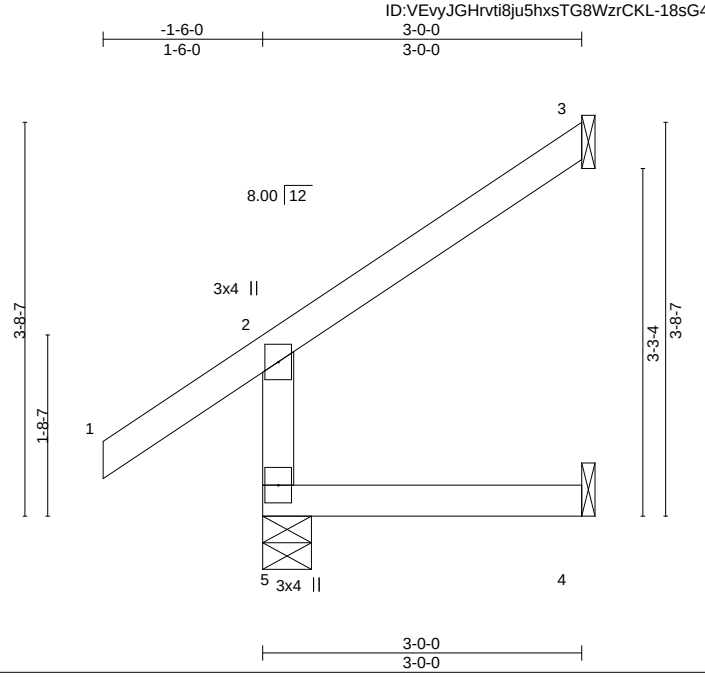


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 15 lb	FT = 20%

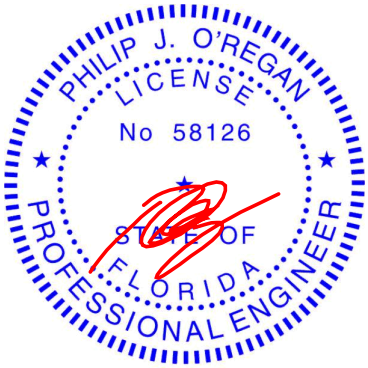
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 5=0-5-8, 3=Mechanical, 4=Mechanical
Max Horz 5=168(LC 12)
Max Uplift 5=-18(LC 12), 3=-63(LC 12), 4=-20(LC 12)
Max Grav 5=240(LC 1), 3=78(LC 17), 4=51(LC 3)

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

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



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J1C	Jack-Open	5	1	T23220374
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:02 2021 Page 1
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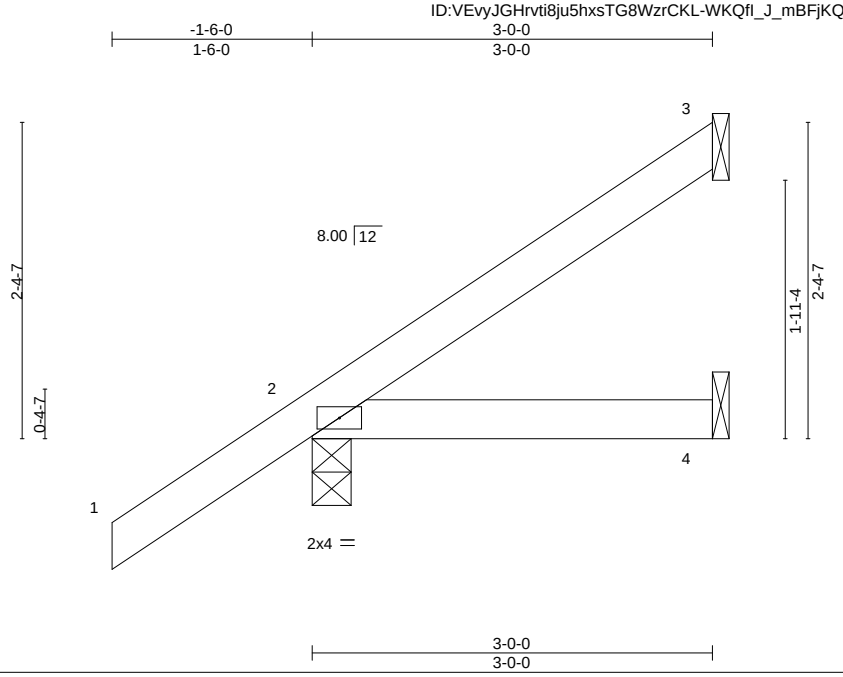


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

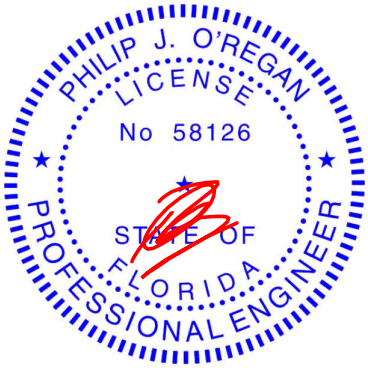
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=123(LC 12)
Max Uplift 3=-34(LC 12), 2=-80(LC 12)
Max Grav 3=74(LC 17), 2=230(LC 1), 4=51(LC 3)

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

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



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J2	Jack-Open	10	1	T23220375
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:02 2021 Page 1
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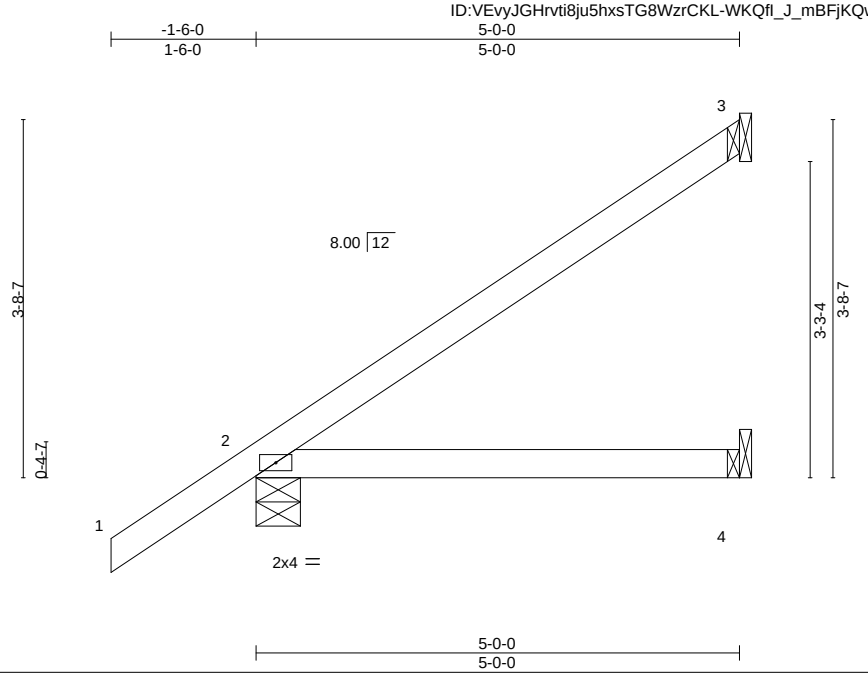


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

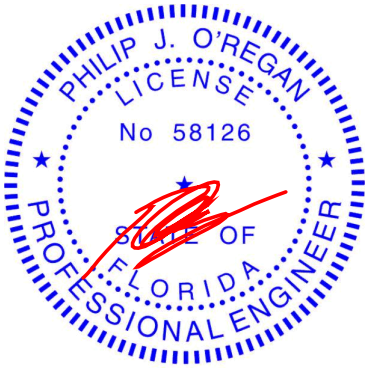
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=171(LC 12)
Max Uplift 3=-71(LC 12), 2=-66(LC 12)
Max Grav 3=139(LC 17), 2=301(LC 1), 4=89(LC 3)

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

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



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J3	Jack-Open	10	1	T23220376
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:03 2021 Page 1
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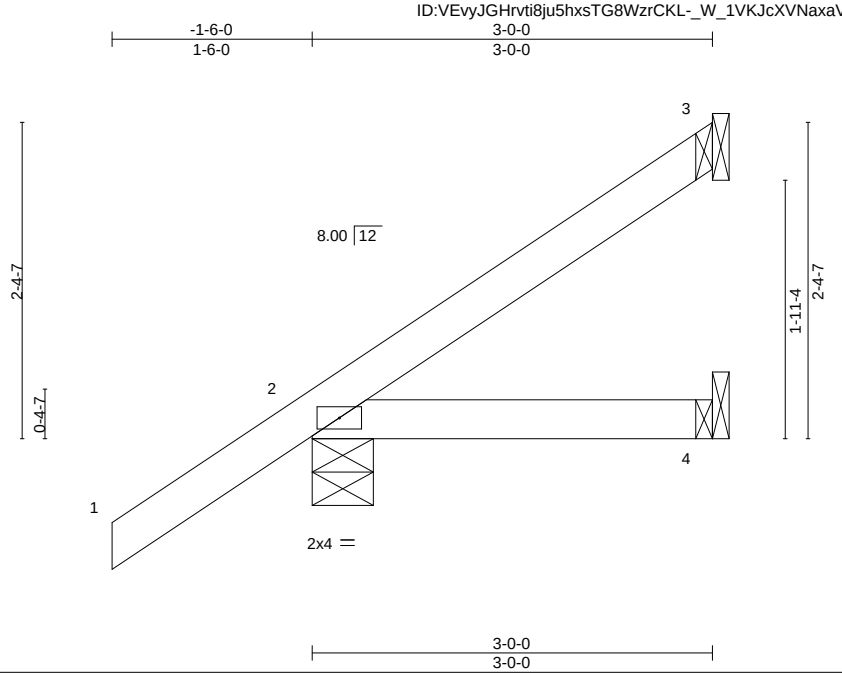


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

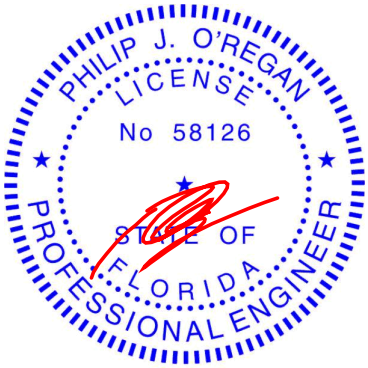
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=123(LC 12)
Max Uplift 3=-34(LC 12), 2=-80(LC 12)
Max Grav 3=74(LC 17), 2=230(LC 1), 4=51(LC 3)

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

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



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J4	Jack-Open	16	1	T23220377
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:04 2021 Page 1
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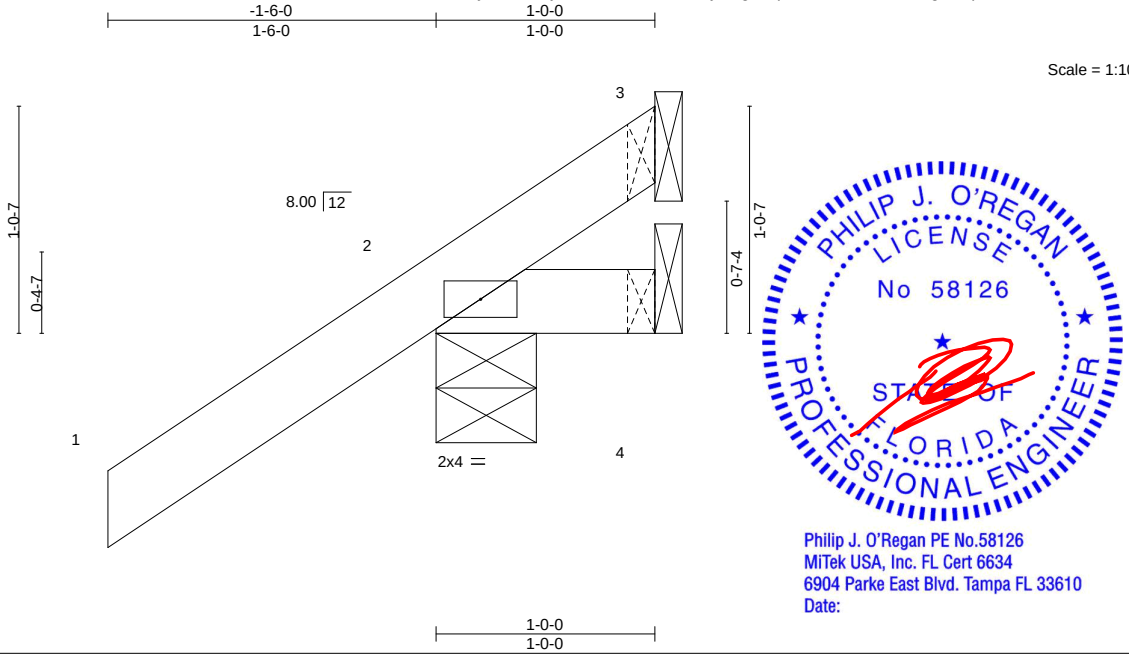

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Date:

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	0.15	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=-6(LC 1), 2=-133(LC 12), 4=-23(LC 1)
Max Grav 3=18(LC 12), 2=198(LC 1), 4=40(LC 12)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=133.

March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J08	Jack-Open	1	1	T23220378
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:56 2021 Page 1
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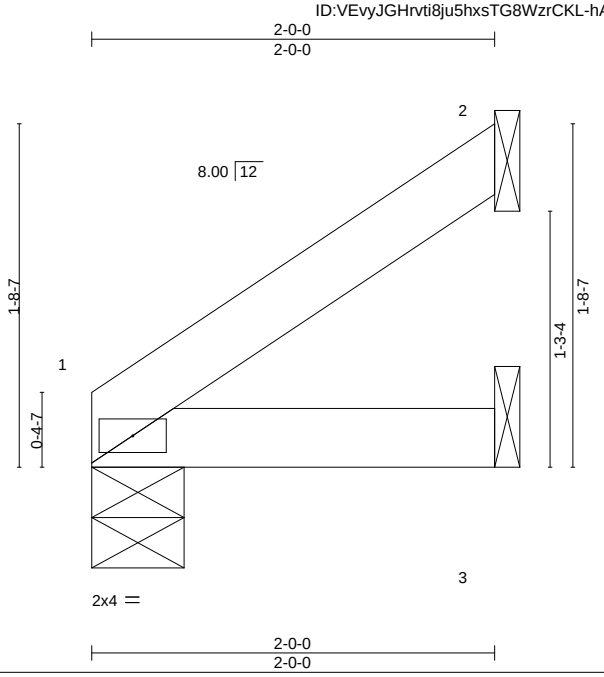


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

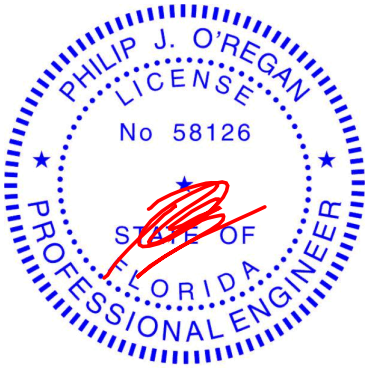
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 1=47(LC 12)
Max Uplift 2=-29(LC 12)
Max Grav 1=80(LC 1), 2=56(LC 17), 3=37(LC 3)

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

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



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J10	Jack-Open	4	1	T23220379
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:58 2021 Page 1
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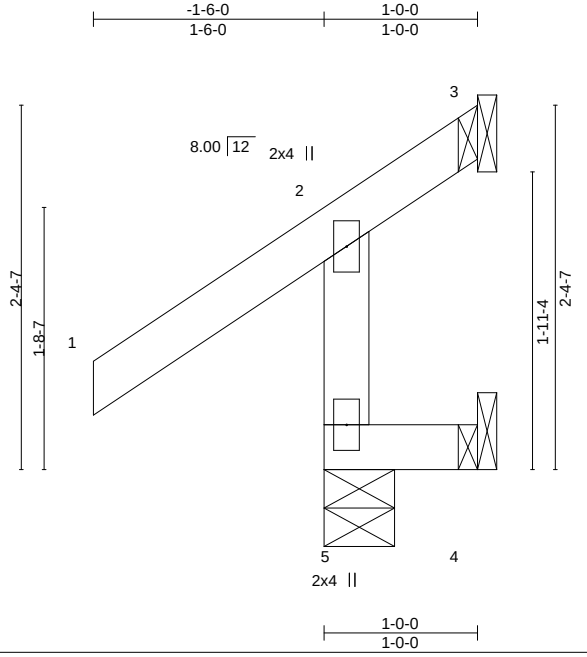


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 8 lb	FT = 20%

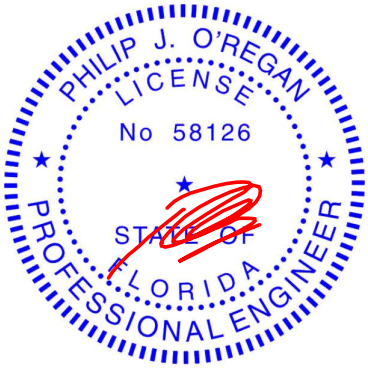
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 5=0-5-8, 3=Mechanical, 4=Mechanical
Max Horz 5=122(LC 12)
Max Uplift 5=-31(LC 8), 3=-55(LC 1), 4=-74(LC 12)
Max Grav 5=229(LC 1), 3=16(LC 8), 4=42(LC 10)

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

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



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	J11	Jack-Closed Girder	1	2	T23220380
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:17:59 2021 Page 1
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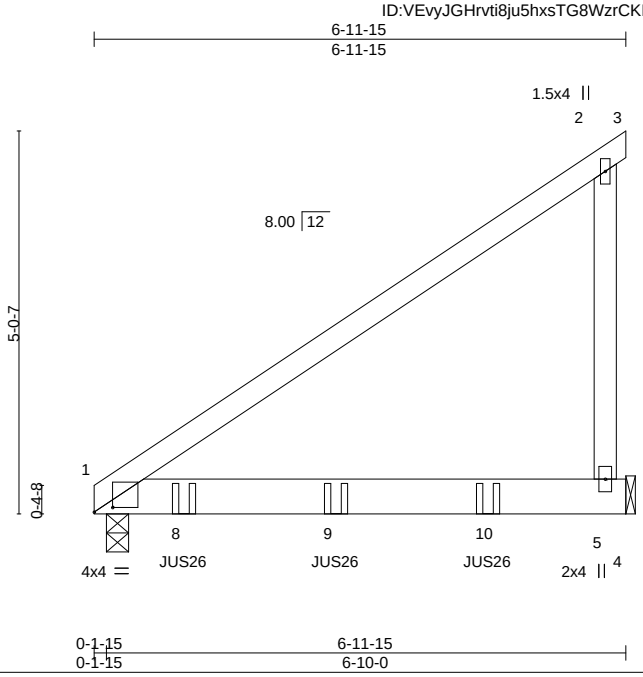


Plate Offsets (X,Y)-- [1:0-2-14,0-0-12]

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	0.46	Vert(LL)	-0.11	5-7	>756	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.20	5-7	>402	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 71 lb	FT = 20%

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

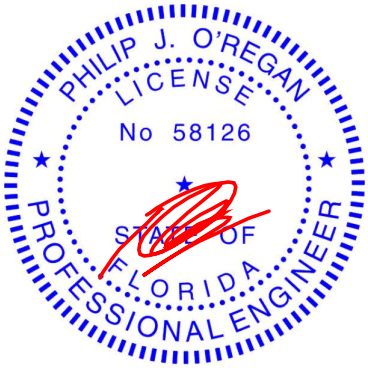
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=203(LC 5)
Max Uplift 1=-144(LC 8), 5=-183(LC 5)
Max Grav 1=1193(LC 2), 5=1133(LC 25)

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

NOTES-
1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails 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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=144, 5=183.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-3 from the left end to 5-2-3 to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-20, 1-4=-20
Concentrated Loads (lb)
Vert: 8=-558(B) 9=-558(B) 10=-558(B)



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB01	Piggyback	1	1	T23220381
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:04 2021 Page 1
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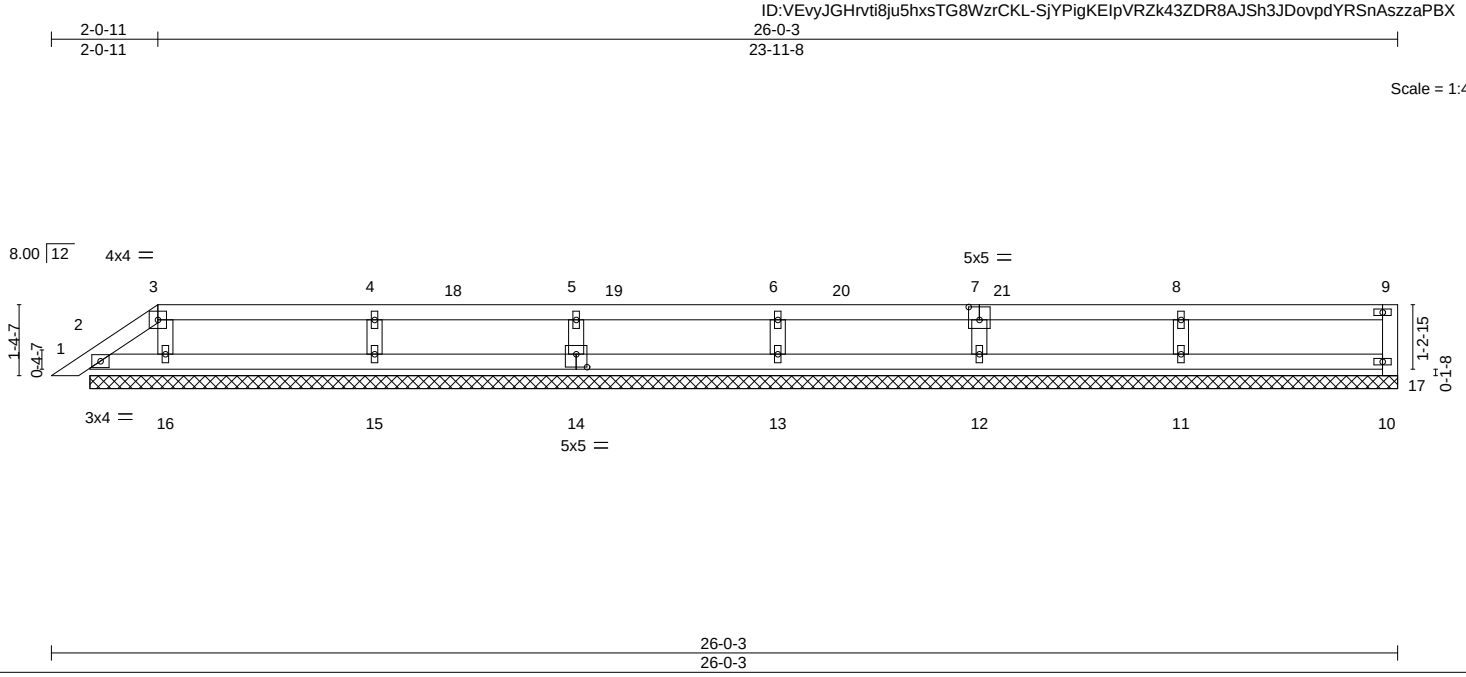


Plate Offsets (X,Y)-- [7:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 84 lb	FT = 20%

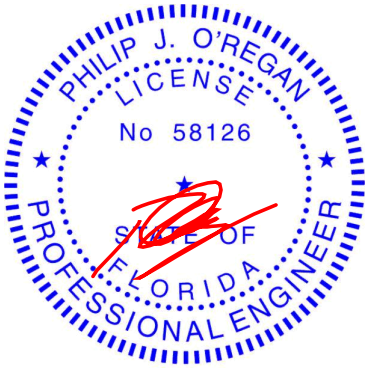
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. All bearings 25-3-4.
(lb) - Max Horz 2=56(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 15, 14, 13, 12, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 10 except 15=346(LC 1), 14=301(LC 1), 13=317(LC 1), 12=301(LC 1), 11=346(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-15=-264/111, 8-11=-259/112

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 17, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 15, 14, 13, 12, 11, 10.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB02	Piggyback	1	1	T23220382
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:05 2021 Page 1
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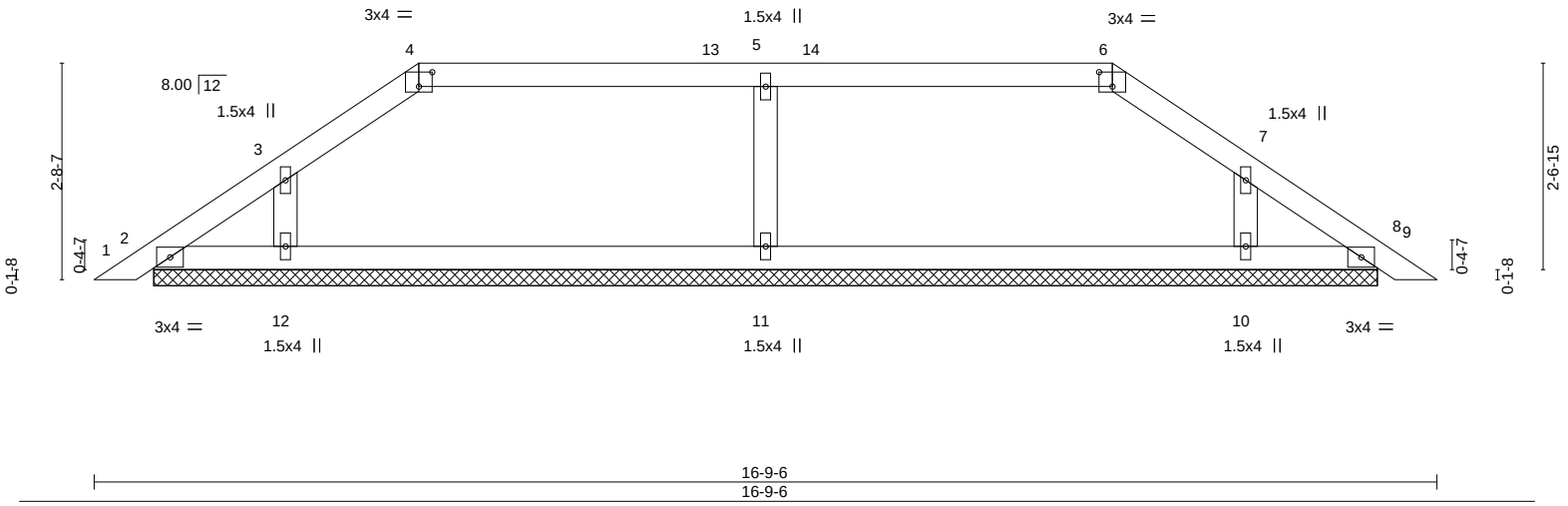
4-0-11 | 12-8-11 | 16-9-6
4-0-11 | 8-8-0 | 4-0-11

Scale = 1:28.7



16-9-6
16-9-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%

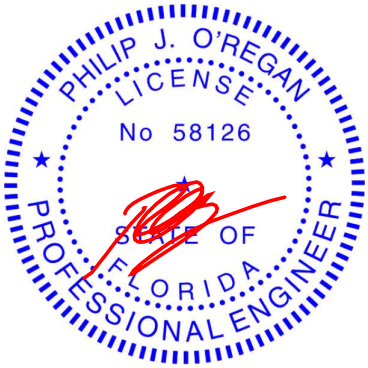
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 15-3-8.
(lb) - Max Horz 2=-70(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 10 except 11=440(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-287/80, 3-4=-294/112, 6-7=-294/112, 7-8=-287/77
WEBS 5-11=-313/122

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11, 12, 10.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:
March 17,2021

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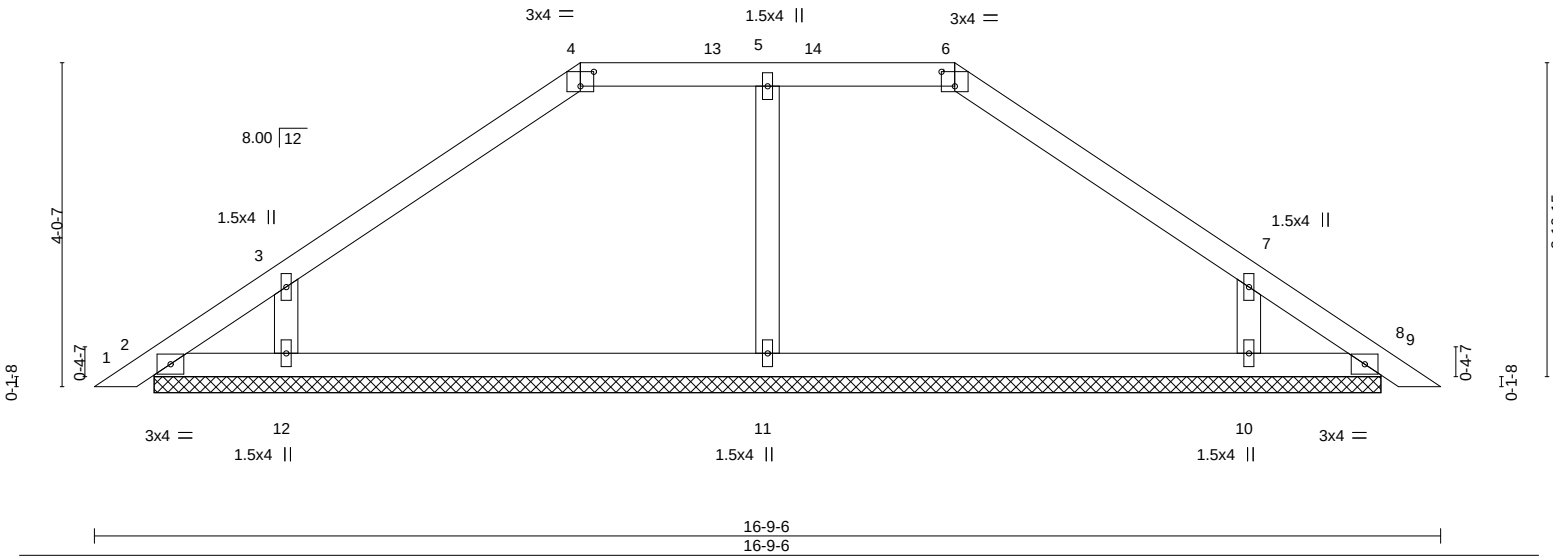
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB03	Piggyback	1	1	T23220383
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:06 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-O5g97LMVqQl9o2DSheTcFkY0?6tuNjwrumGHxszaPBV

6-0-11 | 10-8-11 | 16-9-6
6-0-11 | 4-8-0 | 6-0-11

Scale = 1:28.7



16-9-6
16-9-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 59 lb	FT = 20%

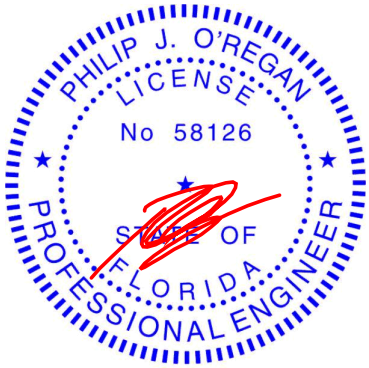
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 15-3-8.
(lb) - Max Horz 2=106(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=310(LC 3), 12=364(LC 17), 10=362(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-290/53, 3-4=-339/132, 6-7=-339/132, 7-8=-284/50
WEBS 3-12=-270/142, 7-10=-268/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 12, 10.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB04	Piggyback	1	1	T23220384
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:07 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-sIDYLhN7bkt0QCoeFM_rny49OWDn691?7Q0rTIzaPBU

8-4-11 | 14-2-11 | 28-8-11 | 31-3-6
8-4-11 | 5-10-0 | 14-6-0 | 2-6-11

Scale = 1:55.1

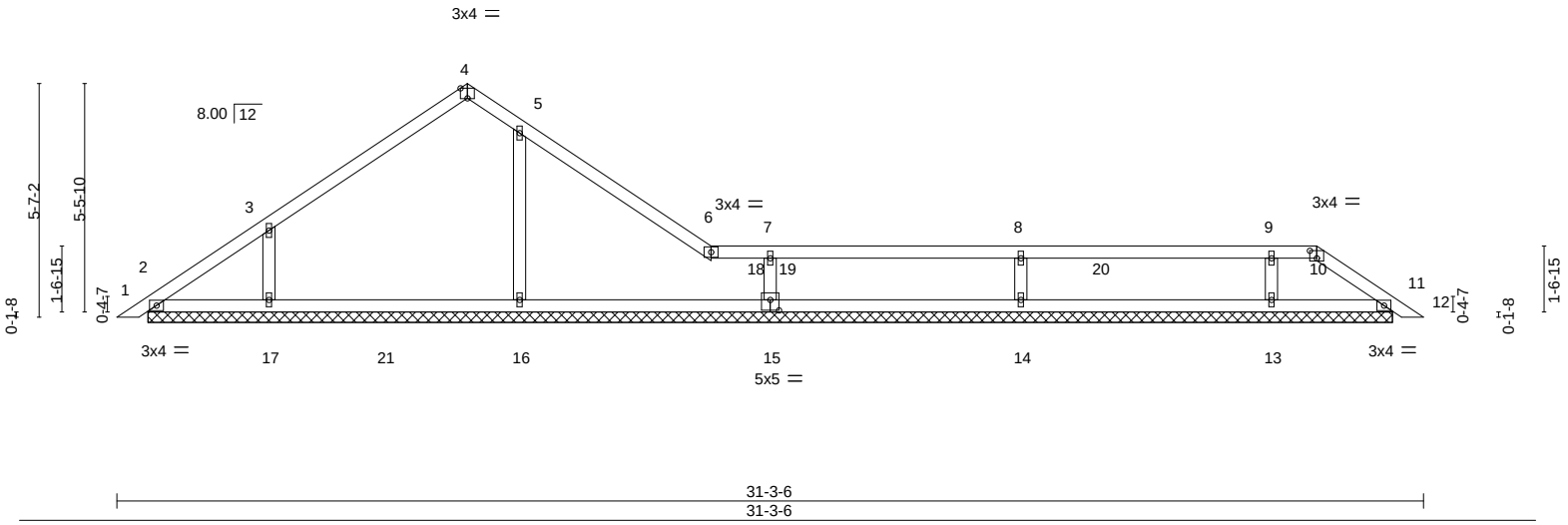


Plate Offsets (X,Y)-- [4:0-2-0,Edge], [10:0-2-0,0-2-3], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 109 lb	FT = 20%

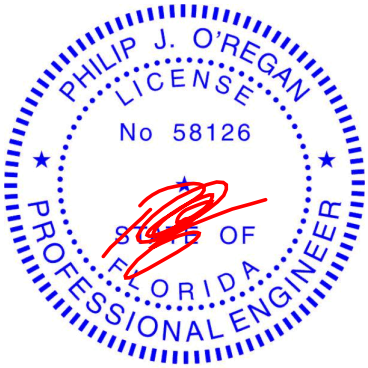
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=-151(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15, 16, 14 except 17=-120(LC 12), 13=-110(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 11 except 15=524(LC 17), 16=613(LC 18), 17=527(LC 17), 14=535(LC 17), 13=475(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-15=-371/130, 5-16=-357/155, 3-17=-330/181, 8-14=-371/153, 9-13=-321/166

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 14 except (jt=lb) 17=120, 13=110.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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March 17,2021

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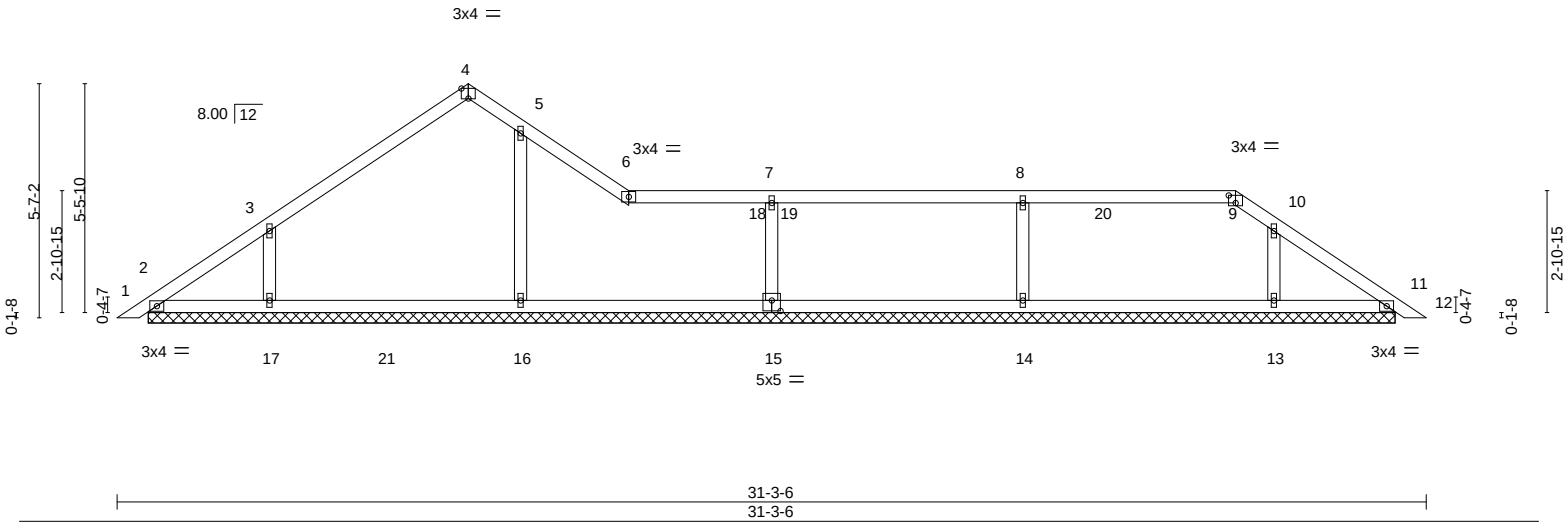
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB05	Piggyback	1	1	T23220385
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:08 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-KUnwY1NlM1?t2LNqo3V4K9dIrwZ0rcC8M4lO?kzaPBT

8-4-11 | 12-2-11 | 26-8-11 | 31-3-6
8-4-11 | 3-10-0 | 14-6-0 | 4-6-11

Scale = 1:55.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 114 lb	FT = 20%

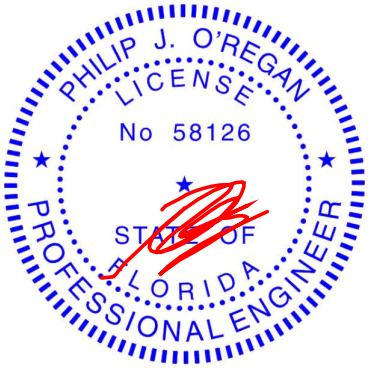
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=151(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15, 16, 14, 11 except 17=-124(LC 12), 13=-122(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 11 except 15=509(LC 17), 16=592(LC 18), 17=527(LC 17), 14=534(LC 18), 13=500(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-15=-360/140, 5-16=-369/146, 3-17=-330/185, 8-14=-376/149, 10-13=-331/184

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 14, 11 except (jt=lb) 17=124, 13=122.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:
March 17,2021

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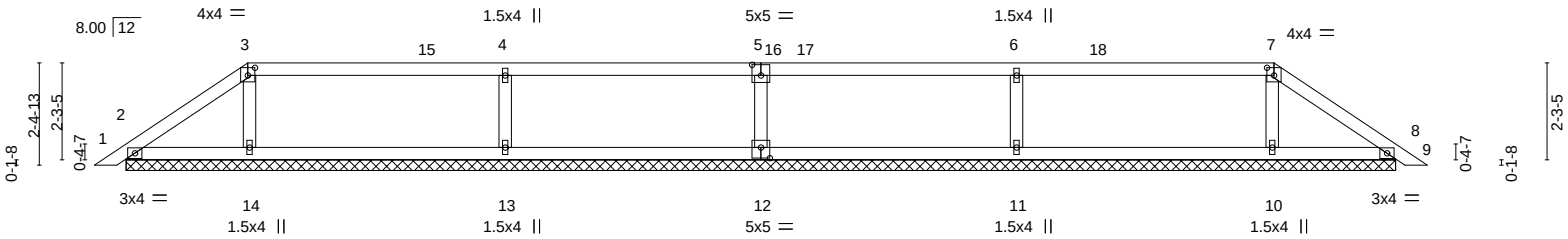
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB06	Piggyback	1	1	T23220386
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:10 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-HtvgzjP?tfGbHfXDwUYYPaif1kFEJXpRpOEV4dzaPBR

3-7-3 | 27-8-3 | 31-3-6
3-7-3 | 24-1-0 | 3-7-3

Scale = 1:54.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 106 lb	FT = 20%

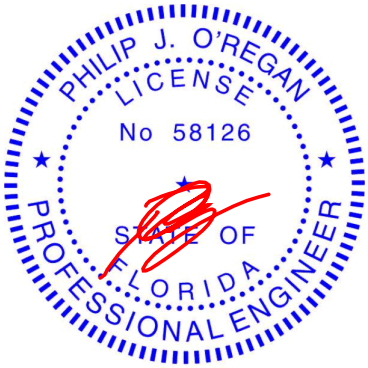
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=62(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 13, 14, 11, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 12=462(LC 1), 13=519(LC 22), 14=358(LC 21), 11=519(LC 21), 10=358(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-12=-343/134, 4-13=-395/158, 3-14=-253/91, 6-11=-395/158, 7-10=-253/91

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 13, 14, 11, 10, 8.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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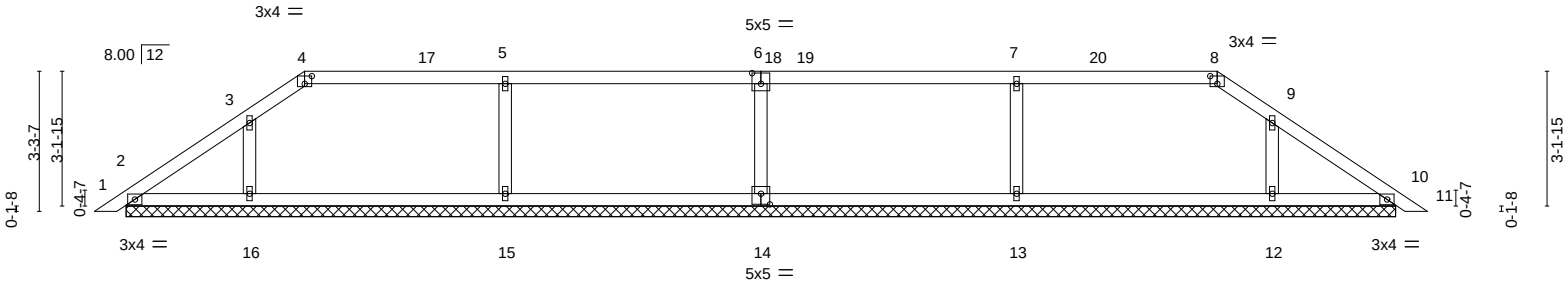
Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB07	Piggyback	1	1	T23220387
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:11 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-l3T2A3QdeyOSvp6PUB3nyoFrh7aJ2_sa22_2c3zaPBQ

4-11-3 | 26-4-3 | 31-3-6
4-11-3 | 21-5-0 | 4-11-3

Scale = 1:54.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 110 lb	FT = 20%

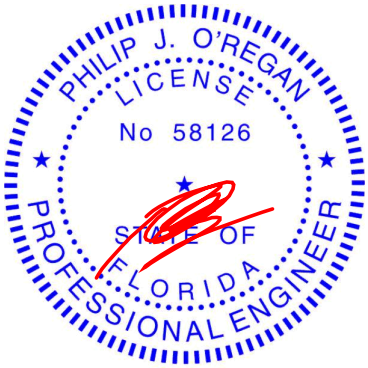
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=87(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 15, 16, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=482(LC 1), 15=476(LC 21), 16=306(LC 17), 13=476(LC 22), 12=300(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-364/143, 5-15=-352/142, 7-13=-352/143

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 15, 16, 13, 12, 10.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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March 17,2021

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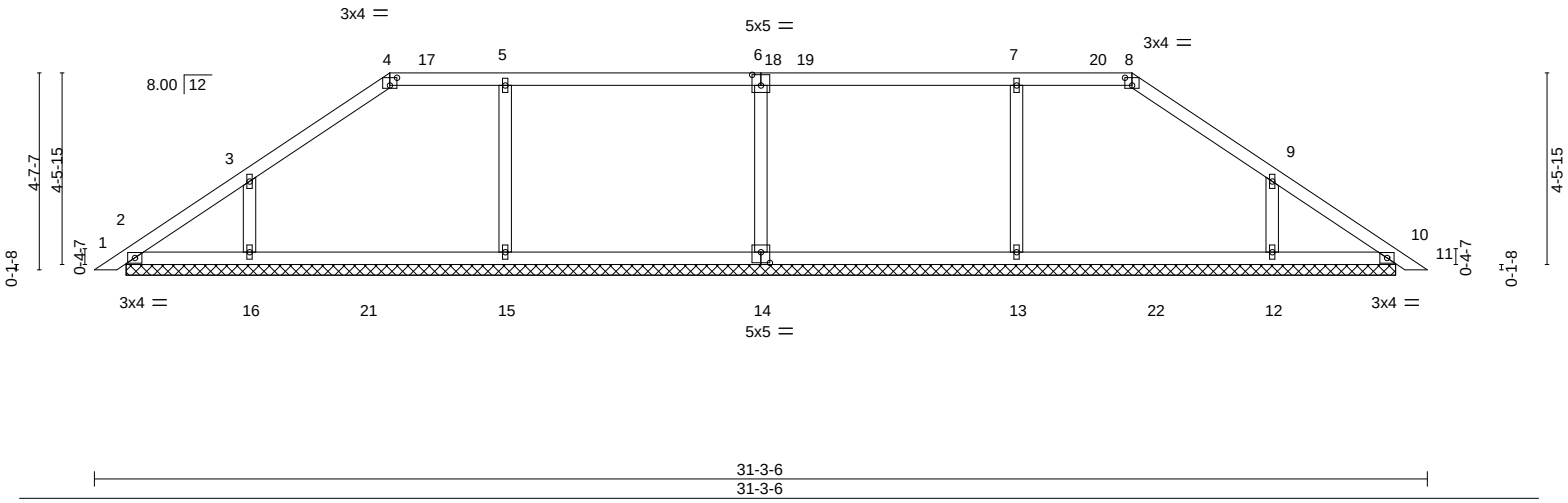
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB08	Piggyback	1	1	T23220388
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:12 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-DF1ROPQGPGWIWzhc1va0U?o0yXvsnQBkHijc8VzaPBP

6-11-3 | 24-4-3 | 31-3-6
6-11-3 | 17-5-0 | 6-11-3

Scale = 1:54.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 118 lb	FT = 20%

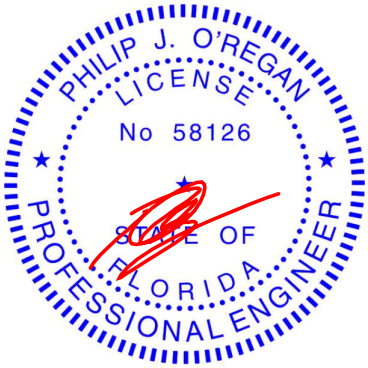
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=124(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 15, 16, 13, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=621(LC 18), 15=571(LC 17), 16=461(LC 17), 13=568(LC 18), 12=459(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-260/98, 8-9=-260/98
WEBS 6-14=-381/150, 5-15=-319/113, 3-16=-268/143, 7-13=-319/115, 9-12=-265/143

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 15, 16, 13, 12, 10.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

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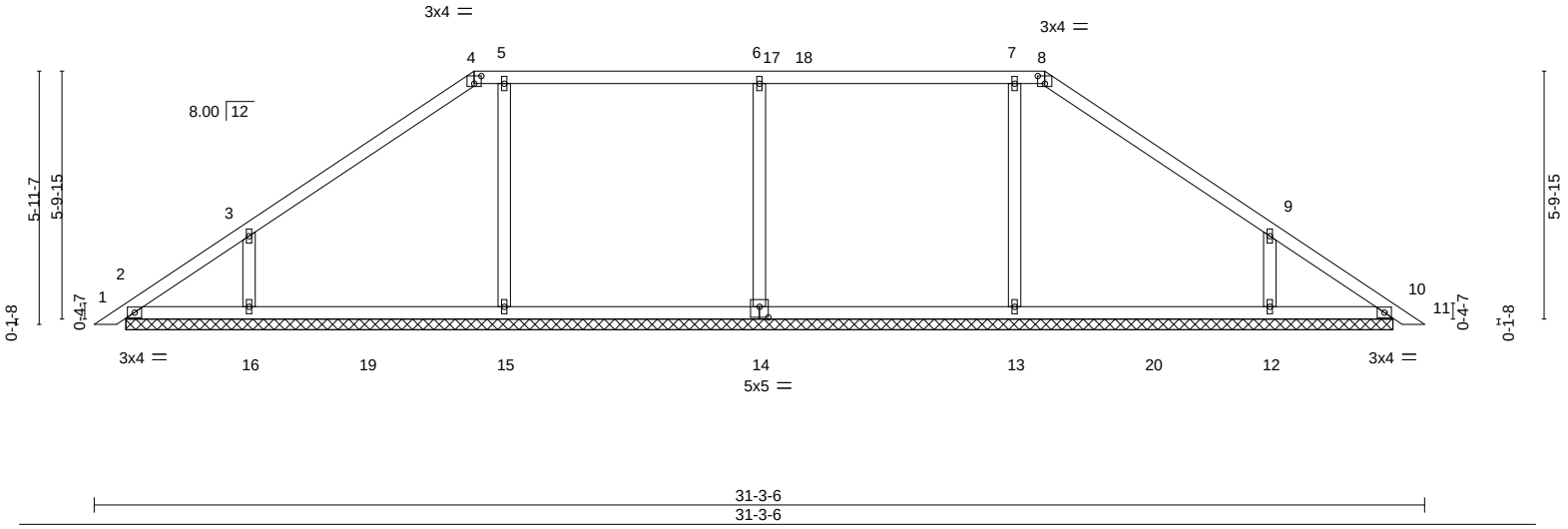
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB09	Piggyback	1	1	T23220389
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:13 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-hSbpblRuAae987Gobc5F1DKBixFCWr6tVMT9hyzaPBO

8-11-3 | 22-4-3 | 31-3-6
8-11-3 | 13-5-0 | 8-11-3

Scale = 1:54.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 125 lb	FT = 20%

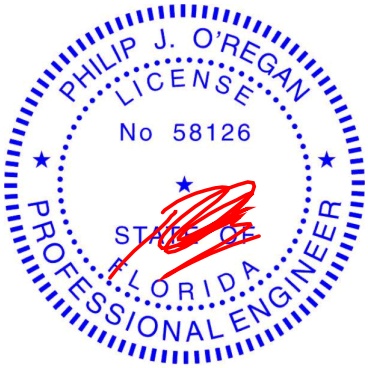
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=-162(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 15, 13, 10 except 16=-136(LC 12), 12=-136(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=614(LC 23), 15=622(LC 17), 16=535(LC 17), 13=604(LC 18), 12=533(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-380/147, 5-15=-365/90, 3-16=-348/199, 7-13=-365/90, 9-12=-345/199

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 15, 13, 10 except (jt=lb) 16=136, 12=136.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

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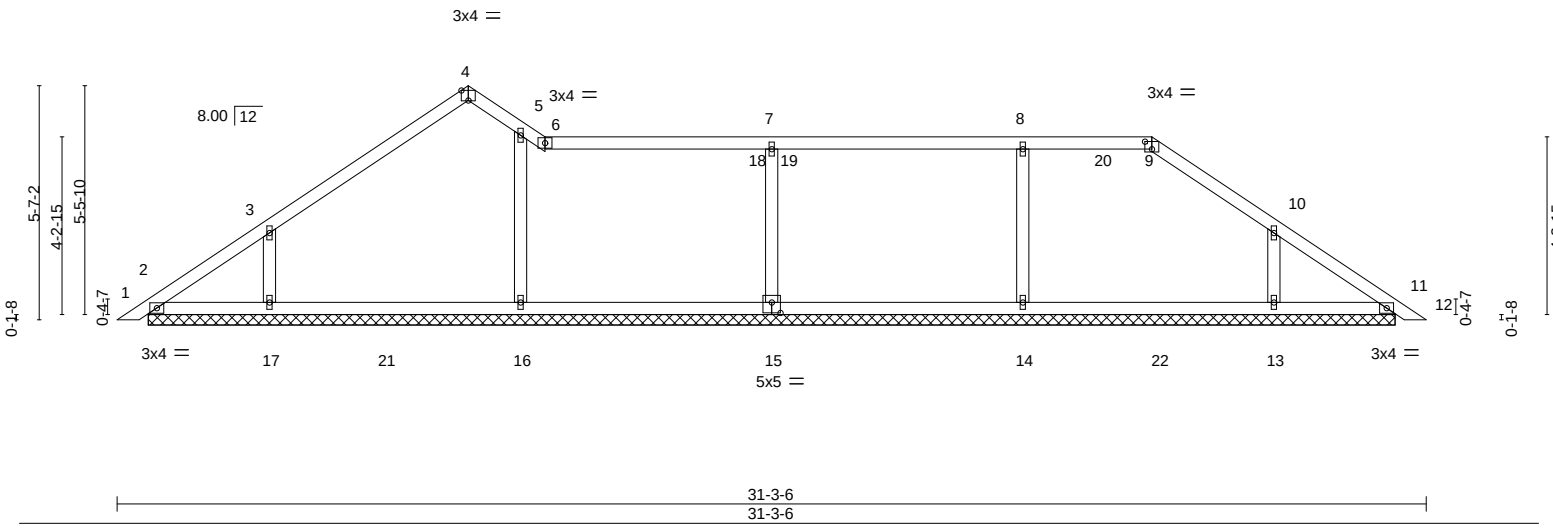
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB10	Piggyback	1	1	T23220390
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:14 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-9e9Bp4SWxtm0mGq_9KcUaQtLMLbOFKt1k0CiDOzaPBN

8-4-11 | 10-2-11 | 24-8-11 | 31-3-6
8-4-11 | 1-10-0 | 14-6-0 | 6-6-11

Scale = 1:55.1



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 118 lb	FT = 20%

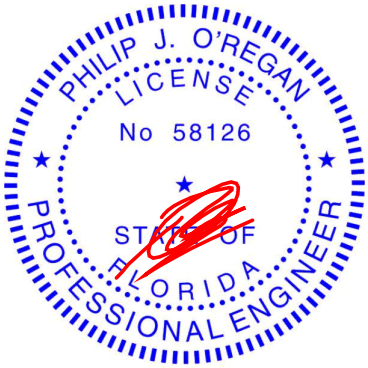
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=-151(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15, 16, 14 except 17=-112(LC 12), 13=-106(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 11 except 15=625(LC 17), 16=573(LC 17), 17=502(LC 17), 14=600(LC 18), 13=490(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 7-15=-384/152, 5-16=-311/120, 3-17=-311/173, 8-14=-354/135, 10-13=-299/167

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 14 except (jt=lb) 17=112, 13=106.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

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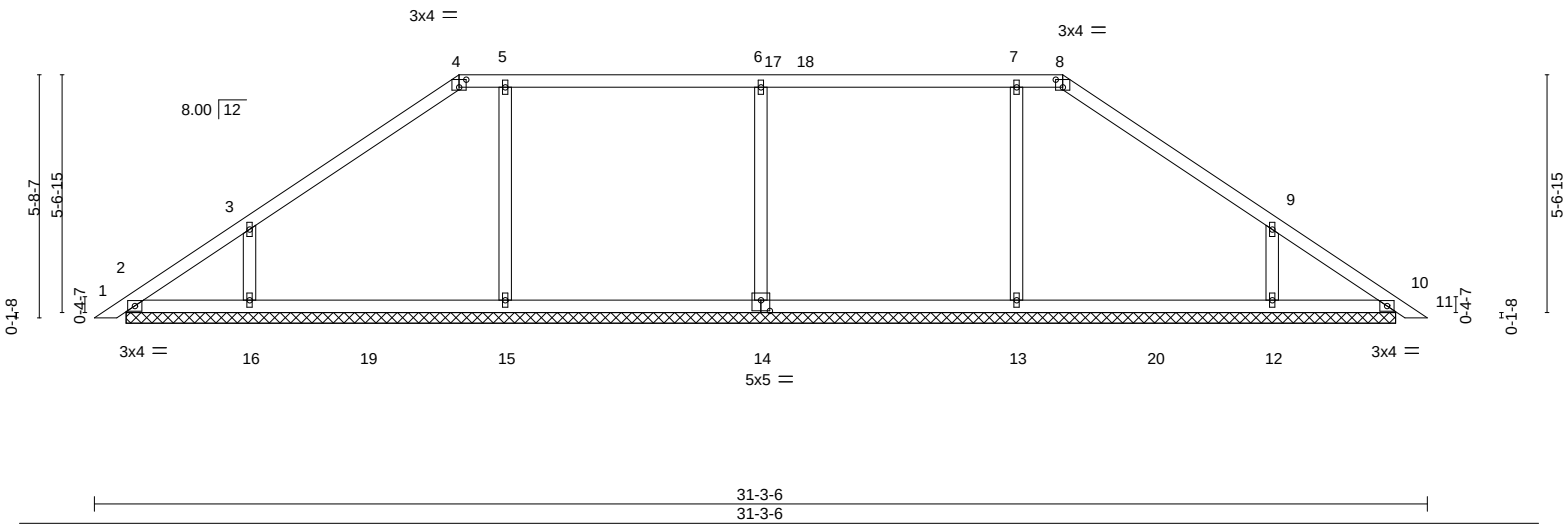
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB11	Piggyback	1	1	T23220391
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:15 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-dqiZ0QT8iButNQPAj17j6eQXGlxd_mvAzgyGlqzaPBM

8-6-11 / 8-6-11 | 22-8-11 / 14-2-0 | 31-3-6 / 8-6-11

Scale = 1:54.1



31-3-6 / 31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 123 lb	FT = 20%

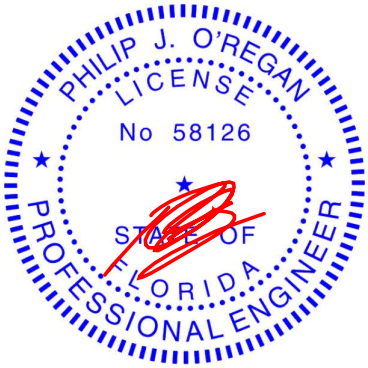
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=-155(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 15, 13, 10 except 16=-126(LC 12), 12=-126(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=616(LC 18), 15=598(LC 17), 16=522(LC 17), 13=588(LC 24), 12=520(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-378/149, 5-15=-347/94, 3-16=-333/188, 7-13=-347/94, 9-12=-331/188

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 15, 13, 10 except (jt=lb) 16=126, 12=126.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
March 17,2021

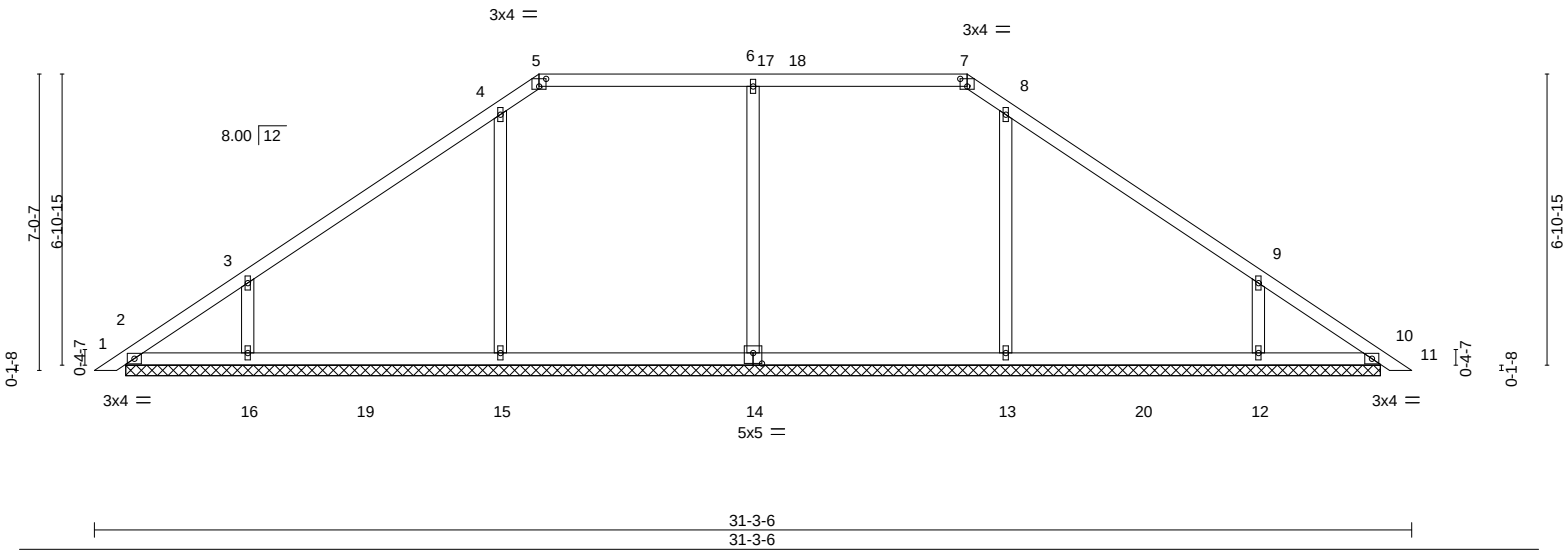
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB12	Piggyback	1	1	T23220392
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:16 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-50GxEmUmTV0k?a_NGleyfryhf8HwjBkJCJhpHHzaPBL

10-6-11 | 20-8-11 | 31-3-6
10-6-11 | 10-2-0 | 10-6-11

Scale = 1:54.7



31-3-6
31-3-6

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 129 lb	FT = 20%

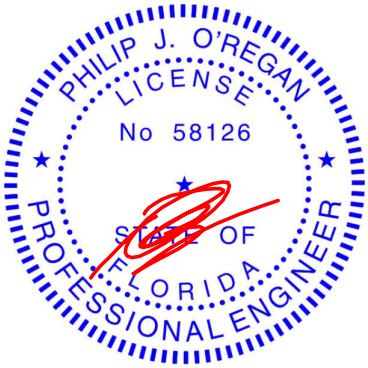
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 29-9-8.
(lb) - Max Horz 2=-192(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 10 except 15=-110(LC 12), 16=-152(LC 12), 13=-110(LC 12), 12=-152(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 14=600(LC 17), 15=664(LC 17), 16=542(LC 17), 13=650(LC 18), 12=544(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-14=-360/124, 4-15=-362/184, 3-16=-355/216, 8-13=-348/184, 9-12=-357/216

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 10 except (jt=lb) 15=110, 16=152, 13=110, 12=152.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:
March 17,2021

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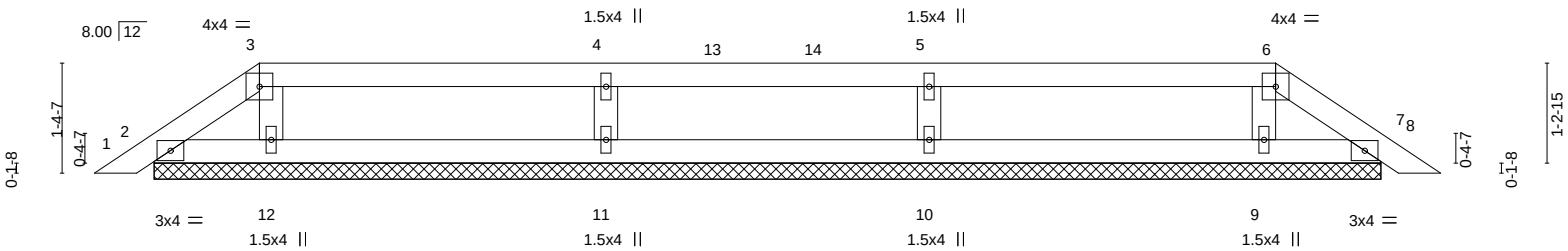
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB13	Piggyback	1	1	T23220393
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:17 2021 Page 1
ID:VEvyJGHrvti8ju5hxsTG8WzrCKL-ZDqKR6UOEo8bdkZZqSABB3VvlYg2ShrTQzRMqjzaPBK

2-0-11 | 14-8-11 | 16-9-6
2-0-11 | 12-8-0 | 2-0-11

Scale = 1:28.7



16-9-6
16-9-6

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	0.19	Vert(LL)	-0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%

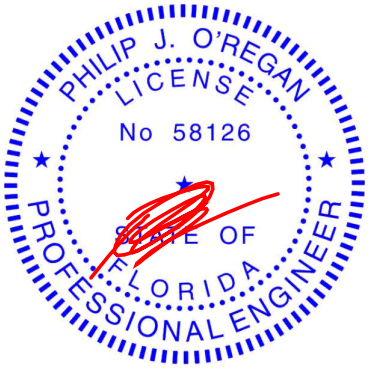
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. All bearings 15-3-8.
(lb) - Max Horz 2=-33(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 12, 9, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 12, 9 except 11=348(LC 22), 10=348(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-11=-264/114, 5-10=-264/114

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 12, 9, 11, 10.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:
March 17,2021

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	PB14	Piggyback	1	1	T23220394
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:18 2021 Page 1
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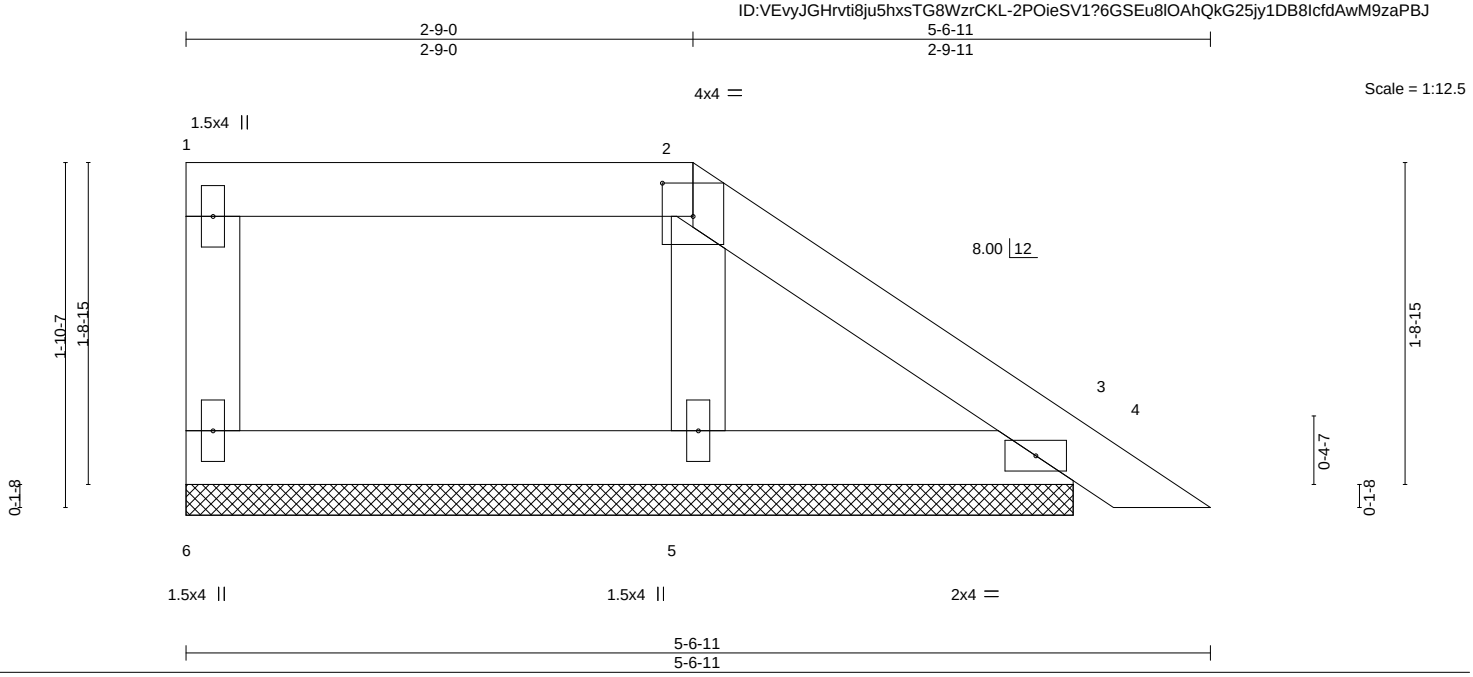

Plate Offsets (X,Y)-- [2:0-2-0,0-2-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	3	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

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 5-6-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=4-9-12, 3=4-9-12, 5=4-9-12
Max Horz 6=-70(LC 8)
Max Uplift 6=-22(LC 8), 3=-36(LC 12), 5=-37(LC 8)
Max Grav 6=99(LC 1), 3=106(LC 1), 5=198(LC 1)

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

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3, 5.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Tamela Mueller
TAMELA_MUELLER	T04	Common	1	1	T23220395
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Mar 16 09:18:19 2021 Page 1
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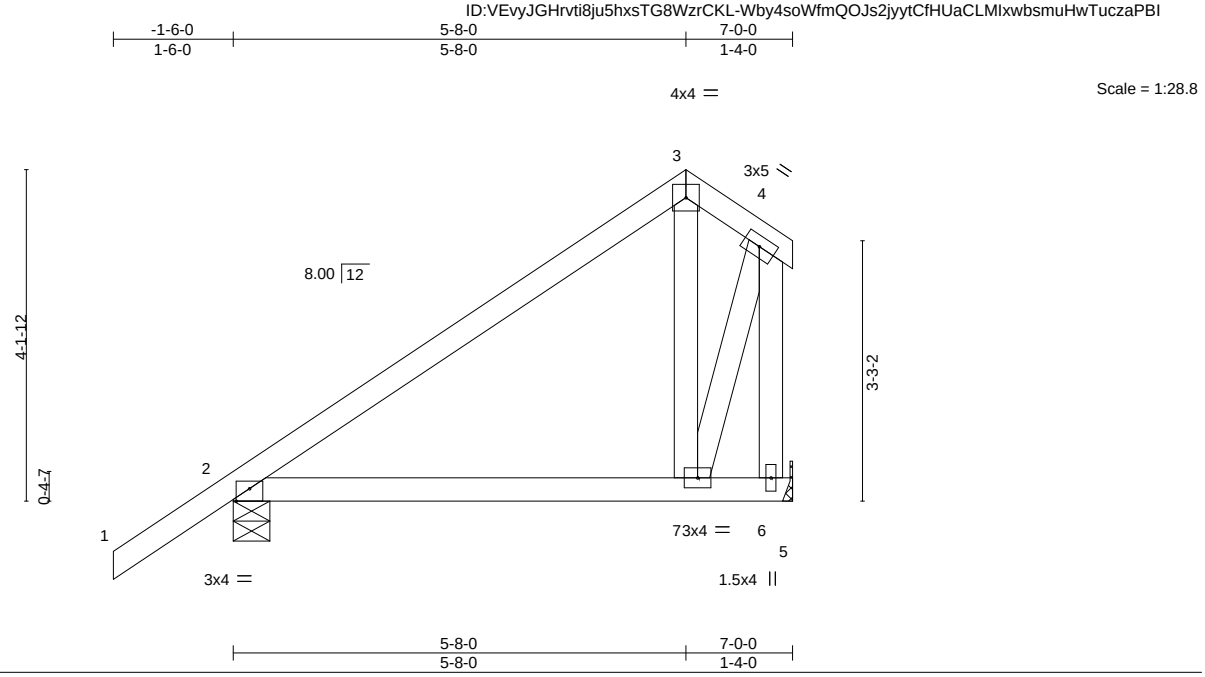


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.04	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.07	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 40 lb	FT = 20%

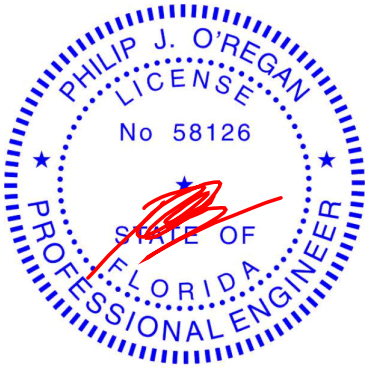
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (size) 2=0-5-8, 6=Mechanical
Max Horz 2=177(LC 11)
Max Uplift 2=-108(LC 12), 6=-29(LC 12)
Max Grav 2=369(LC 1), 6=269(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-6=-396/34
WEBS 4-7=-38/337

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=108.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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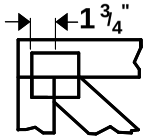
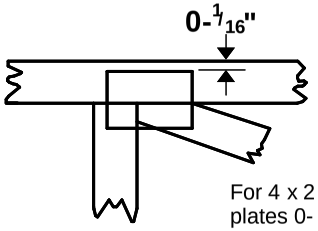
Symbols

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.

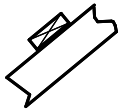
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

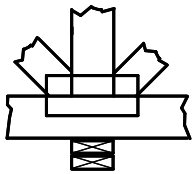
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

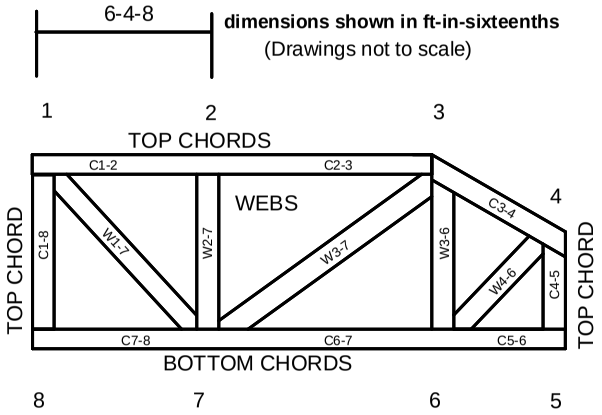


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21.The design does not take into account any dynamic or other loads other than those expressly stated.